**SAGE LIGHTING** presents innovative energy saving products for commercial, industrial and residential markets. Among others, we offer a wide range of dimming and non dimming LED Drivers including Selectable Multi Current, Multi Channel, Constant Current, Constant Voltage, IP67, Open Frame Leading & Trailing Edge Dimming including Emergency LED Drivers and Emergency Battery Backup for LED Drivers.

# Check out our latest Emergency LED Driver models:

(see spec sheets below)

# - Emergency Inverter 25W 35W or 50W AC Sine Wave with Auto Select 120VAC or 277VAC Output Voltage:

Model IEM50W128P1FT

This NEW 25W, 35W or 50W Constant Power **Inverter** models offer Auto Select 120VAC or 277VAC and is perfect for both USA and Canada to meet egress requirements that may stipulate emergency Operating times.

# - Two-hour Emergency driver with 120-347V Input Voltage:

Model CEM10W1555B64P2EM4

This NEW Ultra Slim Constant Power Multi Voltage Input (120V to 347V) model is perfect for both USA and Canada to meet egress requirements that may stipulate extended two-hour emergency Operating times.

# - IP67 Test Switch & -20C Emergency driver with 120-347V Input Voltage:

Model CCEM10W1555B72P The Cold Temp Constant Power Multi Voltage Input (120V to 347V) models are for select applications such as Damp, wet or humid areas. These are available with Optional IP67 Rated Test Switch & LED Indicator Light and/or Flexible Metal Conduit.

- Fixture manufacturers could consider Sage **Compact** Case **Cold Temp** emergency drivers with **Remote Battery option** for fully enclosed or gasketed fixtures where there is limited integral mounting space. Ideal for Compact sized fixtures.

Keep in mind that all **SAGE LIGHTING** Emergency Drivers are offered with **Factory-wired Test Switch/ Indicator, Face Plate & Battery End Connectors** for easy installation and also meet CA Title 20 requirements.

Jan 2024



**SAGE LIGHTING** presents innovative energy saving products for commercial, industrial and residential markets. Among others, we offer a wide range of dimming and non dimming LED Drivers including Selectable Multi Current, Multi Channel, Constant Current, Constant Voltage, IP67, Open Frame Leading & Trailing Edge Dimming including Emergency LED Drivers and Emergency Battery Backup for LED Drivers.

We have been manufacturing electronic ballasts for linear, compacts and single-ended lamps, including high output lamps since twenty years ago. Our electronic ballasts are available for virtually all types of fluorescent lamps with advanced features, very slim housing, multiple Volts, watts and lamps including universal voltage up to 480V for North America and low voltage for special applications.

The latest additions to our line of innovative products are the Programmable LED Drivers in various dimensions to meet the ever changing demands. These Drivers are available in Universal Voltage, 347V and 347-480V.

Keeping ahead of the competition and giving customers wide-ranging design capabilities, **SAGE LIGHTING** thrives to identify, develop and introduce advanced, cost effective designs. Out of our three manufacturing facilities, we strive to reduce manufacturing costs without compromising product quality, and we provide reliable and affordable electronic ballasts and drivers worldwide. **SAGE LIGHTING** products meet UL, CUL, CE and ROHS standards. We are recognized for our prompt service and dependable delivery. We are committed to bringing innovation to feed the appetite of the lighting industry.

**SAGE LIGHTING** has accomplished sophisticated lighting expertise with exceptional customer service. We challenge you to endorse our products and price to benefit your organization.

May 2023



Measurements			mm/inch		
BALLAST SERIES	LAMP TYPE LAMP WATTAGE	LENGTH	WIDTH	HEIGHT	MOUNTING LENGTH (ML)
C1S	CFL 13W-18W, DC 125V	165/6.49	49/1.9	33/1.29	150/5.9
C2S	CFL 26-42W, Circline	174/6.8	61/2.4	31/1.23	158/6.23
C1U	CFL 13-42W, BX 13-24W	132/5.2	62/2.45	30/1.18	122/4.8
C2U	CFL, BX 13W-55W, 2D, T8, T5	127/5.0	63/2.48	30/1.18	111.5/4.39
C2B	CFL 26 Circline 22-40W	125/4.92	64/2.51	29/1.14	114/4.49
C3U	CFL 26-70W, BX 36-55W Circline T5, T9 22W-55W	127/5.0	77/3.03	34/1.3	117/4.6
C4U	CFL 26-42W, BX 36-40W	165/6.49	73/2.87	29/1.14	150/5.9
C5U	CFL 13W-42W, 2D,T8, BX 24W-50W	164/6.5	47/1.9	29/1.14	150/5.9
C7U	CFL 2x57-70W	198/7.8	80/3.15	36/1.42	184/7.24
C11	UV 30W-75W	125/4.9	64/2.5	29/1.14	114/4.48
CN1S	CFL 13W-26W	99/3.9	52/2.05	30/1.18	91/3.58
DC	12/24V DC T8 17W-40W CFL Biax 13-40W T5 14W-35W HOT5 24W-39W Circline T5,T9 22W-40W	147/5.7	47/1.8	34/1.3	133/5.2

E1	T8 15W, 18W, 36W	280/11.02	39/1.54	28/1.1	265/10.43
E2	HOT5 24W-54W T5 21W-35W	314/12.36	34/1.34	29/1.14	300/11.81
E3	HOT5, Biax 24W-96W	325/12.8	34/1.34	29/1.14	317/12.48
E4L	HOT5, Biax 54W-55W SW	450/17.72	43/1.69	29/1.14	438/17.24
E5	HOT5, Biax 24W-39W T5 T5LO 13W-35W	290/11.4	34/1.34	27/1.06	282/11.1
E6	HOT5, Biax 2x80W-96W	325/12.8	64.6/2.52	30/1.18	317/12.5
E8	HOT5, Biax 54W-55W	420/16.5	27/1.06	29/1.14	400/15.7
E9/E9L	HOT5 54W T832W Dimming	395/15.5	38/1.50	29/1.14	387/15.2
E10	Nippo T6 17-46W	420/16.5	30.8/1.21	28/1.09	413/16.25
E11	HOT5, Biax 54W-55W	450/17.72	76/3.0	29/1.14	438/17.24
E12	T5 HOT5, Biax 14W-55W	360/14.17	32/1.26	21/0.83	350/13.80
E16	T8 70W	360/14.17	42/1.65	29/1.14	345/11.58

38/8/20

 $\hat{E}_{ighting}^{age}$  (id.

Measurements		mm/inches			
BALLAST SERIES	LAMP TYPE LAMP WATTAGE	LENGTH	WIDTH	HEIGHT	MOUNTING LENGTH (ML)
FS2	BX 3 or 4x24-40W T5 4x14W-35W CFL 3x26W-70W 4x32W	241/9.5	59/2.3	37/1.46	226/8.9
FS1	Biax 3x55/50 54W	241/9.5	78/3.07	40/1.57	226/8.9
FS10	UV T5	249/9.8	40.5/1.59	30/1.18	236/9.29

|--|

JES	T5 1,2x24-54W, 14-35W	365/14.4	30/1.18	28/1.1	355/13.97
JEV	T5 1x24-54W, 14W-35W T8 1x17-32W	310/12.2	25/0.98	20/0.79	300/11.81
JEV3	T5 3x8W	310/12.2	39/1.54	28/1.1	300/11.81

MC	T8, T8 LO 1,2x17W-40W	241/9.5	32/1.26	28/1.1	226/8.9
----	-----------------------	---------	---------	--------	---------

	CFL 13-42W				
	BX 1,2,3, 4x36-40W				
	BX 13-80W				
MS, MU	T8 1,2, 3,4x17W-40W	241/9.5	43.8/1.72	29.5/1.16	226/8.9
	T8 15-59W HO T8 44W				
	T5 14W-35W				
	HO T5 24W-80W				

27/06/21



Measurem	nents		mm/inches				
BALLAST SERIES	LAMP TYPE LAMP WATTAGE	LENGTH	WIDTH	HEIGHT	MOUNTING LENGTH (ML)		
CH1U	HID 20W, 35W	111/4.37	78/3.07	32/1.26	102/4.01		
CH4U	HID 20W, 35W	158/6.22	44/1.73	31/1.22	143/5.87		
CH5U	HID 20W, 35W	132/5.20	44/1.73	31/1.22	No Mounting Flange		
CH2U	HID 2x35W, 50-100W	138/5.43	91/3.58	32/1.26	128/5.04		
CH6U	HID 2x35W, 50-70W	122/4.80	91/3.58	32/1.26	No Mounting Flange		
CH3U	HID 150W HPS 100W	174/6.85	91/3.58	44/1.73	163/6.41		
CH7U	HID 150W HPS 100W	157/6.18	91/3.58	44/1.73	No Mounting Flange		
CH8U	HID 70W	186/7.32	46/1.81	32/1.26	No Mounting Flange		
CH9U	HID 20W, 35W	96/3.78	78/3.07	32/1.26	No Mounting Flange		
CH10U	HID 70W	206/8.11	46/1.81	32/1.26	196/7.72		
CH11U	HID 70W	102/4.02	103/4.06	32/1.26	92/3.62		
CH12U	HID 70W	84/3.31	103/4.06	32/1.26	No Mounting Flange		
CH13U	HID 70W, 100W	122/4.80	91/3.58	40/1.57	No Mounting Flange		
CH14U	HID 70W, 100W	138/5.43	91/3.58	40/1.57	128/5.04		

25/10/12

 ${ar{E}}_{ighting}$  ltd.

Measuren	nents		mm/inches		
LED DRIVER SERIES	mA WATTAGE & VOLTAGE	LENGTH	WIDTH	HEIGHT	MOUNTING LENGTH (ML)
CH1U	CC 1050mA 32W	111/4.37	78/3.07	32/1.26	102/4.01
C1U	CC 350-1400mA 50W	133/5.23	63/2.48	30/1.18	123/4.84
C1B	CC 350-1400mA 50W	116/4.56	63/2.48	30/1.18	No Mounting Flange
C2U	CC 350-1050mA 12-24W	127/5.0	63/2.48	30/1.18	111.5/4.39
C2B	Constant Voltage 25W	125/4.92	64/2.51	29/1.14	114/4.49
C2S	Constant Voltage 50W	174/6.8	61/2.4	31/1.23	158/6.23
СЗВ	Constant Voltage/Current 25-40W	135/5.3	73/2.87	30/1.18	No Mounting Flange
C3	Constant Voltage 100W	196/7.7	6.15/2.42	39/1.54	184/7.3
C4S	Multi Current 24W-50W	165/6.5	73/2.87	30/1.18	149/5.9
C6U	CC 700mA 75W	198/7.8	79/3.11	35/1.38	186/7.32
C7HL	2100-2800mA 70-75W	178/7.0	76/3.0	37/1.46	172.8/6.8
C9U	CV 12V IP67 IP68 60W	171/6.73	68/2.68	40.5/1.6	1528/6.22
C10	CC IP67 13W	130/5.12	68/2.68	40.5/1.6	117/4.6
CH2U	Multi Current 1700mA 46W	138/5.43	91/3.58	32/1.26	128/5.04
СНЗИ	Prog 98W	174/6.85	91/3.58	44/1.73	163/6.41
CH4U	CC 1150mA 23W	158/6.22	44/1.73	31/1.22	149/5.9
CH9U	CC 900mA 18W	96/3.78	78/3.07	32/1.26	No Mounting Flange
CH14U	Constant Current 100W	138/5.43	91/3.58	40/1.57	128/5.04
CN1S	Constant Current	99/3.9	52/2.05	30/1.18	91/3.58
СМ	120-347V	206/8.11	87/3.43	34.5/1.36	45/1.77
D2	CC 350-1050mA 5W-20W	107/4.21	36/1.42	29/1.14	99/3.9
D3	CC 350-1050mA 12WS 120V	136/5.35	34/1.34	25/0.98	131/5.16

24/11/19

Page Lighting ltd.

Measurer	nents		mm/inches				
LED DRIVER SERIES	MA WATTAGE & VOLTAGE	LENGTH	WIDTH	HEIGHT	MOUNTING LENGTH (ML)		
F1	Constant Voltage 150W	241/9.5	78/3.08	46/1.82	226/8.9		
FS	Constant Voltage/Current 60W-100W	241/9.5	59/2.3	41/1.6	226/8.9		
FS3	Constant Voltage/Current 72W-100W	241/9.5	61/2.4	37/1.46	226/8.9		
FS4	Constant Voltage/Current 100-150W	240/9.5	61/2.4	40.8/1.6	223.5/8.8		
FS5	Constant Voltage/Current 100-150W	241/9.5	66/2.6	40.5/1.6	226/8.9		
FS6	Constant Current 144W	241/9.5	95/3.75	41/1.6	226/8.9		
FS7	Constant Current 160W	241/9.5	95/3.75	45/1.77	226/8.9		
FS8	IP67	241/9.5	61.5/2.42	39/1.54	226/8.9		
FS9	Constant Current >150W	241/9.5	68/2.68	40.5/1.6	226/8.9		
MC1	Constant Current 24W	241/9.5	32/1.26	29.5/1.16	226/8.9		
MU2	LED Driver	241/9.5	43/1.7	29.5/1.2	226/8.9		
L1	Constant Current	261/10.28	61/2.4	37/1.46	246/9.69		
L6U	Constant Current	297/11.7	60/2.36	48/1.89	282/11.1		
P1	TRIAC DIM CC 350- 500mA	98/3.86	37/1.46	27/1.06	94/3.7		
P2	TRIAC DIM CC 700mA	110/4.33	45/1.77	28/1.1	104/4.1		

7/11/23

 $E_{ighting}^{age}$  (1d.

Measurements		mm/inches			
LED DRIVER SERIES	MA WATTAGE & VOLTAGE	LENGTH	WIDTH	HEIGHT	MOUNTING LENGTH (ML)
E3/E3L	Constant Current	325/12.8	34/1.34	29/1.14	317/12.48
E4L	Constant Current	450/17.72	43/1.7	29/1.14	438/17.24
E10/E10L	Constant Current	420/16.5	30.5/1.2	30/1.18	413/16.25
E13	Constant Current	314/12.36	34/1.34	27.5/1.08	301/11.85
E14	Constant Current	395/15.55	38/1.49	27.5/1.08	387/15.2
E15 Leads	Constant Current 40W	325/12.8	34/1.34	27/1.06	317/12.48
E17	Constant Current 40W	314/12.36	33/1.3	27/1.06	300/11.81
E18	Constant Current 54W	303/11.90	30/1.18	22/0.87	293/11.50

# **LED Emergency Battery Pack Housing Dimensions**

Measurements			mm/inches		
LED DRIVER SERIES	mA WATTAGE & VOLTAGE	LENGTH	WIDTH	HEIGHT	MOUNTING LENGTH (ML)
B1	Emergency LED Driver	85/3.35	62/2.4	30/1.18	96.5/3.08
B2	Emergency LED Driver	103.5/4.07	72/2.8	35/1.8	78/3.07
C1U	Emergency LED Driver	133/5.23	63/2.48	30/1.18	123/4.84
FS3	Emergency LED Driver	241/9.5	61/2.4	37/1.46	226/8.9
MUL	Emergency LED Driver	241/9.5	43/1.7	30/1.2	226/8.9
E10L	Emergency LED Driver	420/16.5	30.5/1.2	30/1.18	413/16.25
E14L	Emergency LED Driver	395/15.55	38/1.49	29/1.14	387/15.23
EM	Emergency LED Driver	338/13.3	62/2.44	38/1.49	325/12.79
EM1	Emergency LED Driver	304/11.97	43/1.7	29/1.14	289/11.38
EM2	Emergency LED Driver	314/12.36	57/2.24	52/2.05	305/11.38
EM3	Emergency LED Driver	390/15.35	57/2.24	33/1.3	382/15.04
EM4	Emergency LED Driver	421.6/16.60	30/1.18	25.4/1.0	414/16.30
EM5	Emergency LED Driver	525.6/20.67	57/2.24	52.4/2.05	515/20.28

**E**ighting ltd.

9/12/23

# PROGRAMMABLE LED DRIVERS INDEX

# Fixed Current - Programmable 0 - 10V Dimming 1-100% Feb-24 R21

Fixed C	urrent - F	rogram	mable		iming 1-100%	Feb-24		KZ I					
INPUT	OUTPUT	OUTPUT	OUTPUT		SAGE	CASE	CASE					IZE mr	-
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
100 to 277	15 to 55V	Single	40	400 to 1400	PJ1400C40WSD	E10	16.50	1.20	1.18	420	30.5	30	417
100 to 277	15 to 55V	Single	50	400 to 1400	PJ1400C50WSD	E10	16.50	1.20	1.18	420	30.5	30	417
100 to 277	27 to 55V	Single	60	700 to 1400	PJ1400C60WSD	E10	16.50	1.20	1.18	420	30.5	30	417
100 to 277	15 to 55V	Single	40	400 to 1400	PJ1400C40WSDL	E10L	16.50	1.20	1.18	420	30.5	30	417
100 to 277	15 to 55V	Single	50	400 to 1400	PJ1400C50WSDL	E10L	16.50	1.20	1.18	420	30.5	30	417
100 to 277	27 to 55V	Single	60	700 to 1400	PJ1400C60WSDL	E10L	16.50	1.20	1.18	420	30.5	30	417
347	15 to 55V	Single	15	100 to 700	PC700C15WSBD1	C1B	4.56	2.48	1.18	116	63	30	
347	15 to 55V	Single	15	100 to 700	PC700C15WSD1	C1U	5.23	2.48	1.18	133	63	30	123
347	15 to 55V	Single	30	350 to 1250	PC1250C30WSB-D1	C1B	4.56	2.48	1.18	116	63	30	
347	15 to 55V	Single	30	350 to 1250	PC1250C30WS-D1	C1U	5.23	2.48	1.18	133	63	30	123
347	15 to 55V	Single	30	350 to 1250	PC1250C30WSD1-E13	E13	12.36	1.34	1.08	314	34	27.5	301
347	15 to 55V	Single	40	400 to 1400	PC1400C40WSD1-E13	E13	12.36	1.34	1.08	314	34	27.5	301
347	15 to 55V	Single	50	400 to 1400	PC1400C50WSD1-E13	E13	12.36	1.34	1.08	314	34	27.5	301
347	15 to 55V	Single	50	400 to 1400	PC1400C50WSB-D1	C1B	4.56	2.48	1.18	116	63	30	
347	15 to 55V	Single	50	400 to 1400	PC1400C50WS-D1	C1U	5.23	2.48	1.18	133	63	30	123
347	15 to 55V	Single	50	400 to 1400	PC1400C50WD1F	C1U	5.23	2.48	1.18	133	63	30	123
347	27 to 55V	Single	60	700 to 1400	PC1400C60WS-D1	E13	12.36	1.34	1.08	314	34	27.5	301
347	27 to 55V	Single	60	700 to 1400	PC1400C60WRSD1	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	15 to 55V	Single	15	100 to 700	PU700C15WSBD1	C1B	4.56	2.48	1.18	116	63	30	
120 to 277	15 to 55V	Single	15	100 to 700	PU700C15WSD1	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	15 to 55V	Single	30	350 to 1250	PU1250C30WSB-D1	C1B	4.56	2.48	1.18	116	63	30	
120 to 277	15 to 55V	Single	30	350 to 1250	PU1250C30WS-D1	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	15 to 55V	Single	30	350 to 1250	PU1250C30WSD1-E3L	E3L	12.80	1.34	1.14	325	34	29	317
120 to 277	15 to 55V	Single	30	350 to 1250	PU1250C30WSD1-E13	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	15 to 55V	Single	40	400 to 1400	PU1400C40WSD1-E13	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	15 to 55V	Single	50	400 to 1400	PU1400C50WSD1-E13	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	15 to 55V	Single	50	400 to 1400	PU1400C50WSB-D1	C1B	4.56	2.48	1.18	116	63	30	
120 to 277	15 to 55V	Single	50	400 to 1400	PU1400C50WS-D1	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	15 to 55V	Single	50	400 to 1400	PU1400C50WD1F	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	15 to 55V	Single	50	400 to 1400	PU1400C50WSDEOS-E3	E3L	12.80	1.34	1.14	325	34	29	317
120 to 277	27 to 55V	Single	60	700 to 1400	PU1400C60WRSD1	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	27 to 55V	Single	60	700 to 1400	PU1400C60WS-D1	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	27 to 47V	Single	98	700 to 2100	PU2100C98WRD	FS3	9.50	2.40	1.46	241	61	37	226

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

www.sagedrivers.com www.sagelighting.com

 ${ar{P}}_{\!\!\!\!\!ighting\,ltd.}^{age}$ 

# PROGRAMMABLE LED DRIVERS INDEX

#### Fixed Current - Programmable 0 - 10V Dimming 5-100%

Fixed Cu	rrent - <mark>Prog</mark>	rammable	e 0 - 10V	Dimming 5-1	00%	Sep-23		R10					
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	27 to 55V	Single	80	1050 to 2100	PC2100C80WS-D5	E14	15.50	1.49	1.08	395	38	27.50	387
347	27 to 55V	Single	80	1050 to 2100	PC2100C80WRBD5	FS3	9.50	2.40	1.46	241	61	37	226
347	27 to 55V	Single	80	1050 to 2100	PC2100C80WRSD5	FS3	9.50	2.40	1.46	241	61	37	226
347	27 to 55V	Single	98	1400 to 2750	PC2750C98WRBD5	FS3	9.50	2.40	1.46	241	61	37	226
347	27 to 55V	Single	98	1400 to 2750	PC2750C98WS-D5	E14	15.50	1.49	1.08	395	38	27.50	387
120 to 277	27 to 55V	Single	80	1050 to 2100	PU2100C80WRBD5	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	27 to 55V	Single	80	1050 to 2100	PU2100C80WRSD5	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	27 to 55V	Single	80	1050 to 2100	PU2100C80WS-D5	E14	15.50	1.49	1.08	395	38	27.50	387
120 to 277	27 to 55V	Single	98	1400 to 2750	PU2750C98WSDC3	CH3U	6.85	3.58	1.73	174	91	44	166
120 to 277	27 to 55V	Single	98	1400 to 2750	PU2750C98WRD5	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	27 to 55V	Single	98	1400 to 2750	PU2750C98WRBD5	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	27 to 55V	Single	98	1400 to 2750	PU2750C98WS-D5	E14	15.50	1.49	1.08	395	38	27.50	387

# Fixed Current - Programmable 0 - 10V Dimming 10-100%

R21

Jul-22

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	15 to 55V	Single	15	100 to 700	PC700C15WSBDIM	C1B	4.56	2.48	1.18	116	63	30	
347	15 to 55V	Single	30	350 to 1250	PC1250C30WSBDIM	C1B	4.56	2.48	1.18	116	63	30	
347	15 to 55V	Single	30	350 to 1250	PC1250C30WSDIM	C1U	5.23	2.48	1.18	133	63	30	123
347	15 to 55V	Single	50	400 to 1400	PC1400C50WSDIM	C1U	5.23	2.48	1.18	133	63	30	123
347	27 to 55V	Single	60	700 to 1400	PC1400C60WSDIM	E13	12.36	1.34	1.08	314	34	27.5	301
347	27 to 55V	Single	80	1050 to 2100	PC2100C80WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387
347	27 to 55V	Single	98	1400 to 2750	PC2750C98WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387
120 to 277	15 to 55V	Single	15	100 to 700	PU700C15WSBDIM	C1B	4.56	2.48	1.18	116	63	30	
120 to 277	15 to 55V	Single	30	350 to 1250	PU1250C30WSDIM	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	15 to 55V	Single	30	350 to 1250	PU1250C30WSDIM-E13	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	15 to 55V	Single	40	400 to 1400	PU1400C40WSDIM-E13	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	15 to 55V	Single	50	400 to 1400	PU1400C50WSBDIM	C1B	4.56	2.48	1.18	116	63	30	
120 to 277	27 to 55V	Single	60	700 to 1400	PU1400C60WSDIM	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	27 to 55V	Single	80	1050 to 2100	PU2100C80WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387
120 to 277	27 to 55V	Single	98	1400 to 2750	PU2750C98WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387
120 to 277	62 to 122V	Single	110	600 to1200	PU1200C110WSD	CH3U	6.85	3.58	1.73	174	91	44	166

Eighting tid.

Fixed Cu	rrent 0 - 10	V Dimmin	g Multi V	oltage 120-34	47V	Nov-23			R12				
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE CASE CASE SIZE Inches					C	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 347	24 to 40V	Single	60	1500	NM1500C60WRSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 347	25 to 42V	Single	60	1500	MC1500C60DL	СМ	8.11	3.43	1.36	206	87	34.5	45

# Constant Voltage 0 - 10V Dimming Circular Open Frame 120-277V

	•		-										
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE S	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	36V	Single	60	1.66A	OU36V60WSD	OP5D	5.20	D	2.83	13	2	72	
120 to 277	36V	Single	100	2.77A	OU36V100WSD	OP5D	5.20	D	2.83	13	2	72	
120 to 277	36V	Single	160	4.44A	OU36V160WSD	OP6D	5.90	D	2.83	15	0	72	
120 to 277	36V	Single	240	6.66A	OU36V240WSD	OP7D	7.10	6	2.83	18	2	72	

Sep-23

R1

#### Constant Voltage Non Dimming Circular Open Frame 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	36V	Single	60	1.66A	OU36V60WS	OP2D	4.3	7	1.38	11	1	35	
120 to 277	36V	Single	100	2.77A	OU36V100WS	OP2D	4.3	7	1.38	11	1	35	
120 to 277	36V	Single	160	4.44A	OU36V160WS	OP3D	5.2	0	1.38	13	32	35	
120 to 277	36V	Single	240	6.66A	OU36V240WS	OP4D	5.9	0	1.38	15	i0	35	

#### FIXED Current 0 - 10V Dimming Circular Open Frame 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE	Inches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	22 to 36V	Single	60	1670	OU1670C60WSD	OP2D	4.3	7	1.38	11	1	35	
120 to 277	22 to 36V	Single	100	2780	OU2780C100WSD	OP2D	4.3	7	1.38	11	1	35	
120 to 277	22 to 36V	Single	160	4500	OU4500C160WSD	OP3D	5.2	0	1.38	13	2	35	
120 to 277	22 to 36V	Single	240	6670	OU6670C240WSD	OP4D	5.9	0	1.38	15	0	35	

# FIXED Current 0 - 10V Dimming Surge 2-6KV 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	70 to 114V	Single	120	1050	NU1050C120WS	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	70 to 114V	Single	120	1050	NU1050C120WSD	FS4	9.50	2.40	1.60	240	61	40.8	226
120 to 277	114 to 190V	Single	200	1050	NU1050C200WS	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	114 to 190V	Single	200	1050	NU1050C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226



#### Fixed Current 0 - 10V Dimming IP67 347V

Fixed C	urrent 0	- 10V E	Dimmin	ig IP67 347	٧	Aug-23		R33					
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	С	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	¥	Н	L	w	Н	ML
347	172 to 286V	Single	100	350	NC350C100WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	35 to 60V	Single	42	700	NC700C42WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	34 to 57V	Single	57	1000	NC1000C57WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	22 to 36V	Single	40	1100	NC1100C40WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	25 to 42V	Single	52	1240	NC1240C52WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	24 to 40V	Single	84	2100	NC2100C84WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	32 to 54V	Single	150	2800	NC2800C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
347	22 to 36V	Single	150	4200	NC4200C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226

#### Fixed Current 0 - 10V Dimming IP67 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	С	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	w	н	L	w	н	ML
120 to 277	25 to 42V	Single	13	310	NU310C13WSD-IP67	C10	5.12	2.68	1.60	130	68	40.5	117
120 to 277	14 to 24V	Single	8	350	NU350C8WSD-IP67	C10	5.12	2.68	1.60	130	68	40.5	117
120 to 277	170 to 285V	Single	100	350	NU350C100WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	54 to 90	Single	48	530	NU530C48WSD-IP67	C9U	6.73	2.68	1.60	171	68	40.5	158
120 to 277	26 to 42V	Single	25	600	NU600C25WSD-IP67	C10	5.12	2.68	1.60	130	68	40.5	117
120 to 277	27 to 45V	Single	30	650	NU650C30WSD-IP67	C10	5.12	2.68	1.60	130	68	40.5	117
120 to 277	22 to 36V	Single	25	700	NU700C25WSD-IP67	C10	5.12	2.68	1.60	130	68	40.5	117
120 to 277	36 to 60V	Single	42	700	NU700C42WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	43 to 71V	Single	50	700	NU700C50WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	85 to 143V	Single	100	700	NU700C100WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	103 to 171V	Single	120	700	NU700C120WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	128 to 214V	Single	150	700	NU700C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	72 to 120V	Single	114	950	NU950C114WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	35 to 57V	Single	57	1000	NU1000C57WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	22 to 36V	Single	43	1200	NU1200C43WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	34 to 56V	Single	67	1200	NU1200C67WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	25 to 42V	Single	52	1240	NU1240C52WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	22 to 37V	Single	52	1400	NU1400C52WSD-IP67	C9U	6.73	2.68	1.60	171	68	40.5	158
120 to 277	64 to 107V	Single	150	1400	NU1400C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	22 to 36V	Single	54	1500	NU1500C54WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	24 to 40V	Single	60	1500	NU1500C60WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	29 to 48V	Single	84	1750	NU1750C84WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	33 to 55V	Single	96	1750	NU1750C96WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	50 to 84V	Single	150	1750	NU1750C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	24 to 40V	Single	72	1800	NU1800C72WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	30 to 50V	Single	90	1800	NU1800C90WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	32 to 54V	Single	100	1800	NU1800C100WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	12 to 20V	Single	40	2000	NU2000C40WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	26 to 42V	Single	84	2000	NU2000C84WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	26 to 43V	Single	86	2000	NU2000C86WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	24 to 40V	Single	84	2100	NU2100C84WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	34 to 57V	Single	120	2100	NU2100C120WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	16 to 27V	Single	75	2800	NU2800C75WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	32 to 54V	Single	150	2800	NU2800C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	21 to 36V	Single	122	3400	NU3400C122WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	26 to 43V	Single	150	3500	NU3500C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	17 to 28V	Single	120	4200	NU4200C120WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	22 to 36V	Single	150	4200	NU4200C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	14 to 24V	Single	120	5000	NU5000C120WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	18 to 30V	Single	150	5000	NU5000C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226

#### Fixed Current Non Dimming IP67 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	w	н	L	w	н	ML
120 to 277	24 to 40V	Single	44	1100	NU1100C44WS-IP67	C9U	6.73	2.68	1.60	171	68	40.5	158
120 to 277	22 to 36V	Single	54	1500	NU1500C54WS-IP67	C9U	6.73	2.68	1.60	171	68	40.5	158
120 to 277	25 to 42V	Single	63	1500	NU1500C63WS-IP67	C9U	6.73	2.68	1.60	171	68	40.5	158



Consta	nt Voltag	e 0-1(	)V Dim	ming <mark>IP67</mark>	347V	Dec-23		R3					
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE SI	ZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	w	Н	ML
347	12V	Single	60	5A	NC12V60WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	12V	Single	100	8A	NC12V100WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	24V	Single	60	2.5A	NC24V60WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	24V	Single	100	4.1A	NC24V100WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
347	36V	Single	60	1.66A	NC36V60WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226

# Constant Voltage Non Dimming IP67 347V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	24V	Single	100	4.1A	NC24V100WS-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226

# Constant Voltage 0 - 10V Dimming IP67 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	С	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	w	Н	L	W	Н	ML
120 to 277	12V	Single	60	5A	NU12V60WSD67C9	C9U	6.73	2.68	1.60	171	68	40.5	158
120 to 277	12V	Single	100	8A	NU12V100WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	12V	Single	150	12.5	NU12V150WSD-IP67	F1	9.50	3.08	1.82	241	78.0	46.0	226
120 to 277	24V	Single	60	2.5A	NU24V60WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	24V	Single	100	4.1A	NU24V100WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	24V	Single	120	5A	NU24V120WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	36V	Single	60	1.66A	NU36V60WSD-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	36V	Single	150	4.16A	NU36V150WSD-IP67	FS9	9.50	2.68	1.60	241	68.0	40.5	226

# Constant Voltage Non Dimming IP67 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	С	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	12V	Single	60	5A	NU12V60WS-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	12V	Single	100	0.8-8A	NU12V100WS-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	24V	Single	100	4.1A	NU24V100WS-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226
120 to 277	24V	Single	150	6.25A	NU24V150WS-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
120 to 277	36V	Single	60	1.66A	NU36V60WS-IP67	C9U	6.73	2.68	1.60	171	68	40.5	158
120 to 277	36V	Single	100	2.7A	NU36V100WS-IP67	FS8	9.50	2.42	1.54	241	61.5	39	226

 $E_{ighting \, ltd.}^{age}$ 

Jan-24 R26

#### Constant Power Emergency Cold Temp LED Driver with Remote Battery 120-347V IP67 Rated Test Switch

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
7.2	15 to 55V	90 minutes	10	24 Hours	CCEM10W1555B72PX	C1U B1	5.23	2.48	1.18	133	63	30	123

#### Constant Power Emergency Cold Temp LED Driver Multi Voltage 120-347V IP67 Rated Test Switch

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	<b>Operating HRS</b>	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
7.2	15 to 55V	90 minutes	4	24 Hours	CCEM4W1555B72P	C4S	6.50	2.87	1.18	165	73	30	149
7.2	15 to 55V	90 minutes	10	24 Hours	CCEM10W1555B72P	FS3	9.50	2.40	1.46	241	61	37	226

#### Constant Power Emergency Inverter 120-277V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE AC	<b>Operating HRS</b>	WATTS	Charge Time	Model Number	SERIES	L	W	н	L	W	н	ML
12.8V	120V or 277V	90 minutes	25	24 Hours	IEM25W128P1FT	EM5	20.67	2.24	2.05	525	57	52	515
12.8V	120V or 277V	90 minutes	35	24 Hours	IEM35W128P1FT	EM5	20.67	2.24	2.05	525	57	52	515
12.8V	120V or 277V	90 minutes	50	24 Hours	IEM50W128P1FT	EM5	20.67	2.24	2.05	525	57	52	515

#### Constant Power Emergency LED Driver for Type B UL Lamps Multi Voltage 120-277V

				· · · · · · · · · · · · · · · · · · ·									
BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	size i	nches	C	ASE S	SIZE mn	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
12.8V	40 to 180V	90 minutes	10	24 Hours	BEM10W170128PE14	E14L	15.50	1.49	1.14	395	38	29.00	387
12.8V	40 to 180V	90 minutes	10	24 Hours	BEM10W170128P	EM1	11.97	1.70	1.20	304	43	30.5	289

#### Constant Power Emergency LED Driver for Type B UL Lamps with Single Flexible Metal Conduit Multi Voltage 120-277V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
12.8V	40 to 180V	90 minutes	10	24 Hours	BEM10W170128P1FT	EM	13.30	2.44	1.49	338	62	38	325

#### Constant Power 2-Hour Emergency LED Driver Multi Voltage 120-347V

			<b>U J</b>		U								
BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	w	Н	ML
6.4V	15 to 55V	120 minutes	10	24 Hours	CEM10W1555B64P2EM4	EM4	16.60	1.18	1.00	421.6	30.0	25.4	414

#### Constant Power Emergency LED Driver for Direct Wire Multi Voltage 120-277V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
12.8V	120 to 180V	90 minutes	10	24 Hours	DEM10W170128P	EM1	11.97	1.70	1.20	304	43	30.5	289
12.8V	120 to 180V	90 minutes	20	24 Hours	DEM20W170128P	EM	13.30	2.44	1.49	338	62	38	325

#### Constant Power Emergency LED Driver for Direct Wire with Single 10W / Dual 20W Flexible Metal Conduit Multi Voltage 120-277V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Batterv	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS		Model Number	SERIES		W	H	L	W	Н	ML
12.8V	120 to 180V	90 minutes	10	24 Hours	DEM10W170128P1FT	EM1	11.97	1.70	1.20	304	43	30.5	289
12.8V	120 to 180V	90 minutes	20	24 Hours	DEM20W170128PFT	EM	13.30	2.44	1.49	338	62	38	325

 $ec{E}_{ighting}$  (td.

Jan-24 R25

#### Constant Power Emergency LED Driver with Remote Battery Multi Voltage 120-347V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	Г	W	Н	ML
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64PX	C1U B1	5.23	2.48	1.18	133	63	30	123
9.6V	15 to 55V	90 minutes	16	24 Hours	CEM16W1555B96PX	C1U B2	5.23	2.48	1.18	133	63	30	123
9.6V	15 to 55V	90 minutes	20	24 Hours	CEM20W1555B96PX	C1U F3	5.23	2.48	1.18	133	63	30	123

#### Constant Power Auto Diagnostic Emergency LED Driver 120-277V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	<b>Operating HRS</b>	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
6.4V	15 to 55V	90 minutes	10	24 Hours	SEM10W1555B64PE10	E10L	16.50	1.20	1.18	420	30.5	30	413
6.4V	15 to 55V	90 minutes	10	24 Hours	SEM10W1555B64P	EM1	11.97	1.70	1.20	304	43	30.5	289
9.6V	15 to 55V	90 minutes	14	24 Hours	SEM14W1555B96P	EM1	11.97	1.70	1.20	304	43	30.5	289
9.6V	15 to 55V	90 minutes	20	24 Hours	SEM20W1555B96P	EM3	15.40	2.24	1.30	390	57	33	382

#### Constant Power Auto Diagnostic Emergency LED Driver with Flexible Metal Conduit 120-277V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	<b>Operating HRS</b>	WATTS	Charge Time	Model Number	SERIES	L	w	Н	L	W	Н	ML
6.4V	15 to 55V	90 minutes	10	24 Hours	SEM10W1555B64PFT	EM1	11.97	1.70	1.20	304	43	30.5	289
9.6V	15 to 55V	90 minutes	14	24 Hours	SEM14W1555B96PFT	EM1	11.97	1.70	1.20	304	43	30.5	289
9.6V	15 to 55V	90 minutes	20	24 Hours	SEM20W1555B96PFT	EM3	15.40	2.24	1.30	390	57	33	382

#### Constant Power Emergency LED Driver Multi Voltage 120-347V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	<b>Operating HRS</b>	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
6.4V	15 to 55V	90 minutes	4	24 Hours	CEM4W1555B64PEM4	EM4	16.60	1.18	1.00	421.6	30.0	25.4	414
6.4V	15 to 55V	90 minutes	6	24 Hours	CEM6W1555B64P	C1U	5.23	2.48	1.18	133	63	30	123
6.4V	15 to 55V	90 minutes	6	24 Hours	CEM6W1555B64PB	C1B	4.56	2.48	1.18	116	63	30	
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64PEM4	EM4	16.60	1.18	1.00	421.6	30.0	25.4	414
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64P	MU2	9.50	1.70	1.20	241	43.0	29.5	226
12.8V	15 to 55V	90 minutes	14	24 Hours	CEM14W1555B64PEM4	EM4	16.60	1.18	1.00	421.6	30.0	25.4	414
9.6V	15 to 55V	90 minutes	20	24 Hours	CEM20W1555B96P	EM	13.30	2.44	1.49	338	62	38	325

#### Constant Power Emergency LED Driver with Flexible Metal Conduit Multi Voltage 120-347V

DATTEDV				Mary Dattern	0405	0405	CACE		mak a a	~		75	
BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE	ncnes	L.	A2E 2	IZE mn	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	w	Н	L	w	н	ML
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64PFT	MU2	9.50	1.70	1.20	241	43.0	29.5	226
9.6V	15 to 55V	90 minutes	14	24 Hours	CEM14W1555B96PFT	EM1	11.97	1.70	1.20	304	43	30.5	289
9.6V	15 to 55V	90 minutes	20	24 Hours	CEM20W1555B96PFT	EM	13.30	2.44	1.49	338	62	38	325

#### Constant Power Emergency LED Driver with Single Exit Flexible Metal Conduit Multi Voltage 120-3

			<u>,</u>										
BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE				C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	<b>Operating HRS</b>	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	w	Н	ML
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64P1FT	MU2	9.50	1.70	1.20	241	43.0	29.5	226

Èage Èighting ttd.

Sep-23 R18

# Constant Power Emergency LED Driver 347-480V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
6.4V	15 to 55V	90 minutes	10	24 Hours	4EM10W1555B64P	MU2	9.50	1.70	1.20	241	43.0	29.5	226
9.6V	15 to 55V	90 minutes	20	24 Hours	4EM20W1555B96P	EM	13.30	2.44	1.49	338	62	38	325
9.6V	15 to 55V	90 minutes	25	24 Hours	4EM25W1555B96P	EM	13.30	2.44	1.49	338	62	38	325

# Fixed Current - Programmable Emergency LED Driver Kit 0 - 10V Dimming 1-100% 120-277V

				<u> </u>				•					
INPUT	OUTPUT	Emergency	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	15 to 55V	90 minutes	50	400-1400	PEM1400C50WSD64E4	E4L	17.72	1.69	1.14	450	43	29	438

### Fixed Current 0 - 10V Dimming Emergency LED Driver Kit 120-277V

INPUT	OUTPUT	Emergency	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	<b>Operating HRS</b>	WATTS	CURRENT mA	Model Number	SERIES	L	W	н	L	W	н	ML
120 to 277	22 to 38V	90 minutes	40	1050	ENU1050C40WSD64	L1	10.28	2.40	1.46	261	61	37	246
120 to 277	26 to 43V	90 minutes	50	1150	ENU1150C50WSD64	L1	10.28	2.40	1.46	261	61	37	246
120 to 277	24 to 40V	90 minutes	60	1500	ENU1500C60WSD64	L1	10.28	2.40	1.46	261	61	37	246

# Fixed Current Emergency LED Driver Multi Voltage 120-347V

					-								
BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE	Inches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	Operating HRS	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	H	ML
6.4V	15 to 55V	90 minutes	4	24 Hours	CEM4W1555B64E10	E10L	16.50	1.20	1.18	420	30.5	30	413
6.4V	80 to 130V	90 minutes	8	24 Hours	CEM8W80130B64E10	E10L	16.50	1.20	1.18	420	30.5	30	413
6.4V	80 to 130V	90 minutes	8	24 Hours	CEM8W80130B64	MU2	9.50	1.70	1.20	241	43.0	29.5	226
6.4V	80 to 176V	90 minutes	8	24 Hours	CEM8W80176B64	MU2	9.50	1.70	1.20	241	43.0	29.5	226
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64E10	E10L	16.50	1.20	1.18	420	30.5	30	413
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64	MU2	9.50	1.70	1.20	241	43.0	29.5	226
9.6V	15 to 55V	90 minutes	20	24 Hours	CEM20W1555B96	EM	13.30	2.44	1.49	338	62	38	325
9.6V	80 to 130V	90 minutes	28.6	24 Hours	CEM28W80130B96	EM	13.30	2.44	1.49	338	62	38	325
9.6V	80 to 176V	90 minutes	28	24 Hours	CEM28W80176B96	EM	13.30	2.44	1.49	338	62	38	325

# Fixed Current Emergency LED Driver with Flexible Metal Conduit Multi Voltage 120-347V

BATTERY	OUTPUT	Emergency	OUTPUT	Max Battery	SAGE	CASE	CASE	SIZE I	Inches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	<b>Operating HRS</b>	WATTS	Charge Time	Model Number	SERIES	L	W	Н	L	W	Н	ML
6.4V	80 to 130V	90 minutes	8	24 Hours	CEM8W80130B64CFT	MU2	9.50	1.70	1.20	241	43.0	29.5	226
6.4V	80 to 176V	90 minutes	8	24 Hours	CEM8W80176B64CFT	MU2	9.50	1.70	1.20	241	43.0	29.5	226
6.4V	15 to 55V	90 minutes	10	24 Hours	CEM10W1555B64CFT	MU2	9.50	1.70	1.20	241	43.0	29.5	226
9.6V	15 to 55V	90 minutes	20	24 Hours	CEM20W1555B96CFT	EM	13.30	2.44	1.49	338	62	38	325
9.6V	80 to 130V	90 minutes	28.6	24 Hours	CEM28W80130B96CFT	EM	13.30	2.44	1.49	338	62	38	325
9.6V	80 to 176V	90 minutes	28	24 Hours	CEM28W80176B96CFT	EM	13.30	2.44	1.49	338	62	38	325



# Fixed Current 0 - 10V Dimming 347V to 480V

Fixed C	urrent 0 -	10V Dimmi	ng <mark>347</mark>	'V to 480V		Oct-23		R13					
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347 to 480	112 to 186V	Single	65	350	NCF350C65WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	168 to 280V	Single	150	530	NCF530C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	171 to 285V	Single	151	530	NCF530C151WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	130 to 214V	Single	150	700	NCF700C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	171 to 285V	Single	200	700	NCF700C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	170 to 285V	Single	200	700	NCF700C200WSDF	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	120 to 200V	Single	200	1000	NCF1000C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	86 to 143V	Single	150	1050	NCF1050C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	114 to 190V	Single	200	1050	NCF1050C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	100 to 166V	Single	200	1200	NCF1200C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	86 to 143V	Single	180	1250	NCF1250C180WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	69 to 115V	Single	150	1300	NCF1300C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	64 to 107V	Single	150	1400	NCF1400C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	86 to 143V	Single	200	1400	NCF1400C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	50 to 83V	Single	150	1800	NCF1800C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	67 to 111V	Single	200	1800	NCF1800C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	22 to 36V	Single	75	2100	NCF2100C75WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	43 to 71V	Single	150	2100	NCF2100C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	57 to 95V	Single	200	2100	NCF2100C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	24 to 40V	Single	92	2300	NCF2300C92WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	25 to 41V	Single	100	2400	NCF2400C100WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	36 to 60V	Single	150	2500	NCF2500C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	48 to 80V	Single	200	2500	NCF2500C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	32 to 54V	Single	150	2800	NCF2800C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	32 to 54V	Single	150	2800	NCF2800C150WSD-IP67	FS9	9.50	2.68	1.60	241	68	40.5	226
347 to 480	43 to 71V	Single	200	2800	NCF2800C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	30 to 50V	Single	150	3000	NCF3000C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	40 to 67V	Single	200	3000	NCF3000C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347 to 480	26 to 43V	Single	150	3500	NCF3500C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347 to 480	34 to 57V	Single	200	3500	NCF3500C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226

# CCT & Brightness Selectable Multi Current 0 - 10V Dimming Colour Control Multi Voltage 120-347V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 347	27 to 45V	2	34	450/600/750	NM750D3C34WD-CB	EM1	11.97	1.70	1.20	304	43	30.5	289
120 to 347	26 to 43V	2	60	1000/1200/1400	NM1400D3C60WD-CB	EM1	11.97	1.70	1.20	304	43	30.5	289

# Fixed Current CCT & Brightness Dual Channel 0 - 10V Dimming Colour Control 120-277V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	Inches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	22 to 36V	2	18	500	NU500C18WD-CB	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277	23 to 39V	2	23	600	NU600C23WD-CB	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277	22 to 36V	2	25	700	NU700C25WD-CB	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277	22 to 36V	2	50	1400	NU1400C50WD-CB	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277	26 to 43V	2	60	1400	NU1400C60WD-CB	MU2	9.50	1.70	1.20	241	43	29.5	226



# SELECTABLE Multi CURRENT LED DRIVERS INDEX

Selecta	ble Multi	Current	- 10V D	imming - 347V		Sep-23		R20					
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	28 to 48V	Single	33 to 67	700/1050/1400	NC1400D3C67WSD	MU2	9.50	1.70	1.20	241	43	29.5	226

# Selectable Multi Current Non Dimming - 347V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	22 to 38V	Single	19 to 40	500/700/1050	NC1050D3C40WS	MU2	9.50	1.70	1.20	241	43	29.5	226
347	30 to 43V	Single	30 to 60	700/1050/1400	NC1400D3C60WS	MU2	9.50	1.70	1.20	241	43	29.5	226
347	24 to 40V	Single	56 to 84	1400/1750/2100	NC2100D3C84WS	FS3	9.50	2.40	1.46	241	61	37	226

# Selectable Multi Current 0 - 10V Dimming 120-277V

Oct-23

Sep-23

INPUT         OUTPUT         OUTPUT         OUTPUT         OUTPUT         SAGE         CASE         CASE         SIZE         In-thesis           120         0277         80 to 133V         Single         46 to 60         350/450         NU450D2C60WSDIM         MU2         9.50         1.70         1.20         241         43         29.5         22.6           120 to 277         24 to 40V         Single         14 to 20         350/450         NU50DD2C42WSD         C1U         5.23         2.48         1.18         133         63         30         123           120 to 277         28 to 49V         Single         17 to 33         350/700         NU50DD4C20WSD         C1U         5.23         2.48         1.18         133         63         30         123           120 to 277         28 to 48V         Single         17 to 73         350/450/550/700         NU700D4C20WSD         MU2         9.50         1.70         1.20         241         43         29.5         2.66           120 to 277         25 to 86V         Single         21 to 27         530/450/550/700         NU700D4C20WSDIM         MU2         9.50         1.70         1.20         241         43         29.5         2.66	Selecia		Guilent	U-10V		/ / <b>v</b>	001-23		K 39					
120 to 277       80 to 133V       Single       46 to 60       350/450       NU450D2C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       24 to 40V       Single       14 to 20       350/400/450500       NU500D4C20WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       28 to 48V       Single       13 to 25       310/500/620       NU52002C42WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       28 to 48V       Single       11 to 42       350/700       NU700D2C33WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       52 to 86V       Single       31 to 75       350/50/700       NU700D2C3WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       64 to 17V       Single       74 to 150       350/50/700       NU700D2C3WSD       MU2       9.50       1.70       1.20       241       43       29.5       256         120 to 277       64 to 17V       Single<	INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	Inches	C	ASE S	IZE mn	n
120 to 277       24 to 40V       Single       14 to 20       350/400/450/500       NU500D4C20WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       24 to 480V       Single       13 to 25       310/500/620       NU520D2C42WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       25 to 41V       Single       17 to 33       350/700       NU700D2C33WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       26 to 60V       Single       21 to 42       350/450/550/700       NU700D4C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       52 to 86V       Single       31 to 75       350/550/700       NU700D3C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       22 to 38V       Single       14 to 75       350/567/00       NU700D3C75WSD       FS3       9.50       2.40       1.46       241       61       37       24         120 to 277       28 to 142V       Si	VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277         48 to 80V         Single         28 to 42         350/520         NU520D2C42WSD         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         25 to 41V         Single         13 to 25         310/500/620         NU620D3C25WSDIM         C1U         5.23         2.48         1.18         133         63         30         123           120 to 277         28 to 48V         Single         11 to 42         350/410/530700         NU700D4C42WRSDIM         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         52 to 66V         Single         31 to 60         350/450/550/700         NU700D4C60WSDIM         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         52 to 86V         Single         31 to 75         350/50/700         NU700D3C150WSDIM         FS3         9.50         2.60         1.60         241         64         0.52         261           120 to 277         28 to 48V         Single         24 to 48         500/700/950/1500         NU100D2C48WSD         MU2         9.50         2.60         1.6	120 to 277	80 to 133V	Single	46 to 60	350/450	NU450D2C60WSDIM	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277       25 to 41V       Single       13 to 25       310/500/620       NU620D3C25WSDIM       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       28 to 48V       Single       17 to 33       350/700       NU700D2C33WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       56 to 60V       Single       30 to 60       350/450/550/700       NU700D3C75WSD       FS3       9.50       1.70       1.20       241       43       29.5       226         120 to 277       64 to 107V       Single       74 to 150       350/50/700       NU700D3C150WSDIM       FS3       9.50       1.60       241       63       43       29.5       226         120 to 277       22 to 38V       Single       19 to 34       500/700/900       NU900D3C34WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       29 to 48V       Single       500 /700/750/875/1000       NU1000D2C48WSD       C4S       6.50       2.60       1.60       241       64       0.52       226         120 to 277       48 to 80V       Single	120 to 277	24 to 40V	Single	14 to 20	350/400/450/500	NU500D4C20WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277       28 to 48V       Single       17 to 33       350/700       NU700D2C33WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       36 to 60V       Single       21 to 42       350/410/530/700       NU700D4C42WRSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       52 to 86V       Single       30 to 60       350/450/550/700       NU700D3C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       128 to 214V       Single       74 to 150       350/550/700       NU700D3C34WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       29 to 48V       Single       24 to 48       500/700/900       NU900D3C34WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       29 to 48V       Single       24 to 48       500/700/1500       NU1000D2428WSD       CAS       6.50       2.87       1.18       165       73       30       149         120 to 277       37 to 57V	120 to 277	48 to 80V	Single	28 to 42	350/520	NU520D2C42WSD	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277       36 to 60V       Single       21 to 42       350/410/530/700       NU700D4C42WRSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       52 to 86V       Single       30 to 60       350/450/550/700       NU700D3C75WSD       FS3       9.50       1.70       1.20       241       43       29.5       226         120 to 277       52 to 86V       Single       74 to 150       350/550/700       NU700D3C750WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       128 to 214V       Single       19 to 34       500/700/900       NU900D3C34WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       29 to 48V       Single       24 to 48       500/700/960       NU1000D2C48WSD       C45       6.50       2.87       1.81       165       7.3       30       149         120 to 277       73 to 57V       Single       29 to 60       500/700/950       NU1050D4C48WSDD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       73 to 57V	120 to 277	25 to 41V	Single	13 to 25	310/500/620	NU620D3C25WSDIM	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277       52 to 86V       Single       30 to 60       350/450/550/700       NU700D4C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       64 to 107V       Single       37 to 75       350/550/700       NU700D3C150WSDIM       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       128 to 214V       Single       14 to 150       350/530/700       NU700D3C150WSDIM       FS5       9.50       2.60       1.60       241       43       29.5       226         120 to 277       29 to 48V       Single       24 to 48       500/700/900       NU1000D2C48WSD       C45       6.50       2.60       1.60       241       46       40.5       226         120 to 277       37 to 57V       Single       24 to 48       500/700/950/1050       NU1050D4C84WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       38 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSDIM       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277	120 to 277	28 to 48V	Single	17 to 33	350/700	NU700D2C33WSD	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277       64 to 107V       Single       37 to 75       350/550/700       NU700D3C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       128 to 214V       Single       74 to 150       350/530/700       NU700D3C150WSDIM       FS5       9.50       2.60       1.60       241       66       40.5       226         120 to 277       22 to 38V       Single       19 to 34       500/700/900       NU900D3C48WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       29 to 48V       Single       24 to 48       500/700/1050       NU100D04C407WSD       FS5       9.50       2.60       1.60       241       64       40.5       226         120 to 277       37 to 57V       Single       44 to 84       550/700/1500       NU1050D4C84WSBD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSBD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       48 to 80V <td>120 to 277</td> <td>36 to 60V</td> <td>Single</td> <td>21 to 42</td> <td>350/410/530/700</td> <td>NU700D4C42WRSDIM</td> <td>MU2</td> <td>9.50</td> <td>1.70</td> <td>1.20</td> <td>241</td> <td>43</td> <td>29.5</td> <td>226</td>	120 to 277	36 to 60V	Single	21 to 42	350/410/530/700	NU700D4C42WRSDIM	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277         128 to 214V         Single         74 to 150         350/530/700         NU700D3C150WSDIM         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         22 to 38V         Single         19 to 34         500/700/900         NU900D3C34WSD         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         29 to 48V         Single         24 to 48         500/700/900         NU1000D2C48WSD         C4S         6.50         2.87         1.18         165         73         30         149           120 to 277         64 to 107V         Single         24 to 48         500/700/950/1050         NU1050D4C84WSBD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         74 to 80V         Single         44 to 84         550/700/950/1050         NU1050D4C84WSBD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         48 to 80V         Single         54 to 112         500/750/875/1050         NU1240D3C52WSD         MU2         9.50         1.70	120 to 277	52 to 86V	Single	30 to 60	350/450/550/700	NU700D4C60WSDIM	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277         22 to 38V         Single         19 to 34         500/700/900         NU900D3C34WSD         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         29 to 48V         Single         24 to 48         500/1000         NU1000D2C48WSD         C4S         6.50         2.87         1.18         165         73         30         149           120 to 277         64 to 107V         Single         24 to 48         500/700/1050         NU105DD3C60WSDIM         MU2         9.50         1.70         1.20         241         43.0         29.5         226           120 to 277         74 to 80V         Single         24 to 84         550/700/950/1050         NU1050D4C84WSBD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         48 to 80V         Single         44 to 84         550/700/950/1050         NU1050D4C34WSBD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         64 to 107V         Single         54 to 112         500/750/75/750         NU1050D4C12WSD         FS5         9.50         1.70 <td< td=""><td>120 to 277</td><td>64 to 107V</td><td>Single</td><td>37 to 75</td><td>350/550/700</td><td>NU700D3C75WSD</td><td>FS3</td><td>9.50</td><td>2.40</td><td>1.46</td><td>241</td><td>61</td><td>37</td><td>226</td></td<>	120 to 277	64 to 107V	Single	37 to 75	350/550/700	NU700D3C75WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277       29 to 48V       Single       24 to 48       500/1000       NU1000D2C48WSD       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       64 to 107V       Single       54 to 107       500/750/875/1000       NU1000D4C107WSD       FS5       9.50       2.60       1.60       241       66       40.5       226         120 to 277       37 to 57V       Single       29 to 60       500/700/950/1050       NU1050D4C84WSBD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSDIM       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       48 to 80V       Single       54 to 112       500/750/875/1050       NU1050D4C112WSD       FS5       9.50       2.60       1.60       241       64       40.5       226         120 to 277       25 to 42V       Single       30 to 60       700/1050/1400       NU1400D3C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277 <t< td=""><td>120 to 277</td><td>128 to 214V</td><td>Single</td><td>74 to 150</td><td>350/530/700</td><td>NU700D3C150WSDIM</td><td>FS5</td><td>9.50</td><td>2.60</td><td>1.60</td><td>241</td><td>66</td><td>40.5</td><td>226</td></t<>	120 to 277	128 to 214V	Single	74 to 150	350/530/700	NU700D3C150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277       64 to 107V       Single       54 to 107       500/750/875/1000       NU1000D4C107WSD       FS5       9.50       2.60       1.60       241       66       40.5       226         120 to 277       37 to 57V       Single       29 to 60       500/700/1050       NU1050D3C60WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSBD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       48 to 80V       Single       54 to 112       500/750/875/1050       NU1050D4C34WSDIM       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       64 to 107V       Single       54 to 512       620/1020/1240       NU140D3C52WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       26 to 43V       Single       30 to 60       700/1050/1400       NU140D3C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277	120 to 277	22 to 38V	Single	19 to 34	500/700/900	NU900D3C34WSD	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277       37 to 57V       Single       29 to 60       500/700/1050       NU1050D3C60WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSBD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSDIM       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       64 to 107V       Single       54 to 112       500/750/875/1050       NU1050D4C112WSD       FS5       9.50       2.60       1.60       241       43       29.5       226         120 to 277       26 to 43V       Single       30 to 60       700/1050/1400       NU1400D3C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       26 to 43V       Single       30 to 60       700/1050/1400       NU1400D3C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277	120 to 277	29 to 48V	Single	24 to 48	500/1000	NU1000D2C48WSD	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSBD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSDIM       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       64 to 107V       Single       54 to 112       500/750/875/1050       NU1050D4C112WSD       FS5       9.50       2.60       1.60       241       64       40.5       226         120 to 277       25 to 42V       Single       26 to 52       620/1020/1240       NU140D3C50WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       26 to 43V       Single       30 to 60       700/1050/1400       NU1400D3C60WSBD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       26 to 43V       Single       30 to 60       700/1050/1400       NU1600D3C91WSDIMF       FS3       9.50       2.60       1.60       241       64       40.5       226         120 to 277	120 to 277	64 to 107V	Single	54 to 107	500/750/875/1000	NU1000D4C107WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277       48 to 80V       Single       44 to 84       550/700/950/1050       NU1050D4C84WSDIM       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       64 to 107V       Single       54 to 112       500/750/875/1050       NU1050D4C112WSD       FS5       9.50       2.60       1.60       241       66       40.5       226         120 to 277       25 to 42V       Single       26 to 52       620/1020/1240       NU1400D3C52WSD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       26 to 43V       Single       30 to 60       700/1050/1400       NU1400D3C60WSDIM       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       26 to 43V       Single       30 to 60       700/1050/1400       NU1400D3C60WSBD       MU2       9.50       1.70       1.20       241       43       29.5       226         120 to 277       34 to 56V       Single       61 to 91       1050/1400/1500       NU1600D3C91WSDIMF       FS3       9.50       2.60       1.60       241       61       37       226         120 to 277	120 to 277	37 to 57V	Single	29 to 60	500/700/1050	NU1050D3C60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 27764 to 107VSingle54 to 112500/750/875/1050NU1050D4C112WSDFS59.502.601.602416640.5226120 to 27725 to 42VSingle26 to 52620/1020/1240NU1240D3C52WSDMU29.501.701.202414329.5226120 to 27726 to 43VSingle30 to 60700/1050/1400NU1400D3C60WSDIMMU29.501.701.202414329.5226120 to 27726 to 43VSingle30 to 60700/1050/1400NU1400D3C60WSBDMU29.501.701.202414329.5226120 to 27751 to 85VSingle90 to 1281050/1400/1500NU1500D3C128WSDFS59.502.601.602416640.5226120 to 27734 to 56VSingle61 to 911050/1400/1700NU1600D3C91WSDIMFFS39.502.601.602416640.5226120 to 27725 to 42VSingle87 to 1421000/1400/1710NU1710D3C142WSDFS59.502.601.602416640.5226120 to 27725 to 42VSingle38 to 761400/1750/2100NU1800D3C70WSDFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSDFS39.502.401.462416137226120 to 277	120 to 277	48 to 80V	Single	44 to 84	550/700/950/1050	NU1050D4C84WSBD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 27725 to 42VSingle26 to 52620/1020/1240NU1240D3C52WSDMU29.501.701.202414329.5226120 to 27726 to 43VSingle30 to 60700/1050/1400NU1400D3C60WSDIMMU29.501.701.202414329.5226120 to 27726 to 43VSingle30 to 60700/1050/1400NU1400D3C60WSBDMU29.501.701.202414329.5226120 to 27726 to 43VSingle90 to 1281050/1400/1500NU1400D3C60WSBDMU29.501.701.202414329.5226120 to 27751 to 85VSingle61 to 911050/1400/1500NU1500D3C128WSDFS59.502.601.602416640.5226120 to 27734 to 56VSingle61 to 911050/1400/1710NU1710D3C142WSDFS59.502.601.602416640.5226120 to 27725 to 42VSingle87 to 1421000/1400/1710NU1710D3C142WSDFS39.502.401.462416137226120 to 27725 to 42VSingle57 to 1081050/1700/2000NU2000J3C160WSDIMFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 277 <td< td=""><td>120 to 277</td><td>48 to 80V</td><td>Single</td><td>44 to 84</td><td>550/700/950/1050</td><td>NU1050D4C84WSDIM</td><td>FS3</td><td>9.50</td><td>2.40</td><td>1.46</td><td>241</td><td>61</td><td>37</td><td>226</td></td<>	120 to 277	48 to 80V	Single	44 to 84	550/700/950/1050	NU1050D4C84WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277         26 to 43V         Single         30 to 60         700/1050/1400         NU1400D3C60WSDIM         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         26 to 43V         Single         30 to 60         700/1050/1400         NU1400D3C60WSBD         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         26 to 43V         Single         90 to 128         1050/1400/1500         NU1400D3C60WSBD         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         51 to 85V         Single         90 to 128         1050/1400/1500         NU1500D3C128WSD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         34 to 56V         Single         87 to 142         1000/1400/1710         NU1710D3C142WSD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         25 to 42V         Single         38 to 76         1400/1750/2100         NU1800D3C76WSD         FS3         9.50         2.40	120 to 277	64 to 107V	Single	54 to 112	500/750/875/1050	NU1050D4C112WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277         26 to 43V         Single         30 to 60         700/1050/1400         NU1400D3C60WSBD         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         51 to 85V         Single         90 to 128         1050/1400/1500         NU1500D3C128WSD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         34 to 56V         Single         61 to 91         1050/1400/1600         NU1600D3C91WSDIMF         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         50 to 83V         Single         87 to 142         1000/1400/1710         NU1710D3C142WSD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         25 to 42V         Single         38 to 76         1400/1750/2100         NU1800D3C76WSD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         24 to 40V         Single         56 to 84         1400/1750/2100         NU2100D3C84WSDD         FS3         9.50         2.40	120 to 277	25 to 42V	Single	26 to 52	620/1020/1240	NU1240D3C52WSD	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 27751 to 85VSingle90 to 1281050/1400/1500NU1500D3C128WSDFS59.502.601.602416640.5226120 to 27734 to 56VSingle61 to 911050/1400/1600NU1600D3C91WSDIMFFS39.502.401.462416137226120 to 27750 to 83VSingle87 to 1421000/1400/1710NU1710D3C142WSDFS59.502.601.602416640.5226120 to 27725 to 42VSingle38 to 761400/1750/2100NU1800D3C76WSDFS39.502.401.462416137226120 to 27723 to 54VSingle57 to 1081050/1700/2000NU2000D3C108WSDIMFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 27743 to 71VSingle75 to 1501050/1400/2100NU2100D3C84WSDFS39.502.401.462416137226120 to 27743 to 71VSingle75 to 1501050/1400/2100NU2100D3C150WSDFS59.502.601.602416640.5226120 to 277	120 to 277	26 to 43V	Single	30 to 60	700/1050/1400	NU1400D3C60WSDIM	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277         34 to 56V         Single         61 to 91         1050/1400/1600         NU1600D3C91WSDIMF         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         50 to 83V         Single         87 to 142         1000/1400/1710         NU1710D3C142WSD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         25 to 42V         Single         38 to 76         1400/1750/2100         NU1800D3C76WSD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         25 to 42V         Single         38 to 76         1400/1750/2100         NU1800D3C76WSD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         24 to 40V         Single         57 to 108         1050/1700/2000         NU2000D3C108WSDIM         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         24 to 40V         Single         56 to 84         1400/1750/2100         NU2100D3C84WSD         FS3         9.50         2.40	120 to 277	26 to 43V	Single	30 to 60	700/1050/1400	NU1400D3C60WSBD	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 27750 to 83VSingle87 to 1421000/1400/1710NU1710D3C142WSDFS59.502.601.602416640.5226120 to 27725 to 42VSingle38 to 761400/1750/2100NU1800D3C76WSDFS39.502.401.462416137226120 to 27733 to 54VSingle57 to 1081050/1700/2000NU2000D3C108WSDIMFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSDFS39.502.401.462416137226120 to 27743 to 71VSingle75 to 1501050/1400/2100NU2100D3C150WSDFS59.502.601.602416640.5226120 to 27716 to 24VSingle41 to 601700/2000/2300/2500NU2500D4C60WSDIMMU29.501.701.202414329.5226120 to 27736 to 41VSingle86 to 1112100/2500/2700NU2700D3C111WSDFS59.502.601.602416640.5226120 to 277 <td>120 to 277</td> <td>51 to 85V</td> <td>Single</td> <td>90 to 128</td> <td>1050/1400/1500</td> <td>NU1500D3C128WSD</td> <td>FS5</td> <td>9.50</td> <td>2.60</td> <td>1.60</td> <td>241</td> <td>66</td> <td>40.5</td> <td>226</td>	120 to 277	51 to 85V	Single	90 to 128	1050/1400/1500	NU1500D3C128WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 27725 to 42VSingle38 to 761400/1750/2100NU1800D3C76WSDFS39.502.401.462416137226120 to 27733 to 54VSingle57 to 1081050/1700/2000NU2000D3C108WSDIMFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSDFS39.502.401.462416137226120 to 27743 to 71VSingle75 to 1501050/1400/2100NU2100D3C150WSDFS59.502.601.602416640.5226120 to 27716 to 24VSingle41 to 601700/2000/2300/2500NU2500D4C60WSDIMMU29.501.701.202414329.5226120 to 27736 to 41VSingle86 to 1112100/2500/2700NU2700D3C111WSDFS59.502.601.602416640.5226120 to 27736 to 41VSingle86 to 1112100/2500/2700NU2700D3C111WSDFS59.502.601.602416640.5226	120 to 277	34 to 56V	Single	61 to 91	1050/1400/1600	NU1600D3C91WSDIMF	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277         33 to 54V         Single         57 to 108         1050/1700/2000         NU2000D3C108WSDIM         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         24 to 40V         Single         56 to 84         1400/1750/2100         NU2100D3C84WSBD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         24 to 40V         Single         56 to 84         1400/1750/2100         NU2100D3C84WSBD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         24 to 40V         Single         56 to 84         1400/1750/2100         NU2100D3C84WSD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         43 to 71V         Single         75 to 150         1050/1400/2100         NU2100D3C150WSD         FS5         9.50         2.60         1.60         241         64         40.5         226           120 to 277         16 to 24V         Single         41 to 60         1700/2000/2300/2500         NU2500D4C60WSDIM         MU2         9.50         1.70	120 to 277	50 to 83V	Single	87 to 142	1000/1400/1710	NU1710D3C142WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSBDFS39.502.401.462416137226120 to 27724 to 40VSingle56 to 841400/1750/2100NU2100D3C84WSDDFS39.502.401.462416137226120 to 27724 to 40VSingle75 to 1501050/1400/2100NU2100D3C150WSDFS59.502.601.602416640.5226120 to 27716 to 24VSingle41 to 601700/2000/2300/2500NU2500D4C60WSDIMMU29.501.701.202414329.5226120 to 27736 to 41VSingle86 to 1112100/2500/2700NU2700D3C111WSDFS59.502.601.602416640.5226	120 to 277	25 to 42V	Single	38 to 76	1400/1750/2100	NU1800D3C76WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277         24 to 40V         Single         56 to 84         1400/1750/2100         NU2100D3C84WSD         FS3         9.50         2.40         1.46         241         61         37         226           120 to 277         43 to 71V         Single         75 to 150         1050/1400/2100         NU2100D3C150WSD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         16 to 24V         Single         41 to 60         1700/2000/2300/2500         NU2500D4C60WSDIM         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         36 to 41V         Single         86 to 111         2100/2500/2700         NU2700D3C111WSD         FS5         9.50         1.60         241         66         40.5         226           120 to 277         36 to 41V         Single         86 to 111         2100/2500/2700         NU2700D3C111WSD         FS5         9.50         1.60         241         66         40.5         226	120 to 277	33 to 54V	Single	57 to 108	1050/1700/2000	NU2000D3C108WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277         43 to 71V         Single         75 to 150         1050/1400/2100         NU2100D3C150WSD         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         16 to 24V         Single         41 to 60         1700/2000/2300/2500         NU2500D4C60WSDIM         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         36 to 41V         Single         86 to 111         2100/2500/2700         NU2700D3C111WSD         FS5         9.50         1.60         241         66         40.5         226	120 to 277	24 to 40V	Single	56 to 84	1400/1750/2100	NU2100D3C84WSBD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277         16 to 24V         Single         41 to 60         1700/2000/2300/2500         NU2500D4C60WSDIM         MU2         9.50         1.70         1.20         241         43         29.5         226           120 to 277         36 to 41V         Single         86 to 111         2100/2500/2700         NU2700D3C111WSD         FS5         9.50         1.60         241         66         40.5         226	120 to 277	24 to 40V	Single	56 to 84	1400/1750/2100	NU2100D3C84WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277         36 to 41V         Single         86 to 111         2100/2500/2700         NU2700D3C111WSD         FS5         9.50         2.60         1.60         241         66         40.5         226	120 to 277	43 to 71V	Single	75 to 150	1050/1400/2100	NU2100D3C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
	120 to 277	16 to 24V	Single	41 to 60	1700/2000/2300/2500	NU2500D4C60WSDIM	MU2	9.50	1.70	1.20	241	43	29.5	226
120 to 277         30 to 50V         Single         50 to 150         1000/2000/3000         NU3000D3C150WSDIM         FS5         9.50         2.60         1.60         241         66         40.5         226	120 to 277	36 to 41V	Single	86 to 111	2100/2500/2700	NU2700D3C111WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
	120 to 277	30 to 50V	Single	50 to 150	1000/2000/3000	NU3000D3C150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226

 ${ar{E}}_{\!\!ighting\,ltd.}^{\!age}$ 

R20

R39

# Multi CHANNEL LED DRIVERS INDEX

#### Jan-24 R19

# Fixed Current 0 - 10V Dimming - Multi Channel

Fixed C	urrent 0 -	10V Din	nming -	Multi Chani	nel								
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	С	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	н	ML
347	20 to 33V	2	30	450	NC450C15WDLDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	20 to 33V	4	60	450	NC450C15WQDIM	FS3	9.50	2.40	1.46	241	61	37	226
347	24 to 40V	2	36	450	NC450C18WDLDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	24 to 40V	4	72	450	NC450C18WQDIM	FS3	9.50	2.40	1.46	241	61	37	226
347	25 to 42V	3	90	700	NC700C30WTDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	26 to 43V	4	32	185	NU185C8WQD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	29 to 48V	3	51	350	NU350C17WTD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	34 to 57V	4	80	350	NU350C20WQD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	16 to 27V	4	40	380	NU380C10WQD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	20 to 33V	2	30	450	NU450C15WDLDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	25 to 42V	2	38	450	NU450C19WDLD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	16 to 27V	4	48	450	NU450C12WQD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	20 to 33V	4	60	450	NU450C15WQDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	20 to 33V	4	60	450	NU450C15WQBD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	24 to 40V	2	36	450	NU450C18WDLDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24 to 40V	4	72	450	NU450C18WQDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	24 to 40V	4	72	450	NU450C18WQBD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	30 to 50V	3	75	500	NU500C25WTD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	34 to 56V	3	84	500	NU500C84WTD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	18 to 30V	2	32	350/700	NU700C21WD-D2	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	28 to 46V	2	49	350/700	NU700C32WD-D2	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	25 to 42V	3	90	700	NU700C30WTDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	25 to 42V	3	90	700	NU700C30WTBD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	27 to 46V	2	64	700	NU700C32WDLD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	32 to 54V	2	76	700	NU700C38WDLD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	34 to 57V	4	160	700	NU700C40WQD	FS7	9.50	3.75	1.77	241	95	45	226
120 to 277	19 to 32V	2	68	1050	NU1050C34WDLD	FS3	9.50	2.40	1.46	241	61	37	226

# **Fixed Current Non Dimming - Multi Channel**

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	20 to 34V	2	24	350	NC350C12WD	MC1	9.50	1.26	1.16	241	32	29	226

 $\sum_{i \not j h i i n g}^{a g e}$ tid.

# Fixed Current 0 - 10V Dimming 347V

Aug-23 R35

							<b>.</b>						
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE					IZE mr	
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	120 to 200V	Single	70	350	NC350C70WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	85 to 143V	Single	100	700	NC700C100WSD	FS3	9.50	2.40	1.46	241	61	37	226
347	128 to 214V	Single	150	700	NC700C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
347	171 to 285V	Single	200	700	NC700C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	120 to 200V	Single	200	1000	NC1000C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	86 to 143V	Single	150	1050	NC1050C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	114 to 190V	Single	200	1050	NC1050C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	69 to 115V	Single	150	1300	NC1300C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	64 to 107V	Single	150	1400	NC1400C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	86 to 143V	Single	200	1400	NC1400C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	22 to 37V	Single	56	1500	NC1500C56WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	24 to 40V	Single	60	1500	NC1500C60WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	60 to 100V	Single	150	1500	NC1500C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	50 to 83V	Single	150	1800	NC1800C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	67 to 111V	Single	200	1800	NC1800C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	24 to 40V	Single	84	2100	NC2100C84WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	43 to 71V	Single	150	2100	NC2100C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	57 to 95V	Single	200	2100	NC2100C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	26 to 43V	Single	100	2300	NC2300C100WSD	FS3	9.50	2.40	1.46	241	61	37	226
347	36 to 60V	Single	150	2500	NC2500C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	48 to 80V	Single	200	2500	NC2500C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	32 to 53V	Single	150	2800	NC2800C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	43 to 71V	Single	200	2800	NC2800C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	30 to 50V	Single	150	3000	NC3000C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	40 to 66V	Single	200	3000	NC3000C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	26 to 43V	Single	150	3500	NC3500C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
347	34 to 57V	Single	200	3500	NC3500C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226

Page Lighting ltd.

# Fixed Current 0 - 10V Dimming 120-277V

Feb-24 R67

NPUT         OUTPUT         OUTPUT         OUTPUT         SAGE         CASE         CASE         Interaction         Interac	Fixed Cu	rrent 0 - 10		y 120-21	/ <b>v</b>			rep-	-24	K0/				
120 to 277       33 to 55V       Single       17       300       NU300C17WSBD       C1B       4.56       2.48       1.18       116       63       30         120 to 277       76 to 128V       Single       18       300       NU300C18WSD       C1U       5.23       2.48       1.18       113       63       30       123         120 to 277       76 to 128V       Single       20       325       NU32SC20WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       36 to 60V       Single       6.6       350       NU350C2WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       51 to 85V       Single       30       350       NU350C3WSDIM       C48       6.50       2.87       1.18       165       73       30       149         120 to 277       65 to 143V       Single       60       350       NU350C3WSDIM       C48       6.50       2.87       1.18       165       73       30       149         120 to 277       60 to 140       Single       112       400       NU400C12WSDWSD       6.50       2.87	INPUT		OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
120 to 277       36 to 60V       Single       18       350       NU300C38WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       56 to 60V       Single       39       300       NU330C38WSD       MU2       9.50       1.70       1.20       241       43.0       25.25       256         120 to 277       51 to 66V       Single       6.6       350       NU350C26WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       51 to 85V       Single       30       350       NU350C36WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       68 to 143V       Single       50       350       NU350C60WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       170 to 280V       Single       30       450       NU450C30WSDIM       C48       6.50       2.87       1.18       155       73       30       149         120 to 277       67 to 111V       Single       30       450       NU450C30WSDIM <t< td=""><td>VOLTAGE</td><td>VOLTAGE</td><td>CIRCUIT</td><td>WATTS</td><td>CURRENT mA</td><td>Model Number</td><td>SERIES</td><td>L</td><td>W</td><td>Н</td><td>L</td><td>W</td><td>Н</td><td>ML</td></t<>	VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277       76 to 128V       Single       39       300       NU300C39WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       35 to 60V       Single       20       325       NU325C20WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       43 to 72V       Single       6.6       350       NU350C3WSDIM       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       51 to 85V       Single       30       350       NU350C40WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       61 to 14V       Single       60       350       NU350C60WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       103 to 171V       Single       60       350       NU450C40WSDIM       C4S       6.50       2.87       1.18       155       73       30       149         120 to 277       60 to 66V       Single       30       450       NU450C40WSDIM       C4S <td>120 to 277</td> <td>33 to 55V</td> <td>Single</td> <td>17</td> <td>300</td> <td>NU300C17WSBD</td> <td>C1B</td> <td>4.56</td> <td>2.48</td> <td>1.18</td> <td>116</td> <td>63</td> <td>30</td> <td></td>	120 to 277	33 to 55V	Single	17	300	NU300C17WSBD	C1B	4.56	2.48	1.18	116	63	30	
120 to 277       36 to 60V       Single       20       325       NU325C20WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       12 to 19V       Single       25       350       NU350C3WSDM       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       51 to 55V       Single       30       350       NU350C3WSDM       MU2       9.50       1.70       1.20       244       1.18       133       63       30       123         120 to 277       68 to 143V       Single       40       350       NU350C30WSDIM       MU2       9.50       1.70       1.20       241       4.30       25.5       2.52         120 to 277       103 to 171V       Single       50       350       NU350C30WSDIM       MU2       9.50       1.70       1.20       241       4.30       25.5       2.52         120 to 277       101 to 66V       Single       30       449       1.40       1.46       241       61       37       20       149         120 to 277       101 to 66V       Single       30       4450       NU450C30WSD       FS3	120 to 277	36 to 60V	Single	18	350	NU300C18WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277       12 to 19V       Single       6.6       350       NU350C6WSDIM       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       43 to 72V       Single       25       350       NU350C3WSDIM       MU2       9.50       1.70       1.20       221       43.0       29.5       226         120 to 277       68 to 143V       Single       50       350       NU350C3WSDIM       MU2       9.50       1.70       1.20       221       43.0       29.5       226         120 to 277       68 to 143V       Single       50       350       NU350C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       103 to 71/V       Single       60       350       NU450C30WSDI       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       70 to 280V       Single       40       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       70 to 111V       Single       50       NU450C30WSDI       C4S	120 to 277	76 to 128V	Single	39	300	NU300C39WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277       43 to 72V       Single       25       350       NU350C25WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       51 to 85V       Single       30       350       NU350C30WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       68 to 144V       Single       50       350       NU350C50WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       13 to 171V       Single       60       350       NU350C50WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       103 to 171V       Single       60       350       NU450C30WSD       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       70 to 140       Single       50       450       NU450C30WSD       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       80 to 133V       Single       75       450       NU450C30WSD       C4S </td <td>120 to 277</td> <td>36 to 60V</td> <td>Single</td> <td>20</td> <td>325</td> <td>NU325C20WSD</td> <td>C1U</td> <td>5.23</td> <td>2.48</td> <td>1.18</td> <td>133</td> <td>63</td> <td>30</td> <td>123</td>	120 to 277	36 to 60V	Single	20	325	NU325C20WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277       51 to 85V       Single       30       350       NU350C30WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       68 to 114V       Single       50       350       NU350C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       163 to 143V       Single       60       350       NU350C60WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       103 to 171V       Single       112       400       NU400C112WSD       FS3       9.50       2.40       1.46       241       43.0       29.5       226         120 to 277       70 to 280V       Single       30       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       70 to 130V       Single       60       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       163       30       120         120 to 277       76 to 111V       Single       75       450       NU450C30WSDIM       C4S	120 to 277	12 to 19V	Single	6.6	350	NU350C6WSDIM	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277       68 to 114V       Single       40       350       NU350C40WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       86 to 143V       Single       50       350       NU350C50WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       103 to 711V       Single       60       350       NU350C50WSDIM       MU2       4.01       4.14       61       37       226         120 to 277       103 to 711V       Single       112       400       NU450C30WSD       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       53 to 89V       Single       40       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       100 to 166V       Single       75       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       163       30       123         120 to 277       36 to 60V       Single       75       450       NU450C40WSD       MU2       9.50       1.70       1.2	120 to 277	43 to 72V	Single	25	350	NU350C25WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277       86 to 143V       Single       50       350       NU350C50WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       103 to 171V       Single       60       350       NU350C50WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       40 to 66V       Single       112       400       NU400C112WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       40 to 66V       Single       40       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       76 to 111V       Single       50       450       NU450C50WSDIM       C4S       6.50       2.87       1.18       153       50       149         120 to 277       36 to 60V       Single       30       500       NU500C30WSD       FS1       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       46 to 77V       Single       30       500       NU500C4WSD       MU2       9.	120 to 277	51 to 85V	Single	30	350	NU350C30WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277       103 to 171V       Single       60       350       NU350C60WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       170 to 280V       Single       112       400       NU450C30WSD       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       57 to 111V       Single       50       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       67 to 111V       Single       50       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       67 to 111V       Single       60       450       NU450C40WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       36 to 60V       Single       30       500       NU500C44WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       46 to 77V       Single       40       520       NU50C44WSD       <	120 to 277	68 to 114V	Single	40	350	NU350C40WSDIM	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277       170 to 280V       Single       112       400       NU400C112WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       40 to 66V       Single       30       450       NU450C30WSD       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       53 to 89V       Single       60       450       NU450C30WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       50 to 133V       Single       60       450       NU450C60WSDIM       MU2       9.50       1.70       1.20       241       4.30       29.5       226         120 to 277       100 to 166V       Single       30       500       NU500C30WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       52 to 88V       Single       40       520       NU520C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       74 to 7V       Single       40       550       NU520C40WSD       C1U	120 to 277	86 to 143V	Single	50	350	NU350C50WSDIM	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277       40 to 66V       Single       30       450       NU450C30WSD       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       53 to 89V       Single       40       450       NU450C40WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       67 to 111V       Single       60       450       NU450C50WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       60 to 133V       Single       60       450       NU450C50WSDI       FS3       9.50       2.40       1.45       241       43.0       29.5       226         120 to 277       36 to 60V       Single       30       500       NU500C30WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       40       520       NU520C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       150       530       NU530C150WSD       FS4	120 to 277	103 to 171V	Single	60	350	NU350C60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277       53 to 89V       Single       40       450       NU450C40WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       67 to 111V       Single       50       450       NU450C50WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       67 to 111V       Single       60       450       NU450C50WSDIM       MU2       9.50       1.70       1.20       244       43.0       29.5       226         120 to 277       100 to 166V       Single       75       450       NU4500C40WSD       MU2       9.50       1.70       1.20       244       43.0       29.5       226         120 to 277       50 to 60V       Single       40       520       NU520C40WSD       MU2       9.50       1.70       1.20       244       43.0       29.5       226         120 to 277       46 to 77V       Single       40       530       NU530C150WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       170 to 283V       Single       150       530       NU580C180WSD	120 to 277	170 to 280V	Single	112	400	NU400C112WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277       67 to 111V       Single       50       450       NU450C50WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       80 to 133V       Single       60       450       NU450C75WSD       FS3       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       36 to 60V       Single       75       450       NU450C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       36 to 60V       Single       44       500       NU500C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       40       520       NU520C40WSD       C1U       5.22       2.48       1.18       133       63       30       123         120 to 277       47 to 77V       Single       40       550       NU550C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       170 to 283V       Single       73       580       NU560C40WSD       C1U	120 to 277	40 to 66V	Single	30	450	NU450C30WSD	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277       80 to 133V       Single       60       450       NU450C60WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       100 to 166V       Single       75       450       NU450C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       36 to 60V       Single       30       500       NU500C30WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       40       520       NU520C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       40       530       NU520C40WSD       C1B       4.56       2.48       1.18       133       63       30       123         120 to 277       170 to 283V       Single       150       530       NU520C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       170 to 283V       Single       73       580       NU580C73WSD       FS4	120 to 277	53 to 89V	Single	40	450	NU450C40WSDIM	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277       100 to 166V       Single       75       450       NU450C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       36 to 60V       Single       30       500       NU500C30WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       52 to 88V       Single       44       500       NU500C44WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       46 to 77V       Single       40       530       NU520C40WSBD       C1B       4.56       2.48       1.18       113       63       30       123         120 to 277       170 to 283V       Single       40       550       NU530C150WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       75 to 125V       Single       73       580       NU580C73WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       15 to 125V       Single       73       580       NU600C180WSD       FS5 <td>120 to 277</td> <td>67 to 111V</td> <td>Single</td> <td>50</td> <td>450</td> <td>NU450C50WSDIM</td> <td>C4S</td> <td>6.50</td> <td>2.87</td> <td>1.18</td> <td>165</td> <td>73</td> <td>30</td> <td>149</td>	120 to 277	67 to 111V	Single	50	450	NU450C50WSDIM	C4S	6.50	2.87	1.18	165	73	30	149
12 to 277       36 to 60V       Single       30       500       NU500C30WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       52 to 88V       Single       44       500       NU500C44WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       46 to 77V       Single       40       520       NU520C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       40       530       NU520C40WSD       C1B       4.56       2.48       1.18       133       63       30       123         120 to 277       170 to 283V       Single       150       530       NU550C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       75 to 125V       Single       73       580       NU560C30WSD       FS4       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       15 to 125V       Single       12       700       NU700C120WSDF       C1U	120 to 277	80 to 133V	Single	60	450	NU450C60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277       52 to 88V       Single       44       500       NU500C44WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       46 to 77V       Single       40       520       NU520C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       40       530       NU520C40WSDD       C1B       4.56       2.48       1.18       116       63       30       123         120 to 277       46 to 77V       Single       40       550       NU530C150WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       43 to 72V       Single       73       580       NU580C73WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       75 to 125V       Single       12       700       NU700C12WSDF       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       21 to 6277       Single       30       700       NU700C2WSDSD       MU2	120 to 277	100 to 166V	Single	75	450	NU450C75WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277       46 to 77V       Single       40       520       NU520C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       46 to 77V       Single       40       530       NU520C40WSBD       C1B       4.56       2.48       1.18       116       63       30       123         120 to 277       46 to 77V       Single       150       530       NU530C150WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       43 to 72V       Single       40       550       NU550C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       75 to 125V       Single       73       580       NU580C73WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       16 to 277V       Single       12       700       NU700C12WSDF       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       25 to 42V       Single       25       700       NU700C2WSDF       C1U	120 to 277	36 to 60V	Single	30	500	NU500C30WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277       46 to 77V       Single       40       530       NU520C40WSBD       C1B       4.56       2.48       1.18       116       63       30         120 to 277       170 to 283V       Single       150       530       NU530C150WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       43 to 72V       Single       40       550       NU550C40WSD       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       75 to 125V       Single       73       580       NU580C73WSD       MU2       9.50       1.00       241       43.0       29.5       226         120 to 277       16 to 277V       Single       12       700       NU700C12WSDF       C1U       5.23       2.48       1.18       133       63       30       123         120 to 277       11 to 17V       Single       25       700       NU700C25WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       25 to 42V       Single       30       700       NU700C3WSDIM       MU2       9.50       1.70 <td>120 to 277</td> <td>52 to 88V</td> <td>Single</td> <td>44</td> <td>500</td> <td>NU500C44WSD</td> <td>MU2</td> <td>9.50</td> <td>1.70</td> <td>1.20</td> <td>241</td> <td>43.0</td> <td>29.5</td> <td>226</td>	120 to 277	52 to 88V	Single	44	500	NU500C44WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277170 to 283VSingle150530NU530C150WSDFS49.502.401.572416140226120 to 27743 to 72VSingle40550NU550C40WSDC1U5.232.481.181336330123120 to 27775 to 125VSingle73580NU580C73WSDMU29.501.701.2024143.029.52.26120 to 277166 to 277VSingle180650NU650C180WSDFS59.502.601.602416640.5226120 to 27711 to 17VSingle12700NU700C12WSDFC1U5.232.481.181336330123120 to 27722 to 36VSingle25700NU700C25WSDMU29.501.701.2024143.029.52.66120 to 27725 to 42VSingle30700NU700C30WSDIMMU29.501.701.2024143.029.52.66120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.52.66120 to 27760 to 86VSingle60700NU700C42WSDIMC4S6.502.871.181657330149120 to 27764 to 107VSingle75700NU700C70WSDIMMU29.501.701.2024143.029.5 <td>120 to 277</td> <td>46 to 77V</td> <td>Single</td> <td>40</td> <td>520</td> <td>NU520C40WSD</td> <td>C1U</td> <td>5.23</td> <td>2.48</td> <td>1.18</td> <td>133</td> <td>63</td> <td>30</td> <td>123</td>	120 to 277	46 to 77V	Single	40	520	NU520C40WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 27743 to 72VSingle40550NU550C40WSDC1U5.232.481.181336330123120 to 27775 to 125VSingle73580NU580C73WSDMU29.501.701.2024143.029.5226120 to 277166 to 277VSingle180650NU650C180WSDFS59.502.601.602416640.5226120 to 27711 to 17VSingle12700NU700C12WSDFC1U5.232.481.181336330123120 to 27722 to 36VSingle25700NU700C25WSDMU29.501.701.2024143.029.5226120 to 27725 to 42VSingle30700NU700C30WSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27760 to 86VSingle60700NU700C42WSDIMC4S6.502.871.181657330149120 to 27764 to 107VSingle75700NU700C10WSDIMMU29.501.701.2024143.029.5	120 to 277	46 to 77V	Single	40	530	NU520C40WSBD	C1B	4.56	2.48	1.18	116	63	30	
120 to 27775 to 125VSingle73580NU580C73WSDMU29.501.701.2024143.029.5226120 to 277166 to 277VSingle180650NU650C180WSDFS59.502.601.602416640.5226120 to 27711 to 17VSingle12700NU700C12WSDFC1U5.232.481.181336330123120 to 27722 to 36VSingle25700NU700C25WSDMU29.501.701.2024143.029.5226120 to 27725 to 42VSingle30700NU700C30WSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WSDIMMU29.501.701.2024143.029.5226120 to 27760 to 86VSingle60700NU700C42WSDIMMU29.501.701.2024143.029.5226120 to 27764 to 107VSingle75700NU700C60WSDMU29.501.701.2024143.029.5226120 to 27764 to 107VSingle75700NU700C10WSDIMMU29.501.701.2024143.02	120 to 277	170 to 283V	Single	150	530	NU530C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277166 to 277VSingle180650NU650C180WSDFS59.502.601.602416640.5226120 to 27711 to 17VSingle12700NU700C12WSDFC1U5.232.481.181336330123120 to 27722 to 36VSingle25700NU700C25WSDMU29.501.701.2024143.029.5226120 to 27725 to 42VSingle30700NU700C30WSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle60700NU700C42WSDIMC4S6.502.871.181657330149120 to 27760 to 86VSingle100700NU700C100WSDIMU29.501.701.2024143.029.5226120 to 27785 to 143VSingle100700NU700C100WSDIMMU29.501.701.2024143.029.5226120 to 277128 to 214VSingle150700NU700C100WSDIMMU29.501.701.2024143.0 <td>120 to 277</td> <td>43 to 72V</td> <td>Single</td> <td>40</td> <td>550</td> <td>NU550C40WSD</td> <td>C1U</td> <td>5.23</td> <td>2.48</td> <td>1.18</td> <td>133</td> <td>63</td> <td>30</td> <td>123</td>	120 to 277	43 to 72V	Single	40	550	NU550C40WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 27711 to 17VSingle12700NU700C12WSDFC1U5.232.481.181336330123120 to 27722 to 36VSingle25700NU700C25WSDMU29.501.701.2024143.029.5226120 to 27725 to 42VSingle30700NU700C30WSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WSDIMC4S6.502.871.181657330149120 to 27760 to 86VSingle60700NU700C60WSDMU29.501.701.2024143.029.5226120 to 27764 to 107VSingle75700NU700C10WSDIMMU29.501.701.2024143.029.5226120 to 27785 to 143VSingle100700NU700C10WSDIMMU29.501.701.2024143.029.5226120 to 277128 to 214VSingle150700NU700C10WSDIMFS49.502.401.57241614	120 to 277	75 to 125V	Single	73	580	NU580C73WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277       22 to 36V       Single       25       700       NU700C25WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       25 to 42V       Single       30       700       NU700C30WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       25 to 42V       Single       42       700       NU700C42WRSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       36 to 60V       Single       42       700       NU700C42WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       36 to 60V       Single       60       700       NU700C42WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       60 to 86V       Single       75       700       NU700C10WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       85 to 143V       Single       100       700       NU700C10WSDIM	120 to 277	166 to 277V	Single	180	650	NU650C180WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 27725 to 42VSingle30700NU700C30WSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WRSDIMC4S6.502.871.181657330149120 to 27760 to 86VSingle60700NU700C60WSDMU29.501.701.2024143.029.5226120 to 27764 to 107VSingle75700NU700C75WSDFS39.502.401.462416137226120 to 27785 to 143VSingle100700NU700C100WSDIMMU29.501.701.2024143.029.5226120 to 277103 to 171VSingle120700NU700C100WSDIMMU29.501.701.2024143.029.5226120 to 277103 to 171VSingle120700NU700C100WSDIMMU29.501.701.2024143.029.5226120 to 277128 to 214VSingle150700NU700C120WSDFS49.502.401.572416140226120 to 277171 to 285VSingle200700NU700C200WSDIMFS59.502.601.6024166<	120 to 277	11 to 17V	Single	12	700	NU700C12WSDF	C1U	5.23	2.48	1.18	133	63	30	123
120 to 27736 to 60VSingle42700NU700C42WRSDIMMU29.501.701.2024143.029.5226120 to 27736 to 60VSingle42700NU700C42WSDIMC4S6.502.871.181657330149120 to 27760 to 86VSingle60700NU700C42WSDIMC4S6.502.871.181657330149120 to 27760 to 86VSingle60700NU700C60WSDMU29.501.701.2024143.029.5226120 to 27764 to 107VSingle75700NU700C75WSDFS39.502.401.462416137226120 to 27785 to 143VSingle100700NU700C100WSDIMMU29.501.701.2024143.029.5226120 to 277103 to 171VSingle120700NU700C100WSDIMMU29.501.701.2024143.029.5226120 to 277128 to 214VSingle150700NU700C120WSDFS49.502.401.572416140226120 to 277171 to 285VSingle200700NU700C200WSDIMFS59.502.601.602416640.5226120 to 277171 to 285VSingle34800NU800C34WSBDMU29.501.701.462416137	120 to 277	22 to 36V	Single	25	700	NU700C25WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277       36 to 60V       Single       42       700       NU700C42WSDIM       C4S       6.50       2.87       1.18       165       73       30       149         120 to 277       60 to 86V       Single       60       700       NU700C60WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       64 to 107V       Single       75       700       NU700C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       85 to 143V       Single       100       700       NU700C100WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       85 to 143V       Single       100       700       NU700C100WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       103 to 171V       Single       120       700       NU700C120WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       128 to 214V       Single       150       700       NU700C200WSDIM	120 to 277	25 to 42V	Single	30	700	NU700C30WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 27760 to 86VSingle60700NU700C60WSDMU29.501.701.2024143.029.5226120 to 27764 to 107VSingle75700NU700C75WSDFS39.502.401.462416137226120 to 27785 to 143VSingle100700NU700C100WSDIMMU29.501.701.2024143.029.5226120 to 277103 to 171VSingle120700NU700C120WSDFS49.502.401.572416140226120 to 277128 to 214VSingle150700NU700C150WSDIMFS49.502.401.572416140226120 to 277171 to 285VSingle200700NU700C200WSDIMFS59.502.601.602416640.5226120 to 27725 to 42VSingle34800NU800C34WSDMU29.501.701.2024143.029.5226120 to 27725 to 42VSingle34800NU800C34WSBDFS39.502.401.462416137226120 to 27725 to 42VSingle34800NU800C34WSBDFS39.502.401.462416137226120 to 27725 to 42VSingle34800NU800C34WSBDFS39.502.401.46241613722	120 to 277	36 to 60V	Single	42	700	NU700C42WRSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277       64 to 107V       Single       75       700       NU700C75WSD       FS3       9.50       2.40       1.46       241       61       37       226         120 to 277       85 to 143V       Single       100       700       NU700C100WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       103 to 171V       Single       120       700       NU700C120WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       128 to 214V       Single       150       700       NU700C150WSDIM       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       128 to 214V       Single       150       700       NU700C150WSDIM       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       171 to 285V       Single       200       700       NU700C200WSDIM       FS5       9.50       2.60       1.60       241       66       40.5       226         120 to 277       25 to 42V       Single       34       800       NU800C34WSBD	120 to 277	36 to 60V	Single	42	700	NU700C42WSDIM	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277       85 to 143V       Single       100       700       NU700C100WSDIM       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       103 to 171V       Single       120       700       NU700C120WSD       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       128 to 214V       Single       150       700       NU700C150WSDIM       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       128 to 214V       Single       150       700       NU700C150WSDIM       FS4       9.50       2.40       1.57       241       61       40       226         120 to 277       171 to 285V       Single       200       700       NU700C200WSDIM       FS5       9.50       2.60       1.60       241       66       40.5       226         120 to 277       25 to 42V       Single       34       800       NU800C34WSD       MU2       9.50       1.70       1.20       241       43.0       29.5       226         120 to 277       25 to 42V       Single       34       800       NU800C34WSBD </td <td>120 to 277</td> <td>60 to 86V</td> <td>Single</td> <td>60</td> <td>700</td> <td>NU700C60WSD</td> <td>MU2</td> <td>9.50</td> <td>1.70</td> <td>1.20</td> <td>241</td> <td>43.0</td> <td>29.5</td> <td>226</td>	120 to 277	60 to 86V	Single	60	700	NU700C60WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277103 to 171VSingle120700NU700C120WSDFS49.502.401.572416140226120 to 277128 to 214VSingle150700NU700C150WSDIMFS49.502.401.572416140226120 to 277171 to 285VSingle200700NU700C200WSDIMFS59.502.601.602416640.5226120 to 27725 to 42VSingle34800NU800C34WSDMU29.501.701.2024143.029.5226120 to 27725 to 42VSingle34800NU800C34WSBDFS39.502.401.462416137226	120 to 277	64 to 107V	Single	75	700	NU700C75WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277128 to 214VSingle150700NU700C150WSDIMFS49.502.401.572416140226120 to 277171 to 285VSingle200700NU700C200WSDIMFS59.502.601.602416640.5226120 to 27725 to 42VSingle34800NU800C34WSDMU29.501.701.2024143.029.5226120 to 27725 to 42VSingle34800NU800C34WSBDFS39.502.401.462416137226	120 to 277	85 to 143V	Single	100	700	NU700C100WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277         171 to 285V         Single         200         700         NU700C200WSDIM         FS5         9.50         2.60         1.60         241         66         40.5         226           120 to 277         25 to 42V         Single         34         800         NU800C34WSD         MU2         9.50         1.70         1.20         241         43.0         29.5         226           120 to 277         25 to 42V         Single         34         800         NU800C34WSBD         FS3         9.50         2.40         1.46         241         61         37         226	120 to 277	103 to 171V	Single	120	700	NU700C120WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277         25 to 42V         Single         34         800         NU800C34WSD         MU2         9.50         1.70         1.20         241         43.0         29.5         226           120 to 277         25 to 42V         Single         34         800         NU800C34WSBD         FS3         9.50         1.46         241         61         37         226	120 to 277	128 to 214V	Single	150	700	NU700C150WSDIM	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277         25 to 42V         Single         34         800         NU800C34WSBD         FS3         9.50         2.40         1.46         241         61         37         226	120 to 277	171 to 285V	Single	200	700	NU700C200WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
	120 to 277	25 to 42V	Single	34	800	NU800C34WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
	120 to 277	25 to 42V	Single	34	800	NU800C34WSBD	FS3	9.50	2.40	1.46	241	61	37	226
	120 to 277	48 to 80V	Single	72	900	NU900C72WSD	FS3	9.50	2.40	1.46	241	61	37	226

TEL: 604-904-9533

www.sagedrivers.com www.sagelighting.com

Eighting ttd.

# Fixed Current 0 - 10V Dimming 120-277V

Feb-24 R58

	urrent o -		inning	120-2778		FeD-24	ROO						
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	С	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	120 to 200V	Single	200	1000	NU1000C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	9 to 13V	Single	14	1050	NU1050C14WSD	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277	34 to 57V	Single	60	1050	NU1050C60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	39 to 65V	Single	62	1050	NU1050C62WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	48 to 80V	Single	84	1050	NU1050C84WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	58 to 96V	Single	100	1050	NU1050C100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	86 to 143V	Single	150	1050	NU1050C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	24 to 40V	Single	44	1100	NU1100C44WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	70 to 96V	Single	115	1200	NU1200C115WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	25 to 42V	Single	52	1240	NU1240C52WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	7 to 12V	Single	15	1260	NU1260C15WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	69 to 115V	Single	150	1300	NU1300C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	22 to 37V	Single	52	1400	NU1400C52WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	26 to 43V	Single	60	1400	NU1400C60WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	64 to 107V	Single	150	1400	NU1400C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	86 to 143V	Single	200	1400	NU1400C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	15 to 24V	Single	36	1500	NU1500C36WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	16 to 26V	Single	39	1500	NU1500C39WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	24 to 40V	Single	60	1500	NU1500C60WRSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	31 to 52V	Single	78	1500	NU1500C78WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	60 to 100V	Single	150	1500	NU1500C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	21 to 36V	Single	58	1600	NU1600C58WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	25 to 42V	Single	67	1600	NU1600C67WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	40 to 58V	Single	91	1600	NU1600C91WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	24 to 40V	Single	65	1630	NU1630C65WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	26 to 44V	Single	75	1700	NU1700C75WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	16 to 27V	Single	48	1750	NU1750C48WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	29 to 48V	Single	84	1750	NU1750C91WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	14 to 24V	Single	43	1800	NU1800C43WSD	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	14 to 24V	Single	43	1800	NU1800C43WSDE13	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	50 to 83V	Single	150	1800	NU1800C150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	67 to 110V	Single	200	1800	NU1800C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	25 to 42V	Single	80	1900	NU1900C80WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	15 to 24V	Single	48	2000	NU2000C48WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	25 to 42V	Single	84	2000	NU2000C84WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	25 to 42V	Single	84	2000	NU2000C84WSBD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	33 to 54V	Single	108	2000	NU2000C108WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	33 to 54V	Single	108	2000	NU2000C108WSBD	FS3	9.50	2.40	1.46	241	61	37	226
	33 to 55V	Single	110	1									226

 ${ar{E}}_{\!\!\!ighting\,ltd.}$ 

# Fixed Current 0 - 10V Dimming 120-277V

Jan-24

R56

I INEU C	unent o -		iiiiiig	120-277 V		Juli 24		1130					
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	С	ASE S	ZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120 to 277	15 to 24V	Single	50	2100	NU2100C50WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24 to 40V	Single	84	2100	NU2100C84WSDF	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24 to 40V	Single	84	2100	NU2100C84WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	24 to 40V	Single	84	2100	NU2100C84WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	25 to 42V	Single	88	2100	NU2100C88WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	43 to 71V	Single	150	2100	NU2100C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	57 to 95V	Single	200	2100	NU2100C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	27 to 45V	Single	100	2200	NU2200C100WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24 to 40V	Single	96	2400	NU2400C96WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	30 to 50V	Single	120	2400	NU2400C120WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	12 to 20V	Single	50	2500	NU2500C50WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	16 to 24V	Single	60	2500	NU2500C60WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	48 to 80V	Single	200	2500	NU2500C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	22 to 38V	Single	98	2600	NU2600C98WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	14 to 24V	Single	67	2800	NU2800C67WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	32 to 54V	Single	96	2800	NU2800C96WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	25 to 43V	Single	120	2800	NU2800C120WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	32 to 54V	Single	150	2800	NU2800C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	43 to 71V	Single	200	2800	NU2800C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	15 to 24V	Single	72	3000	NU3000C72WSD	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	30 to 50V	Single	150	3000	NU3000C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	40 to 66V	Single	200	3000	NU3000C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	29 to 48V	Single	150	3150	NU3150C150WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	14 to 23V	Single	75	3260	NU3260C75WSD	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	27 to 45V	Single	150	3300	NU3300C150WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	21 to 34V	Single	120	3500	NU3500C120WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	34 to 47V	Single	200	3500	NU3500C200WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	22 to 36V	Single	136	3800	NU3800C136WSD	FS4	9.50	2.40	1.57	241	61	40	226
120 to 277	30 to 50V	Single	210	4200	NU4200C210WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	32 to 54V	Single	240	4500	NU4500C240WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	29 to 48V	Single	210	5000	NU5000C210WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	29 to 48V	Single	240	5000	NU5000C240WSD	FS5	9.50	2.60	1.60	241	66	40.5	226
											• •		<u>ا                                     </u>

 ${ar{E}}_{\!\!\!ighting}$  (td.

# **Fixed Current Non Dimming**

Oct-23

R44

Fixed C			ing										
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mn	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Η	L	W	Η	ML
120 to 277	79 to 131V	Single	34	260	NU260C34WS	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	18 to 30V	Single	9	300	NU300C9WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	36 to 60V	Single	18	350	NU300C18WS	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	105 to 175V	Single	53	300	NU300C53WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	20 to 34V	Single	10.5	310	NU310C10WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	9 to 14V	Single	5	350	NU350C5WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	14 to 23V	Single	8	350	NU350C8WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	20 to 34V	Single	12	350	NU350C12WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	14 to 24V	Single	11	450	NU450C11WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	24 to 40V	Single	18	450	NU450C18WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	6 to 10V	Single	5	500	NU500C5WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	15 to 24V	Single	12	500	NU500C12WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	22 to 36V	Single	18	500	NU500C18WS	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	24 to 40V	Single	24	600	NU600C24WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	34 to 57V	Single	34	600	NU600C34WS	C1U	5.23	2.48	1.18	133	63	30	123
120 to 277	2 to 4V	Single	3	700	NU700C3WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	5 to 7V	Single	5	700	NU700C5WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	6 to 10V	Single	7	700	NU700C7WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	8 to 13V	Single	9	700	NU700C9WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	11 to 17V	Single	12	700	NU700C12WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	15 to 24V	Single	17	700	NU700C17WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	17 to 28V	Single	20	700	NU700C20WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	36 to 60V	Single	42	700	NU700C42WS	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277	43 to 71V	Single	50	700	NU700C50WRS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	43 to 71V	Single	50	700	NU700C50WS	C4S	6.50	2.87	1.18	165	73	30	149
120 to 277	8 to 14V	Single	12.6	900	NU900C13WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	3 to 5V	Single	5	1050	NU1050C5WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	7 to 11V	Single	12	1050	NU1050C12WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	86 to 144V	Single	158	1100	NU1100C158WS	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	27 to 45V	Single	90	2000	NU2000C90WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	15 to 25V	Single	79	3150	NU3150C79WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	29 to 48V	Single	187	3900	NU3900C187WS	FS5	9.50	2.60	1.60	241	66	40.5	226
	1	·		1	L								ا ــــــــــــــــــــــــــــــــــــ

 ${ar{E}}_{\!\!\!ighting\,ltd.}$ 

# CONSTANT VOLTAGE LED DRIVERS INDEX

Consta	nt Voltage	<b>0-10V</b>	Dimm	ing		Dec-22		R26					
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	12V	Single	60	0.5-5A	NC12V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	12V	Single	100	8.33A	NC12V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
347	12V	Single	150	12.50A	NC12V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
347	24V	Single	60	2.5A	NC24V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	24V	Single	100	4.1A	NC24V100WSDIM-E9L	E9L	15.50	1.50	1.14	395	38	29.5	387
347	24V	Single	100	4.1A	NC24V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
347	24V	Single	150	6.25A	NC24V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
347	36V	Single	60	1.66A	NC36V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	36V	Single	100	2.7A	NC36V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
347	36V	Single	150	4.16A	NC36V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
347	48V	Single	60	1.25A	NC48V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
347	48V	Single	100	2.08A	NC48V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
347	48V	Single	150	3.12A	NC48V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	12V	Single	25	2.08A	NU12V25WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	12V	Single	60	0.5-5A	NU12V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	12V	Single	100	8.33A	NU12V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	12V	Single	150	12.50A	NU12V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	24V	Single	25	1.04A	NU24V25WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24V	Single	60	2.5A	NU24V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24V	Single	100	4.1A	NU24V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	24V	Single	150	6.25A	NU24V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	36V	Single	60	1.66A	NU36V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	36V	Single	100	2.7A	NU36V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	36V	Single	150	4.16A	NU36V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226
120 to 277	48V	Single	60	1.25A	NU48V60WSDIM	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	48V	Single	100	2.08A	NU48V100WSDIM	FS3	9.50	2.40	1.46	241	61	37	226
120 to 277	48V	Single	150	3.12A	NU48V150WSDIM	FS5	9.50	2.60	1.60	241	66	40.5	226

Consta													
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
347	12V	Single	20	1.66A	NC12V20WSM	D2	4.21	1.42	1.14	107	36	29	99
347	24V	Single	100	4.1A	NC24V100WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	12V	Single	12	1.0A	NU12V12WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	12V	Single	20	1.66A	NU12V20WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	12V	Single	25	2.08A	NU12V25WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	12V	Single	60	5A	NU12V60WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24V	Single	12	0.5	NU24V12WSM	D2	4.21	1.42	1.14	107	36	29	99
120 to 277	24V	Single	25	1.04A	NU24V25WSB	C2B	4.90	2.50	1.14	125	64	29	114
120 to 277	24V	Single	25	1.04A	NU24V25WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24V	Single	50	2.1A	NU24V50WS	C2S	6.80	2.40	1.23	174	61	31	158
120 to 277	24V	Single	60	2.5A	NU24V60WS	MU2	9.50	1.70	1.20	241	43.0	29.5	226
120 to 277	24V	Single	100	4.1A	NU24V100WS-E9L	E9L	15.50	1.50	1.14	395	38	29.5	387
120 to 277	36V	Single	12	0.33A	NU36V12WSM	D2	4.21	1.42	1.14	107	36	29	99

 ${ar{E}}_{\!\!\!\!ighting\,ltd.}^{\!\!\!age}$ 

# AC TRIAC LED DRIVERS LEADING & TRAILING EDGE COMPATIBLE DIMMING INDEX

Jan-24 R32

# Fixed Current Triac Leading & Trailing Edge Dimming 120V

				<b>J</b>	ge Dinning	1200							
INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE					IZE mr	-
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
120	25 to 36V	Single	6.5	180	TO180C6.5WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	17 to 24V	Single	4.8	200	TO200C5WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	30 to 42V	Single	9	220	TO220C9WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	25 to 36V	Single	11	300	TO300C11WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	27 to 39V	Single	13	330	TO330C13WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	22 to 31V	Single	11	350	TO350C11WSM	C1U	5.23	2.48	1.18	133	63	30	123
120	24 to 34V	Single	12	350	TO350C12WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	30 to 43V	Single	15	350	TO350C15WSM	C1U	5.23	2.48	1.18	133	63	30	123
120	29 to 42V	Single	15	350	TO350C15WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	36 to 51V	Single	18	350	TO350C18WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	42 to 60V	Single	21	350	TO350C21WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	50 to 71V	Single	25	350	TO350C25WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	35 to 50V	Single	21	420	TO420C21WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	29 to 42V	Single	19	460	TO460C19WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	26 to 38V	Single	18	470	TO470C18WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	25 to 36V	Single	18	500	TO500C18WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	35 to 50V	Single	25	500	TO500C25WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	12 to 18V	Single	10	600	TO600C10WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	21 to 30V	Single	18	600	TO600C18WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	27 to 39V	Single	23	600	TO600C23WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	35 to 50V	Single	30	600	TO600C30WS	P2	4.33	1.77	1.10	110	45	28	104
120	40 to 57V	Single	34	600	TO600C34WS	P2	4.33	1.77	1.10	110	45	28	104
120	25 to 36V	Single	22	610	TO610C22WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	10 to 14V	Single	10	700	T0700C10WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	15 to 21V	Single	15	700	T0700C15WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	17 to 25V	Single	18	700	T0700C18WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	25 to 36V	Single	25	700	T0700C25WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	35 to 50V	Single	35	700	T0700C35WS	P2	4.33	1.77	1.10	110	45	28	104
120	24 to 35V	Single	30	870	T0870C30WS	P2	4.33	1.77	1.10	110	45	28	104
120	8 to 12V	Single	10	900	TO900C10WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	24 to 34V	Single	34	1000	TO1000C34WS	P2	4.33	1.77	1.10	110	45	28	104
120	10 to 14V	Single	15	1050	TO1050C15WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	24 to 35V	Single	35	1050	TO1050C35WS	P2	4.33	1.77	1.10	110	45	28	104
120	8 to 11V	Single	14	1260	TO1260C14WS	P1	3.86	1.46	1.06	98	37	26.5	94
120	18 to 25V	Single	35	1400	TO1400C35WS	P2	4.33	1.77	1.10	110	45	28	104

 $E_{ighting \, ltd.}^{age}$ 

# PROGRAMMABLE LED DRIVERS INDEX Resistor RSET Interface

May-18 R9

# Fixed Current 0 - 10V Dimming - Programmable Resistor RSET Interface

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	н	ML
347	27 to 55V	Single	80	1050 to 2100	PRC2100C80WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387
347	27 to 55V	Single	98	1400 to 2750	PRC2750C98WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387
120 to 277	27 to 55V	Single	80	1050 to 2100	PRU2100C80WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387
120 to 277	27 to 55V	Single	98	1400 to 2750	PRU2750C98WSDIM	E14	15.50	1.49	1.08	395	38	27.50	387

# CONSTANT CURRENT LED DRIVERS RESISTOR RSET INTERFACE INDEX

# Fixed Current 0 - 10V Dimming - Resistor RSET Interface Sep-23 R14

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	SIZE I	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	н	ML
347	27 to 55V	Single	54	900 to 1500	RC1500C54WSD	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	27 to 55V	Single	40	600 to 1100	RU1100C40WSD	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	27 to 55V	Single	54	900 to 1500	RU1500C54WSD	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	15 to 24V	Single	48	1400 to 2000	RU2000C48WSD	E13	12.36	1.34	1.08	314	34	27.5	301
120 to 277	27 to 55V	Single	80	1400 to 2200	RU2200C80WSD	E14	15.50	1.49	1.08	395	38	27.50	387

# Fixed Current STEP Dimming - Resistor RSET Interface

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE SIZE Inches		C	ASE S	IZE mr	n	
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	н	ML
120 to 277	27 to 55V	Single	54	1000 to 1500	RU1500C54W-SD	E13	12.36	1.34	1.08	314	34	27.5	301

 ${ar{E}}_{\!\!\!ighting\,ltd.}^{\!\!\!age}$ 

# FIXED CURRENT CIRCULAR (UFO) LED DRIVERS INDEX

# Fixed Current 0 - 10V Dimming UFO 120-277V

May-22 R3

INPUT									<u> </u>		
	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE SIZE I	-	CASE S		
	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	LW	Н	LW	H	ML
	36 to 60V	Single	100	1600	UNC1600C100WSD	UF1	5.20	2.83	132	72.0	113
	32 to 53V	Single	100	1900	UNC1900C100WSD	UF1	5.20	2.83	132	72.0	113
347	22 to 36V	Single	100	2800	UNC2800C100WSD	UF1	5.20	2.83	132	72.0	113
-	36 to 60V	Single	160	2600	UNC2600C160WSD	UF2	5.98	2.83	152	72.0	132
347	32 to 54V	Single	160	3000	UNC3000C160WSD	UF2	5.98	2.83	152	72.0	132
347	29 to 48V	Single	160	3300	UNC3300C160WSD	UF2	5.98	2.83	152	72.0	132
347	29 to 48V	Single	200	3300	UNC4300C200WSD	UF2	5.98	2.83	152	72.0	132
347	22 to 36V	Single	160	4500	UNC4500C160WSD	UF2	5.98	2.83	152	72.0	132
347	36 to 60V	Single	200	3400	UNC3400C200WSD	UF2	5.98	2.83	152	72.0	132
347	32 to 54V	Single	200	3700	UNC3700C200WSD	UF2	5.98	2.83	152	72.0	132
347	29 to 48V	Single	200	4300	UNC4300C200WSD	UF2	5.98	2.83	152	72.0	132
347	22 to 36V	Single	200	5600	UNC5600C200WSD	UF2	5.98	2.83	152	72.0	132
347	36 to 60V	Single	240	4000	UNC4000C240WSD	UF3	7.16	2.83	182	72.0	162
347	32 to 54V	Single	240	4500	UNC4500C240WSD	UF3	7.16	2.83	182	72.0	162
347	29 to 48V	Single	240	5000	UNC5000C240WSD	UF3	7.16	2.83	182	72.0	162
347	22 to 36V	Single	240	6700	UNC6700C240WSD	UF3	7.16	2.83	182	72.0	162
120 to 277	36 to 60V	Single	100	1600	UNU1600C100WSD	UF1	5.20	2.83	132	72.0	113
120 to 277	32 to 53V	Single	100	1900	UNU1900C100WSD	UF1	5.20	2.83	132	72.0	113
120 to 277	29 to 48V	Single	100	2000	UNU2000C100WSD	UF1	5.20	2.83	132	72.0	113
120 to 277	22 to 36V	Single	100	2800	UNU2800C100WSD	UF1	5.20	2.83	132	72.0	113
120 to 277	36 to 60V	Single	160	2600	UNU2600C160WSD	UF2	5.98	2.83	152	72.0	132
120 to 277	32 to 54V	Single	160	3000	UNC3000C160WSD	UF2	5.98	2.83	152	72.0	132
120 to 277	29 to 48V	Single	160	3300	UNU3300C160WSD	UF2	5.98	2.83	152	72.0	132
120 to 277	36 to 60V	Single	240	4000	UNU4000C240WSD	UF3	7.16	2.83	182	72.0	162
120 to 277	28 to 46V	Single	200	4300	UNU4300C200WSD	UF2	5.98	2.83	152	72.0	132
120 to 277	33 to 56V	Single	240	4300	UNU4300C240WSD	UF3	7.16	2.83	182	72.0	162
120 to 277	22 to 36V	Single	160	4500	UNU4500C160WSD	UF2	5.98	2.83	152	72.0	132
120 to 277	32 to 54V	Single	240	4500	UNU4500C240WSD	UF3	7.16	2.83	182	72.0	162
120 to 277	29 to 48V	Single	240	5000	UNU5000C240WSD	UF3	7.16	2.83	182	72.0	162
120 to 277	22 to 36V	Single	240	6700	UNU6700C240WSD	UF3	7.16	2.83	182	72.0	162

# FIXED CURRENT LED DRIVERS INDEX - CE MODELS

# Fixed Current 0 - 10V Dimming CE 220-240V

INPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SAGE	CASE	CASE	size i	nches	C	ASE S	IZE mr	n
VOLTAGE	VOLTAGE	CIRCUIT	WATTS	CURRENT mA	Model Number	SERIES	L	W	Н	L	W	Н	ML
220 to 240	25 to 42V	Single	44	1050	NE1050C44WSD	CH4U	6.22	1.73	1.22	158	44	31	149

 ${ar{E}}_{\!\!\!ighting\,ltd.}^{\!\!\!age}$ 

# Sage

# **347V Programmable LED Drivers** Dimming Range 1-100%

Sage 347V Programmable drivers are simple to use, easy to program and do not require powering up or wiring to be programmed. These drivers offer increased productivity and flexibility for the Fixture Manufacturers to design a wide range of luminaires utilizing various light sources available to them while maintaining the lo West level of inventory possible.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-Programming is available to facilitate large production needs.

These Programmable drivers are also available in 120-277V Input voltage and at 15W to 98W 0-10V Dimming. Dimming Range is available at 1-100%, 5-100% and 10-100%.

Output Current: from 100mA to 2750mA

# 347V LED DRIVER Programmable 15W 0-10V Dimming

1-100% Output Range 15V to 55V Current 100mA to 700mA Max 15W Small Case Size with leads

347V Electronic Programmable (NFC) LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 15W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: **Typical Efficiency 70%** 

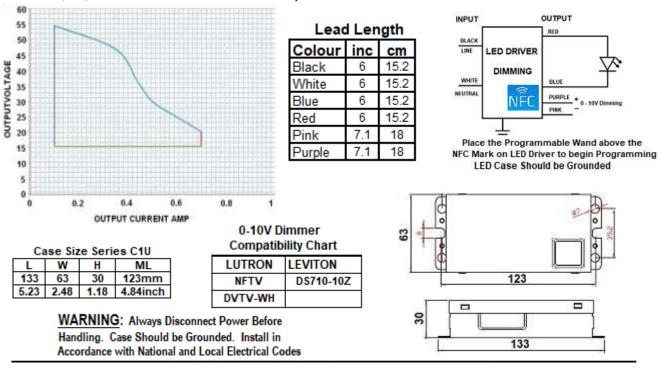
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Fu	II Load: 18AWG -18 ft

# Case Size: Series C1U

Due to continuin	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/7/22												
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL							
347	0.097A	21	15	15 to 55V	0.1 - 0.7A	PC700C15WSD1							

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# 347V LED DRIVER Programmable 15W 0-10V Dimming

1-100% Output Range 15V to 55V Current 100mA to 700mA Max 15W

Small Case Size - Bottom Mount Studs with leads No Mounting Flange

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 15W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **TL** IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency 70% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGPottom Mount Studs No Mounting Flange

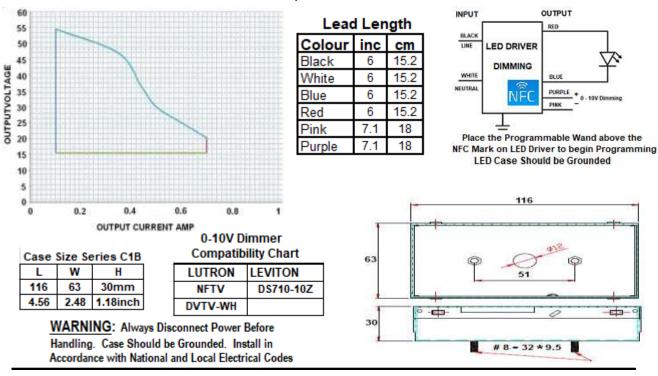
# Case Size: Series C1B

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/6/22

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.097A	21	15	15 to 55V	0.1 - 0.7A	PC700C15WSBD1

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# 347V LED DRIVER Programmable 30W 0-10V Dimming

1-100% Output Range 15V to 55V Current 350mA to 1250mA Max 30W

Small Case Size - Bottom Mount Studs with leads No Mounting Flange

347V Electronic Programmable (NFC) LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 30W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: 0° C 90° C Max. Case Temp: Typical Efficiency 85%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Lo	ad: 18AWG -18 ft
Bottom Mount Studs No Mou	unting Flange

# Case Size: Series C1B

[	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/7/22												
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL						
	347	0.1A	37	30	15 to 55V	0.35 - 1.25A	PC1250C30WSB-D1						

LIMITED WARRANTY

Case Size Series C1B

Н

30mm

1.18inch

w

63

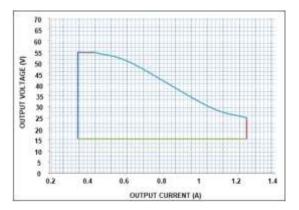
2.48

L

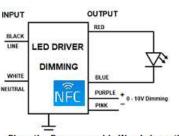
116

4.56

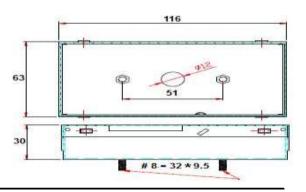
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length						
Colour inc cm						
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				



Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming LED Case Should be Grounded



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

0-10V Dimmer Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH



www.sagedrivers.com www.sagelighting.com

WARNING: Always Disconnect Power Before Handling, Case Should be Grounded, Install in

Accordance with National and Local Electrical Codes

# 347V LED DRIVER Programmable 30W 0-10V Dimming

**1-100%** Output Range 15V to 55V Current **350mA** to **1250mA** Max **30W** Small Case Size with Side leads

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 30W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **TL** IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 85%

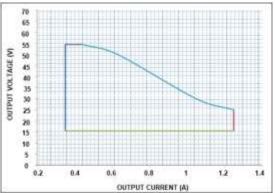
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

#### Case Size: Series C1U

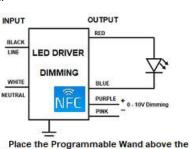
Ę	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/7/22							
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	347	0.1A	37	30	15 to 55V	0.35 - 1.25A	PC1250C30WS-D1	

#### LIMITED WARRANTY

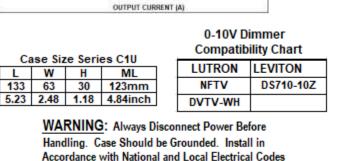
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

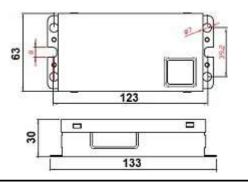


Lead Length						
Colour	inc	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				



NFC Mark on LED Driver to begin Programming LED Case Should be Grounded







# 347V LED DRIVER Programmable 30W 0-10V Dimming

1-100% Output Range 15V to 55V Current 350mA to 1250mA Max 30W

Low Profile Slim Case Size with Terminal Blocks

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 30W maximum.

# **Technical Specification:**

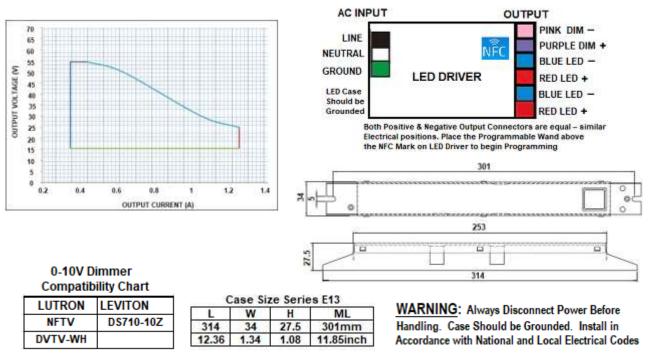
Class 2 UL, CUL Recognized, ROHS Complian		
EMI FCC Part 15, Class A	Output Load range 👲 5%	
Rating: TL IP 30 Damp, Dry	Input Frequency: 50/60HZ	
Output Open/Short Protection	THD: < 20%	
Min. Starting Temp: 0° C	Power Factor Min: 0.90	
Max. Case Temp: 90° C	Remote Wiring Distance Full Load: 18AWG -18	3 ft
Typical Efficiency 82%	Terminal Blocks	

#### Case Size: Series E13

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/7/22							
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	347	0.1A	37	30	15 to 55V	0.35 - 1.25A	PC1250C30WSD1-E13	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  [1d].

# 347V LED DRIVER Programmable 40W 0-10V Dimming

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 40W

Low Profile Slim Case Size with Terminal Blocks

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 40W maximum.

# **Technical Specification:**

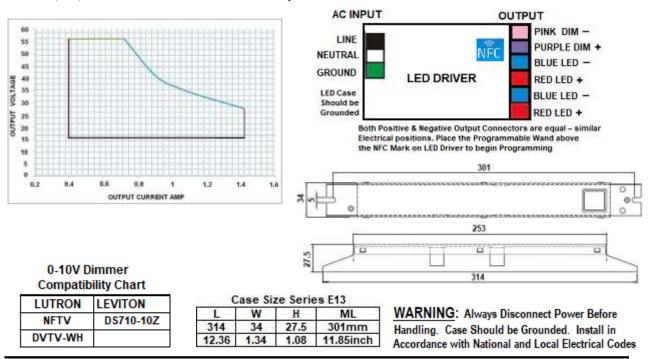
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGTerminal Blocks

# Case Size: Series E13

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/7/22							
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	347	0.143A	47	40	15 to 55V	0.4 - 1.4A	PC1400C40WSD1-E13	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}^{age}_{ighting \ ltd.}$ 

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 50W

Low Profile Slim Case Size with Terminal Blocks

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming Range 1-100%. Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

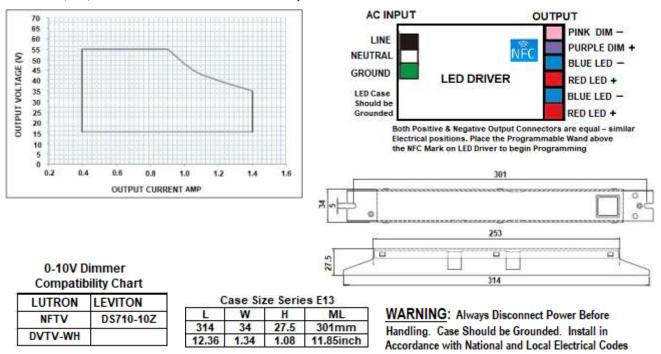
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: TL IP 30 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Lo	ad: 18AWG -18 ft
Typical Efficiency 88%	Terminal Blocks	

#### Case Size: Series E13

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/7/22									
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
	347	0.16A	59	50	15 to 55V	0.4 - 1.4A	PC1400C50WSD1-E13			

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 50W

Small Case Size - Bottom Mount Studs with leads No Mounting Flange

347V Electronic Programmable (NFC) LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp **Output Open/Short Protection** Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 85%

Input Voltage range: + 10% **Output Load range** + 5% Input Frequency: 50/60HZ THD: < 20% **Power Factor Min:** 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft **Bottom Mount Studs** 

#### Case Size: Series C1B

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/6/22									
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
	347	0.17A	60	50	15 to 55V	0.4 - 1.4A	PC1400C50WSB-D1			

LIMITED WARRANTY

Case Size Series C1B

Н

30mm

2.48 1.18inch

W

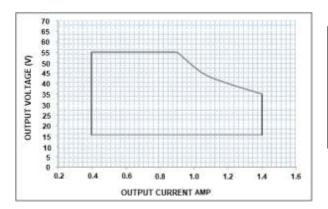
63

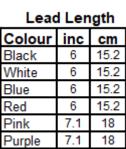
L

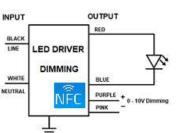
116

4.56

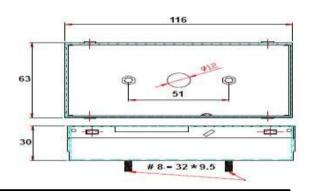
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming LED Case Should be Grounded



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

0-10V Dimmer Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH

age ighting ltd.

www.sagedrivers.com www.sagelighting.com

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in

Accordance with National and Local Electrical Codes

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 50W

Small Case Size with leads

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 85%

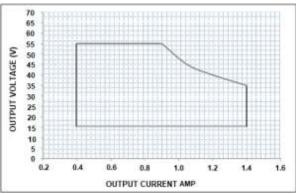
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft

#### Case Size: Series C1U

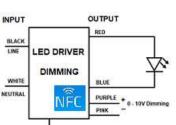
Due to continuing e	efforts to offer impro	4/7/22 MODEL				
VOLTAGE	OURICEI	WATTS	WATTS MAX	VOLTAGE	AMPS	
347	0.17A	60	50	15 to 55V	0.4 - 1.4A	PC1400C50WS-D1

LIMITED WARRANTY

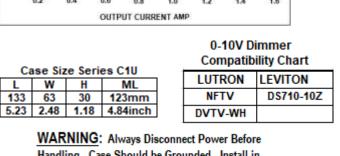
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					



Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming LED Case Should be Grounded



Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes 

#### 1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 50W

Small Case Size with Side leads for use with External Thermal Device 12V DC 100mA

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming **1-100%.** Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Parts 18, Subparts C, Class A Rating: TL IP 64 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 85%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG -18 ft

#### Case Size: Series C1U

[	Due to continuing e	forts to offer imp	roved pr	roducts al	1 specifications	are sul	bject to chang	ge witho	ut prior notice	

0-10V Dimmer Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.17A	59	50	15 to 55V	0.4 - 1.4A	PC1400C50WD1F

#### LIMITED WARRANTY

Case Size Series C1U

Н

30

ML

123mm

WARNING: Always Disconnect Power Before

Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

1.18 4.84inch

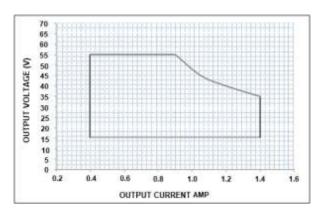
W

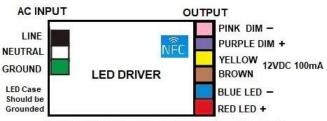
63

5.23 2.48

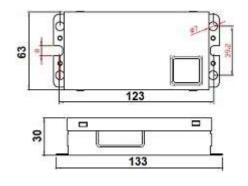
L 133

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Both Positive & Negative Output Connectors are equal – similar Electrical positions. Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming





1500 Marine Drive, #200 North Vancouver, BC V7P 1T7 TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

**1-100%** Output Range 27V to 55V Current **700mA** to **1400mA** Max **60W** Slim Case Size with Terminal Blocks

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 27V to 55V for Single circuit 60W maximum.

#### **Technical Specification:**

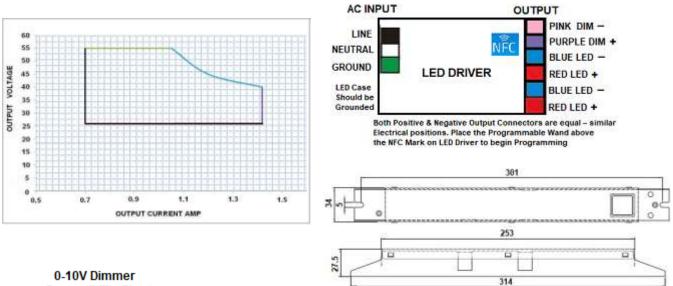
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp, Dry Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 87% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGTerminal Blocks

#### Case Size: Series E13

C	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/7/22								
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
	347	0.2	69	60	27 to 55V	0.7 - 1.4A	PC1400C60WS-D1		

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Compatib	ility Chart	
LUTRON	LEVITON	Ĕ
NFTV	DS710-10Z	5

DVTV-WH

٦	C	ase Siz	ze Serie	es E13
-	L	W	H	ML
_	314	34	27.5	301mm
	12.36	1.34	1.08	11.85inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{T}_{ighting}^{age}$  ltd.

**1-100%** Output Range 27V to 55V Current **700mA** to **1400mA** Max **60W** Small Case Size with Leads

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming **1-100%.** Output Range of 27V to 55V for Single circuit 60W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 87%

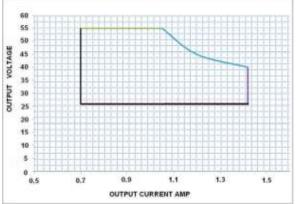
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Ful	II Load: 18AWG -18 ft

#### Case Size: Series MU2

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/5/23								
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
	347	0.2A	69	60	27 to 55V	0.7 - 1.4A	PC1400C60WRSD1		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

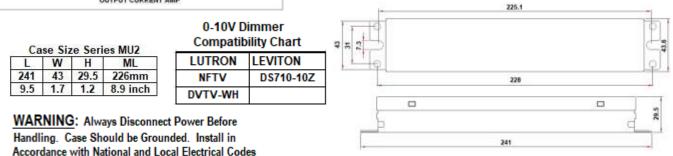






OUTPUT

RED



 ${m \hat{T}}^{age}_{ighting}$  ltd.

# Sage

## **347V Programmable LED Drivers** Dimming Range 5-100%

Sage 347V Programmable drivers are simple to use, easy to program and do not require powering up or wiring to be programmed. These drivers offer increased productivity and flexibility for the Fixture Manufacturers to design a wide range of luminaires utilizing various light sources available to them while maintaining the lo West level of inventory possible.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-Programming is available to facilitate large production needs.

These Programmable drivers are also available in 120-277V Input voltage and at 15W to 98W 0-10V Dimming. Dimming Range is available at 1-100%, 5-100% and 10-100%.

Output Current: from 100mA to 2750mA

Output Range of 27V to 55V Current 1050mA to 2100mA Max 80W

Low Profile Slim Case Size with Terminal Blocks

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming **5-100%.** Output Range of 27V to 55V for Single circuit 80W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: TL IP 30 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full I	Load: 18AWG -18 ft
Typical Efficiency 87%	Terminal Blocks	

Case Size: Series E14

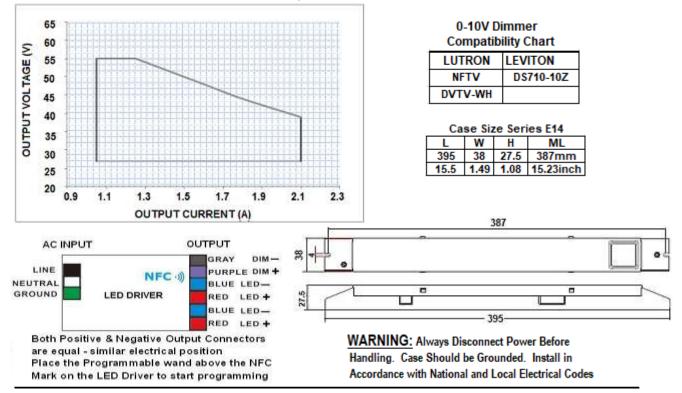
2/7/22

Due to continuing efforts to offer impro	oved products all specifications are su	ubiect to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.26A	89	80	27 to 55V	1.05 - 2.1A	PC2100C80WS-D5

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}^{age}_{ighting \, ltd.}$ 

Output Range of 27V to 55V Current 1050mA to 2100mA Max 80W

Short case with Leads

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 27V to 55V for Single circuit 80W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Ful	I Load: 18AWG -18 ft

#### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.26A	89	80	27 to 55V	1.05 - 2.1A	PC2100C80WRSD5

LIMITED WARRANTY

Case Size Series FS3

Н

37

1.46

ML

226mm

8.9inch

WARNING: Always Disconnect Power Before

Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

L

241

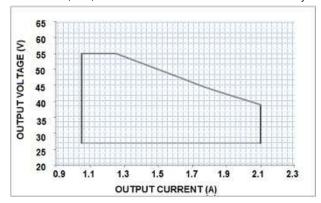
9.5

w

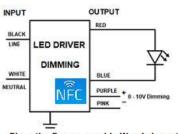
61

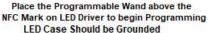
2.4

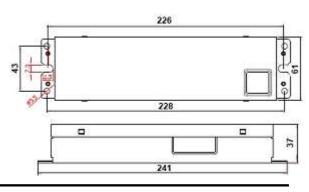
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length					
Colour	inc	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			
Pink	7.1	18			
Purple	7.1	18			







901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

0-10V Dimmer Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH

**L**ighting ltd.

Output Range of 27V to 55V Current 1050mA to 2100mA Max 80W

Short case Bottom Mount Studs with Leads

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 27V to 55V for Single circuit 80W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: TL IP 64 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: O° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full L	_oad: 18AWG
Typical Efficiency 88%	Bottom Mount Studs	

Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.26A	91	80	27 to 55V	1.05 - 2.1A	PC2100C80WRBD5

LIMITED WARRANTY

Case Size Series FS3

н

37

1.46

ML

226mm

8.9inch

WARNING: Always Disconnect Power Before

Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

W

61

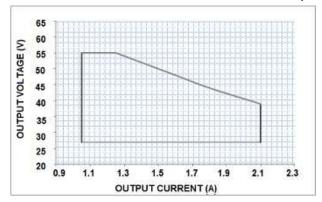
2.4

н

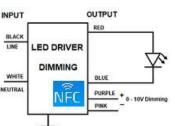
241

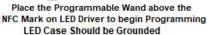
9.5

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

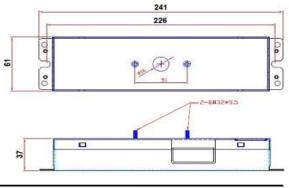








LED Case Should be Grounded



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

0-10V Dimmer Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH



Output Range of 27V to 55V Current 1400mA to 2750mA Max 98W

Low Profile Slim Case Size with Terminal Blocks

347V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 15V to 55V for Single circuit 98W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG -18 ft
Terminal Blocks	

217/22

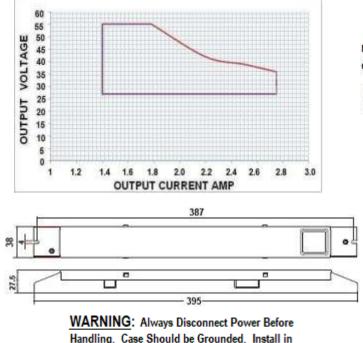
#### Case Size: Series E14

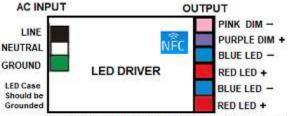
Due to continuing efforts to offer im	proved products all specifications	s are subject to change without prior notice
	provou producto un opcomoditori	e ale casjeet te change maleat phet neace

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.32A	110	98	27 to 55V	1.4 - 2.75A	PC2750C98WS-D5

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Both Positive & Negative Output Connectors are equal – similar Electrical positions. Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming

0-10V Dimmer Compatibility Chart							
LUTRON	LEVITON						
NFTV	DS710-10Z						
DVTV-WH							

Case Size Series E14								
L	W	Н	ML					
395	38	27.5	387mm					
15.5	1.49	1.08	15.23inch					

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

Accordance with National and Local Electrical Codes



5-100% Output Range of 27V to 55V Current 1.4A to 2.75A Max 98W Short case Bottom Mount Studs with Leads

347V Electronic Programmable (NFC) LED Driver 0-10V Dimming 5-100%. Output Range of 15V to 55V for Single circuit 98W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15. Class A Rating: TL IP 64 Damp **Output Open/Short Protection** Min. Starting Temp: 0° C 90° C Max. Case Temp: Typical Efficiency 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG -18 ft

#### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.32	110	98	27 - 55	1.4 - 2.75	PC2750C98WRBD5

#### LIMITED WARRANTY

Case Size Series FS3

Н

37

1.46

ML

WARNING: Always Disconnect Power Before Handling.

W

61

9.5 2.4

L

241

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length

inch

5.9

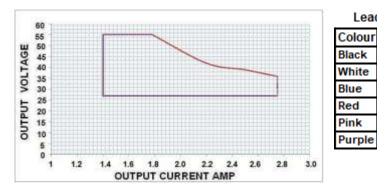
5.9

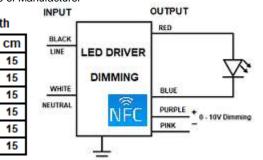
5.9

5.9

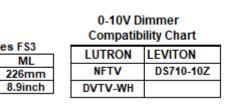
5.9

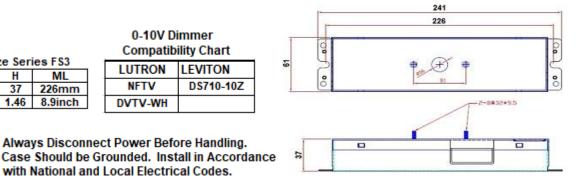
5.9





Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming





Canada 901 - 3rd Street West, North Vancouver, BC V7P 3P9 TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

with National and Local Electrical Codes.

Dage Lighting ltd.

# Sage

## **120-277V Programmable** LED Drivers Dimming Range 1-100%

Sage 120-277V Programmable drivers are simple to use, easy to program and do not require powering up or wiring to be programmed. These drivers offer increased productivity and flexibility for the Fixture Manufacturers to design a wide range of luminaires utilizing various light sources available to them while maintaining the lo West level of inventory possible.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-Programming is available to facilitate large production needs.

These Programmable drivers are also available in 347V Input voltage and at 15W to 98W 0-10V Dimming. Dimming Range is available at 1-100%, 5-100% and 10-100%.

Output Current: from 100mA to 2750mA

1-100% Output Range 15V to 55V Current 100mA to 700mA Max 15W Small Case Size with leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 15W maximum.

#### **Technical Specification:**

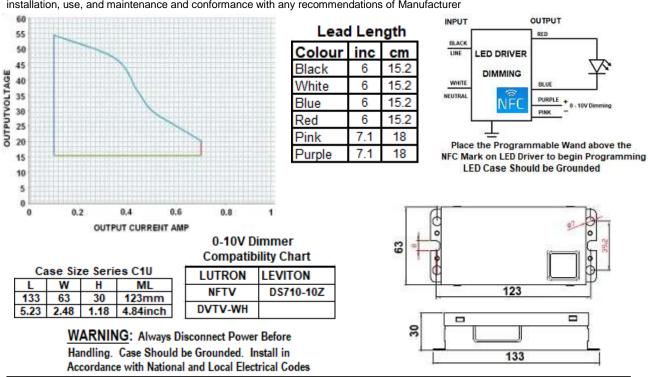
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 75% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series C1U

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 3/7/22									
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	TS POWER VOLTAGE CU		OUTPUT CURRENT AMPS	MODEL				
120-277	0.27A-0.11	20	15	15 to 55V	0.1 - 0.7A	PU700C15WSD1				

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





1-100% Output Range 15V to 55V Current 100mA to 700mA Max 15W Small Case Size - Bottom Mount Studs with leads No Mounting Flange

Universal Voltage 120-277V Electronic Programmable (NFC) LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 15W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant FCC Part 15, Class A EMI Rating: TL IP 64 Damp, Drv **Output Open/Short Protection** Min. Starting Temp: 0° C Max. Case Temp: 90° C 75% **Typical Efficiency** 

Input Voltage range: + 10% **Output Load range** + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft **Bottom Mount Studs No Mounting Flange** 

#### Case Size: Series C1B

OUTPUT

RED

BLU

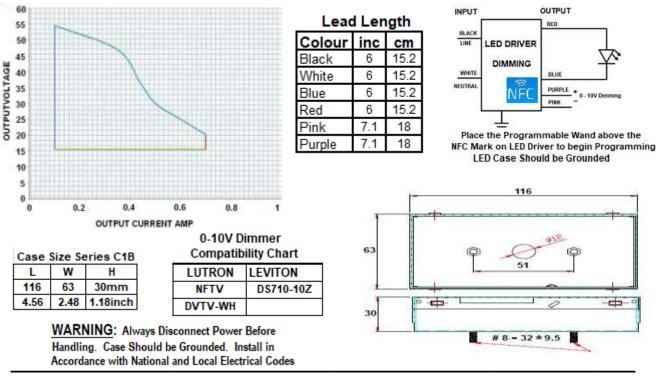
PINK

PURPLE .

Ľ	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 3/6/22										
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL				
	120-277	0.27A-0.11	20	15	15 to 55V	0.1 - 0.7A	PU700C15WSBD1				

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



0

**1-100%** Output Range 15V to 55V Current **350mA** to **1250mA** Max **30W** Small Case Size with Side leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 30W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 85%

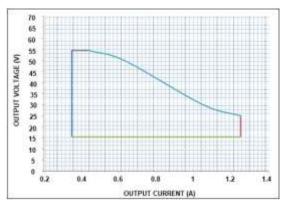
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

#### Case Size: Series C1U

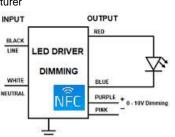
Due to continuing e	efforts to offer improve	d products all s	specifications are subj	ect to change witho	ut prior notice	4/7/22
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120-277	0.3 - 0.13A	37	30	15 to 55V	0.35 - 1.25A	PU1250C30WS-D1

#### LIMITED WARRANTY

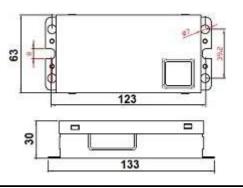
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					



Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming LED Case Should be Grounded



	<b>C</b> :				0-10V Dimmer Compatibility Chart			
	ase Siz W		es C1U ML		LUTRON	LEVITON		
133	63	н 30	123mm		NFTV	D\$710-10Z		
5.23	2.48	1.18	4.84inch		DVTV-WH			
WARNING: Always Disconnect Power Before								

Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com Eighting ltd.

1-100% Output Range 15V to 55V Current 350mA to 1250mA Max 30W

Small Case Size - Bottom Mount Studs with leads No Mounting Flange

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 30W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 85% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGBottom Mount Studs No Mounting Flange

#### Case Size: Series C1B

Ľ	Oue to continuing e	fforts to offer improved	d products all s	specifications are subj	ect to change witho	ut prior notice	4/6/22
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120-277	0.3 - 0.13A	37	30	15 to 55V	0.35 - 1.25A	PU1250C30WSB-D1

#### LIMITED WARRANTY

Case Size Series C1B

Н

30mm

1.18inch

w

63

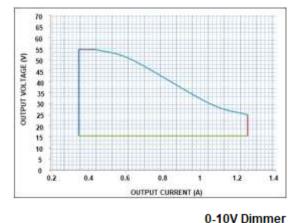
2.48

н

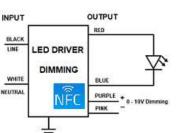
116

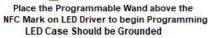
4.56

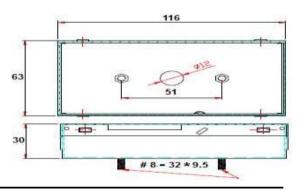
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					







901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in

Accordance with National and Local Electrical Codes

Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH



1-100% Output Range 15V to 55V Current 350mA to 1250mA Max 30W Low Profile Slim Case Size with Terminal Blocks

Low Profile Sim Case Size with Terminal Blocks

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 30W maximum.

#### **Technical Specification:**

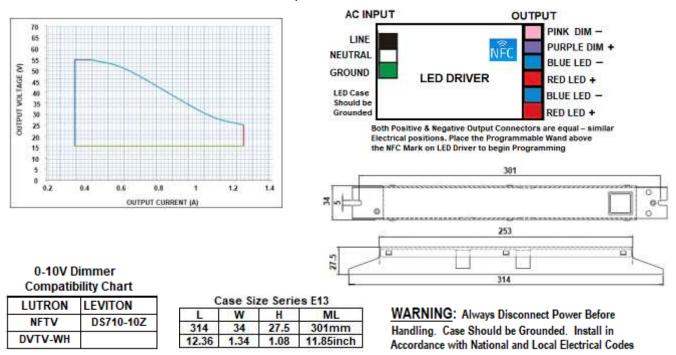
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp, Dry Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 85% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGTerminal Blocks

#### Case Size: Series E13

Ľ	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/7/22							
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	120-277	0.3 - 0.13A	37	30	15 to 55V	0.35 - 1.25A	PU1250C30WSD1-E13	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 ${m \hat{L}}^{age}_{ighting}$  ltd.

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 40W

Low Profile Slim Case Size with Terminal Blocks

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 40W maximum.

#### **Technical Specification:**

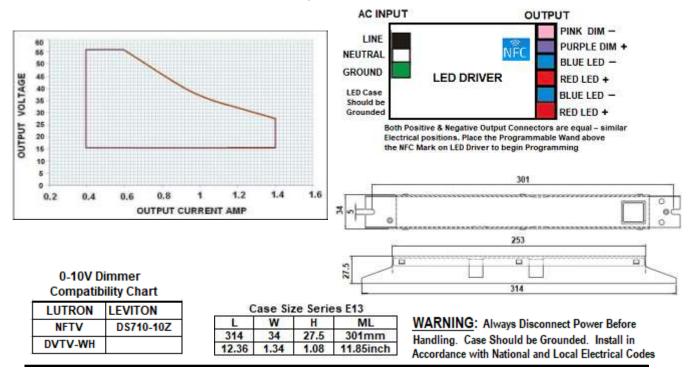
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGTerminal Blocks

#### Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/7/22							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.40A	47	40	15 to 55V	0.4 - 1.4A	PU1400C40WSD1-E13	
277	0.18A	47	40	13 10 33 0	0.4 - 1.4A	F01400C40W3D1-E13	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}_{ighting}^{age}$  ltd.

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 50W

Small Case Size with Side leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

Min. Starting Temp: 0° C						

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft

#### Case Size: Series C1U

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/7/22						
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.50A	60	50	15 to 55V	0.4 - 1.4A	PU1400C50WS-D1	
277	0.22A	60	50	15 10 55 V	0.4 - 1.4A	P01400C50W3-D1	

#### LIMITED WARRANTY

Case Size Series C1U

Н

30

1.18

MI

123mm

4.84inch

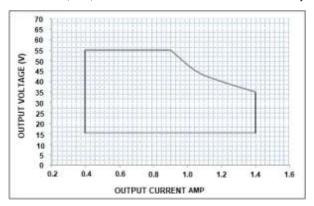
W

63

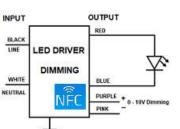
133

5.23 2.48

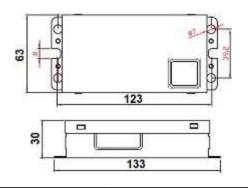
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					



Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming LED Case Should be Grounded



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in

Accordance with National and Local Electrical Codes

0-10V Dimmer

LUTRON

NFTV

DVTV-WH

Compatibility Chart

LEVITON

D\$710-10Z



**1-100%** Output Range 15V to 55V Current **400mA** to **1400mA** Max **50W** 

Small Case Size with Side leads for use with External Thermal Device 12V DC 100mA

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming **1-100%**. Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

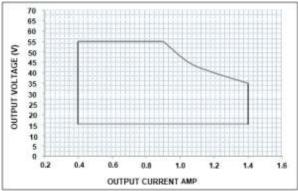
#### Case Size: Series C1U

Due to continuing efforts to offer improve	d products all specifications are sul	biect to change without prior notice
Bao to containaing chorto to onor improve	a producto an opcomoditorio dio odi	sjoor to onango manour phor notioo

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.50A	59	50	15 to 55V	0.4 - 1.4A		
277	0.22A	- 59	50	10 10 00 V	0.4 - 1.4A	PU1400C50WD1F	

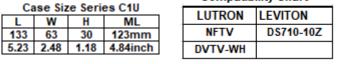
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



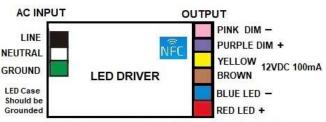
0-10V Dimmer

_		
Com	patibility	/ Chart

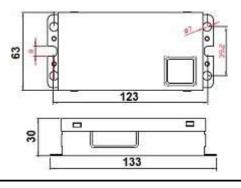


WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



Both Positive & Negative Output Connectors are equal – similar Electrical positions. Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming



age aghting ltd.

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 50W

Small Case Size - Bottom Mount Studs with leads No Mounting Flange

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: TL IP 64 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency 85%	Bottom Mount Studs	

#### Case Size: Series C1B

Due	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/6/22											
v	INPUT /OLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL					
	120	0.50A	60	60 50		<u> </u>	<u> </u>	<u> </u>	50		0 4 4 4 4	
	277	0.22A			50	15 to 55V	0.4 - 1.4A	PU1400C50WSB-D1				

LIMITED WARRANTY

Case Size Series C1B

н

30mm

1.18inch

w

63

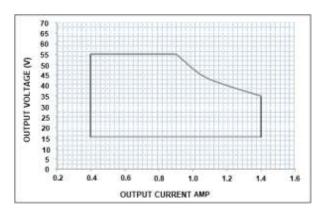
2.48

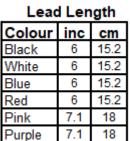
L

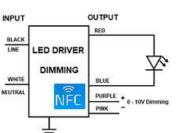
116

4.56

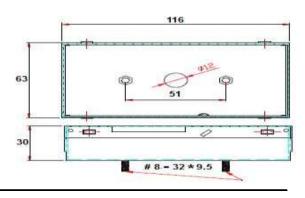
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming LED Case Should be Grounded



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

WARNING: Always Disconnect Power Before Handling, Case Should be Grounded, Install in

Accordance with National and Local Electrical Codes

0-10V Dimmer Compatibility Chart

LUTRON

NFTV

DVTV-WH

LEVITON

DS710-10Z

Page Lighting ltd.

1-100% Output Range 15V to 55V Current 400mA to 1400mA Max 50W

Low Profile Slim Case Size with Terminal Blocks

Universal Voltage 120-277V Electronic Programmable (NFC) LED Driver 0-10V Dimming 1-100%. Output Range of 15V to 55V for Single circuit 50W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp **Output Open/Short Protection** Min. Starting Temp: 0° C 90° C Max. Case Temp: **Typical Efficiency 90%** 

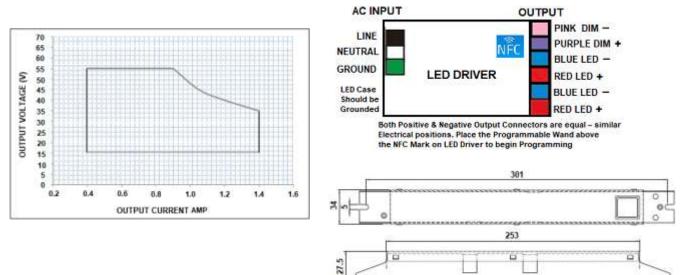
+ 10% Input Voltage range: **Output Load range** + 5% Input Frequency: 50/60HZ THD: < 20% **Power Factor Min:** 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft **Terminal Blocks** 

#### Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/7/23									
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
120	0.50A	59	50	50	50	15 to 55\/	04 144	PU1400C50WSD1-E13	
277	0.22A		50	15 to 55V	0.4 - 1.4A	F01400C30W3D1-E13			

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



#### 0-10V Dimmer Compatibility Chart

LUTRON

NFTV

DVTV-WH

LEVITON	Case Size Series E13					
00740 407	L	W	Н	ML		
DS710-10Z	314	34	27.5	301mm		
	12.36	1.34	1.08	11.85inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

314

 $\hat{T}_{ighting}^{age}$  ltd.

1-100% Output Range 27V to 55V Current 700mA to 1400mA Max 60W

Low Profile Slim Case Size with Terminal Blocks

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 27V to 55V for Single circuit 60W maximum.

#### **Technical Specification:**

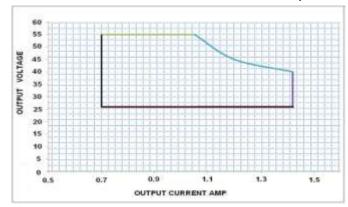
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 87% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGTerminal Blocks

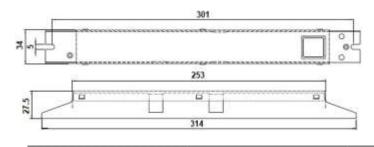
#### Case Size: Series E13

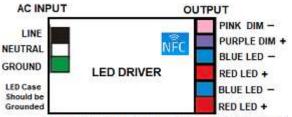
Due to continuing e	efforts to offer impro	4/6/22					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.6A	69	60	60	27 to 55V	0.7 - 1.4A	PU1400C60WS-D1
277	0.26A		00	27 10 55 V	0.7 - 1.4A	F01400C00W3-D1	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







Both Positive & Negative Output Connectors are equal – similar Electrical positions. Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming

Case Size Series E13						
L	W	Н	ML			
314	34	27.5	301mm			
12.36	1.34	1.08	11.85inch			

#### 0-10V Dimmer

#### Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\dot{Z}^{age}_{ighting}$  (1d.

1-100% Output Range 27V to 55V Current 700mA to 1400mA Max 60W

Slim Case Size with Leads

Universal Voltage 120-277V Electronic Programmable (NFC) LED Driver 0-10V Dimming 1-100%. Output Range of 27V to 55V for Single circuit 60W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Ratina: TL IP 64 Damp **Output Open/Short Protection** Min. Starting Temp: 0° C 90° C Max. Case Temp: Typical Efficiency 87%

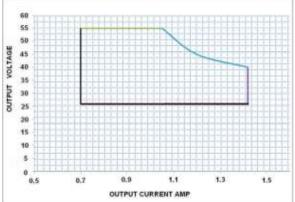
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Fu	II Load: 18AWG -18 ft

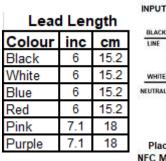
#### Case Size: Series MU2

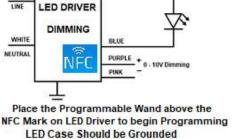
Due	INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	120	0.6A	69	60	60	27 to 55V	0.7 - 1.4A	PU1400C60WRSD1
	277	0.26A		00	27 10 33 V	0.7 - 1.47	F01400C00WK3D1	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

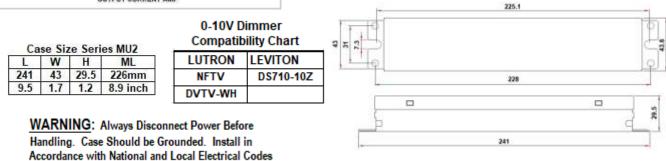






OUTPUT

RED





Output Range of 24V to 47V Current **700mA** to **2100mA** Max **98W** Short case with Side Leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 1-100%. Output Range of 24V to 47V for Single circuit 98W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp Output Open/Short Protection Min. Starting Temp: 10° C Max. Case Temp: 90° C Typical Efficiency 86% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

0-10V Dimmer Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.94A	113	110	09	24 to 47V	0.7 - 2.1A	PU2100C98WRD
277	0.41A		98	24 l0 47 V	0.7 - 2.1A	FUZIUUC90WRD	

#### LIMITED WARRANTY

Case Size Series FS3

Н

37

1.46

W

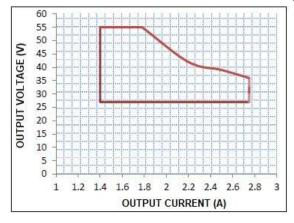
61

9.5 2.4

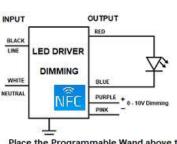
Т

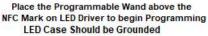
241

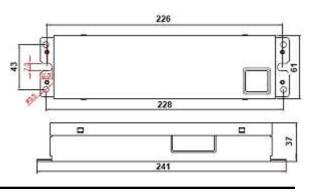
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					







Accordance with National and Local Electrical Codes 901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in

www.sagedrivers.com www.sagelighting.com

ML

226mm

8.9inch



# Sage

## **120-277V Programmable** LED Drivers Dimming Range 5-100%

Sage 120-277V Programmable drivers are simple to use, easy to program and do not require powering up or wiring to be programmed. These drivers offer increased productivity and flexibility for the Fixture Manufacturers to design a wide range of luminaires utilizing various light sources available to them while maintaining the lo West level of inventory possible.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-Programming is available to facilitate large production needs.

These Programmable drivers are also available in 347V Input voltage and at 15W to 98W 0-10V Dimming. Dimming Range is available at 1-100%, 5-100% and 10-100%.

Output Current: from 100mA to 2750mA

Output Range of 27V to 55V Current **1050mA** to **2100mA** Max **80W** Low Profile Slim Case Size with Terminal Blocks

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 15V to 55V for Single circuit 80W maximum

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 87% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGTerminal Blocks

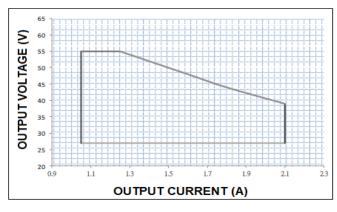
Case Size: Series E14

Due to continuing offects to offer improved and in	the stand of the stand of the state of the s
Due to continuing efforts to offer improved broduc	cts all specifications are subject to change without prior notice
2 de le contantante de chier improved predac	the and opposition and outpoor to onlange manout prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.76A	89	80	27 to 55V	1.05 - 2.1A	PU2100C80WS-D5
277	0.33A		80	27 10 55 V	1.05 - 2.1A	FU2100C00W3-D3

#### LIMITED WARRANTY

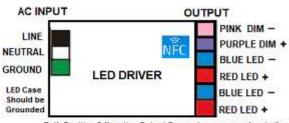
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



Both Positive & Negative Output Connectors are equal – similar Electrical positions. Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming

0-10V Dimmer				
<b>Compatibility Chart</b>				
LUTDON	LEVITON			

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series E14					
L	W	Н	ML		
395	38	27.5	387mm		
15.5	1.49	1.08	15.23inch		



Output Range of 27V to 55V Current **1050mA** to **2100mA** Max **80W** Short case with Leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 27V to 55V for Single circuit 80W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 64 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 87% Input Voltage range:+10%Output Load range+5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series FS3

Due to continuing efforts to offer improved products all specificat	tions are subject to change without prior potice
Due to continuing enous to oner improved products an specifical	lions are subject to change without phot notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.76A	89	80	27 to 55V	1.05 - 2.1A	PU2100C80WRSD5
277	0.33A	09	80	27 10 55 V	1.05 - 2.1A	PUZIUUCOUWKSDS

LIMITED WARRANTY

Case Size Series FS3

Н

37

1.46

ML

226mm

8.9inch

WARNING: Always Disconnect Power Before

Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

W

61

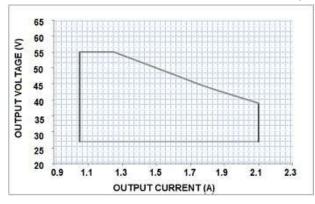
2.4

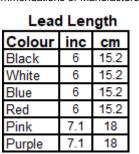
н

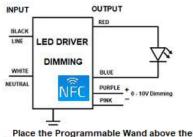
241

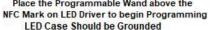
9.5

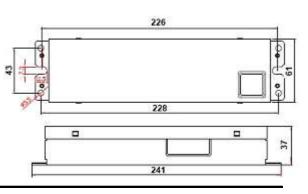
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer











901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

0-10V Dimmer Compatibility Chart

LEVITON

DS710-10Z

LUTRON

NFTV

DVTV-WH



**5-100%** Output Range of 27V to 55V Current 1.05A to 2.1A Max **80W** Short case Bottom Mount Studs with Leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming **5-100%.** Output Range of 27V to 55V for Single circuit 80W maximum.

#### **Technical Specification:**

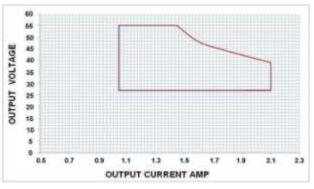
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 87% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGBottom Mount Studs

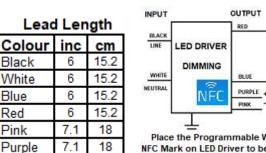
Case Size: Series FS3

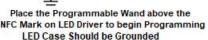
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.76A	91	80	27 to 55V	1.05 - 2.1A	PU2100C80WRBD5
277	0.33A	01		21 10 00 1	1.00 2.177	1 021000001110200

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







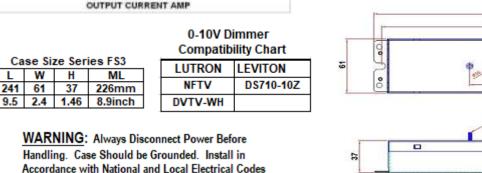
2-8432+9.5

0 - 10V D

00

241

226



**L**ighting ltd.

**5-100%** Output Range of 27V to 55V Current **1400mA** to **2750mA** Max **98W** Low Profile Slim Case Size with Terminal Blocks

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 15V to 55V for Single circuit 98W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: TL IP 30 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency 88%	Terminal Blocks	

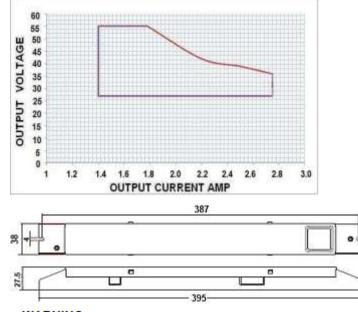
#### Case Size: Series E14

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.93A	110 08	110	00	27 to 55V	1.4 - 2.75A	PU2750C98WS-D5
277	0.4A	110	98 27 to	27 10 55 V	1.4 - 2.75A	FU2/50C90W3-D5	

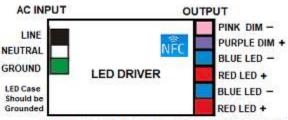
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



#### WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



Both Positive & Negative Output Connectors are equal – similar Electrical positions. Place the Programmable Wand above the NFC Mark on LED Driver to begin Programming

#### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series E14					
L	W	Н	ML		
395	38	27.5	387mm		
15.5	1.49	1.08	15.23inch		



# LED DRIVER Programmable 98W 0-10V Dimming

**5-100%** Output Range of 27V to 55V Current **1400mA** to **2750mA** Max **98W** Short case Bottom Mount Studs with leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 15V to 55V for Single circuit 98W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency 89% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGBottom Mount Studs-18 ft

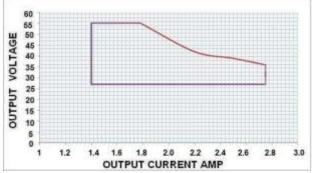
Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.93A	110	98	27 to 55V	1.4 - 2.75A		
277	0.4A	110	90	27 10 55 V	1.4 - 2.75A	PU2750C98WRBD5	

LIMITED WARRANTY

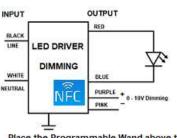
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

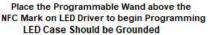


WARNING: Always Disconnect Power Before

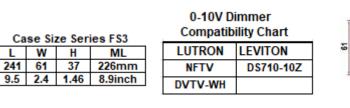
Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

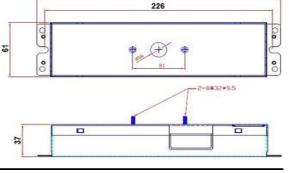
Lead Length					
Colour	inc	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			
Pink	7.1	18			
Purple	7.1	18			





LED Case Should be Grounded





241

ighting ltd.

# LED DRIVER Programmable 98W 0-10V Dimming

5-100% Output Range of 27V to 55V Current 1400mA to 2750mA Max 98W Short case with Side Leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming 5-100%. Output Range of 27V to 55V for Single circuit 98W maximum.

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: TL IP 64 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
Typical Efficiency 89%		

Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notic
---

	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
ſ	120	0.93A	110	110 98	00	27 to 55\/	1 4 0 75 4	PU2750C98WRD5
	277	0.4A			90	27 to 55V	1.4 - 2.75A	PU2/30C90WRD3

#### LIMITED WARRANTY

Lead Length

inc

6

6

6

6

7.1

7.1

cm

15.2

15.2

15.2

15.2

18

18

Colour

Black

White

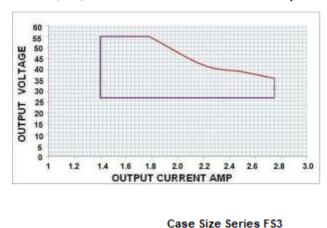
Blue

Red

Pink

Purple

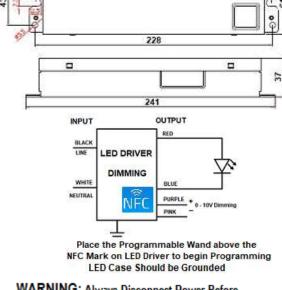
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 226



L

241

9.5



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

LUTRON

NFTV

DVTV-WH

w

61

н

37

2.4 1.46

0-10V Dimmer

Compatibility Chart

LEVITON

DS710-10Z

ML

226mm

8.9inch

 ${f Z}^{age}_{ighting \ ltd.}$ 

# LED DRIVER Programmable 110W 0-10V Dimming

Output Range of 62V to 122V Current 600mA to 1200mA Max 110W

Compact Case Size with Side leads

Universal Voltage 120-277V Electronic **Programmable (NFC)** LED Driver 0-10V Dimming. Output Range of 62V to 122V for Single circuit 110W maximum.

#### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: TL IP 64 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency 87%		

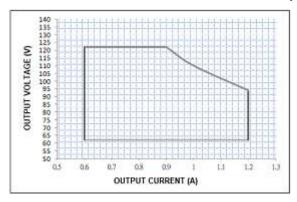
#### Case Size: Series CH3U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

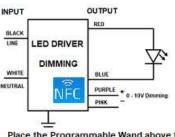
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.07	128	110	62 to 122V	600-1200mA	PU1200C110WSD
277	0.46		128	110	02101220	000-1200MA

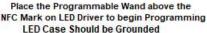
LIMITED WARRANTY

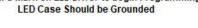
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length					
Colour	inc	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			
Pink	7.1	18			
Purple	7.1	18			







26

166

174

0-10V Dimmer

compatibility chart				
LUTRON	LEVITON			
NFTV	DS710-10Z			
DVTV-WH				

Case	e Size	Serie	es CH3U
L	W	Н	ML
174	91	44	166mm
6.85	3.58	1.7	6.54inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Sage

# **120-347V** Multi Voltage Fixed Current LED Drivers

Sage Multi Voltage **120V** - **347V** drivers are designed to provide maximum flexibility for the Fixture Manufacturers to design a wide range of luminaires for multiple input voltage application that could be applied worldwide, while maintaining the lo West level of inventory possible.

These dimmable drivers offer flexibility for the Fixture Manufacturers to install the drivers in luminaires. It is also easy to combine into common dimming systems accessible in commercial applications.

# **120V-347V LED DRIVER 60W 0-10V Dimming** Output Range 24V to 40V Constant Current **1500mA** Max **60W**

Multi Voltage 120-347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL Certifie	ed, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG    -18 ft
Typical Efficiency:	<b>87</b> %		

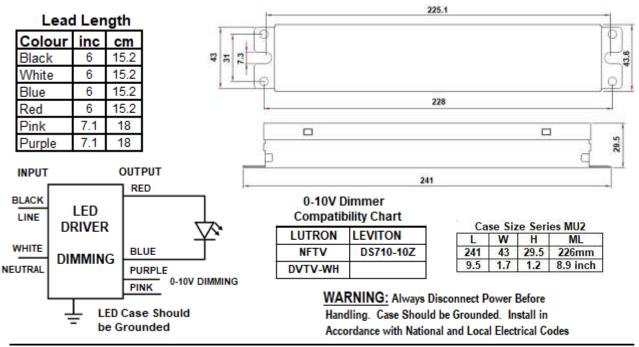
#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.60A	60	60	24 to 40V	1.5A	NM1500C60WRSD
347	0.20A	69	60	24 10 40 V	1.5A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.



# Dimming

# **120-277V Linear or Circular Open Frame**

# **Fixed Current LED Drivers**

Sage offers custom design Open Frame 120V - 277V drivers to provide maximum flexibility for the Fixture Manufacturers to design low profile or circular luminaires that could be applied worldwide.

These dimmable Fixed Current drivers are currently available up to 240W at maximum1.38 inch height. It is also easy to combine into common dimming systems accessible in commercial applications.

# LED DRIVER OPEN FRAME 32W 0-10V Dimming Output Range 22V to 36V Constant Current 900mA Max 32W

Universal Voltage 120-277V Electronic Constant Current Open Frame LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 32W maximum.

## **Technical Specification:**

<b>ROHS</b> Compliant		Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	Class A	Output Load range	<u>+</u> 5%
Output Open/Short F	Protection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	THD:	< 20%
Max. Case Temp:	70° C	Power Factor Min:	0.90
Typical Efficiency:	85%	Remote Mounting Distance:	18AWG -18 ft
Open Frame			

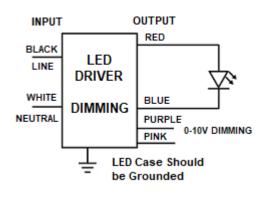
#### Case Size: OP1D

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.32A	- 38	32	22 to 36V	0.9A	OU900C32WSD
277	0.14A	30	32	22 10 30 V	0.9A	00900032W3D

LIMITED WARRANTY

2 YEAR at maximum case temperature 70 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

#### **Open Frame Approx Dimensions**

L	W	H
150mm	30mm	23mm
5.9inch	1.18inch	09.inch

0-10V Dimmer Compatibility Chart

	-
LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	



# CIRCULAR LED DRIVER OPEN FRAME 0-10V Dimming Output Range 22V to 36V Constant Current **1670mA** Max **60W**

Universal Voltage 120-277V Electronic Constant Current Open Frame Circular LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 60W maximum.

### **Technical Specification:**

ROHS CompliantEMIFCC Part 15, Class ARating:Surge: 2KVOutput Open/ShortProtectionMin. Starting Temp:- 40° CMax. Temp:50° CTypical Efficiency:88%Open Frame

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	ll Load: 18AWG -18 ft

#### Case Size: Series OP2D

Due to continuing effor	ts to offer improved p	roducts all specification	ons are subiect to chan	ae without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.6A - 0.26A	68	60	22 to 36V	1.67A	OU1670C60WSD

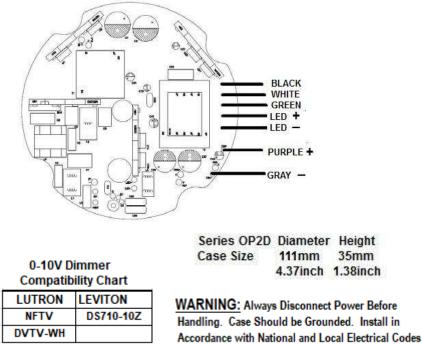
#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18
Purple	7.1	18







# CIRCULAR LED DRIVER OPEN FRAME 0-10V Dimming Output Range 22V to 36V Constant Current **2780mA** Max **100W**

Universal Voltage 120-277V Electronic Constant Current Open Frame Circular LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 100W maximum.

## **Technical Specification:**

ROHS CompliantEMIFCC Part 15, Class ARating:Surge: 2KVOutput Open/ShortProtectionMin. Starting Temp:- 40° CMax. Temp:50° CTypical Efficiency:88%Open Frame

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	ll Load: 18AWG -18 ft

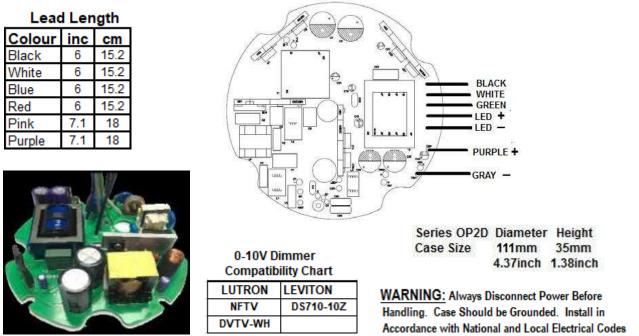
#### Case Size: Series OP2D

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.96A - 0.42A	114	100	22 to 36V	2.78A	OU2780C100WSD

#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# CIRCULAR LED DRIVER OPEN FRAME 0-10V Dimming Output Range 22V to 36V Constant Current **4500mA** Max **160W**

Universal Voltage 120-277V Electronic Constant Current Open Frame Circular LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 160W maximum.

### **Technical Specification:**

<b>ROHS</b> Compliant	
EMI FCC Part 15, C	lass A
Rating: Surge: 2KV	
Output Open/Short P	rotection
Min. Starting Temp:	- 40° C
Max. Temp:	50° C
Typical Efficiency:	88%
Open Frame	

# Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGDimming:3 in 1 (PWM, 1-10V, Resistance)

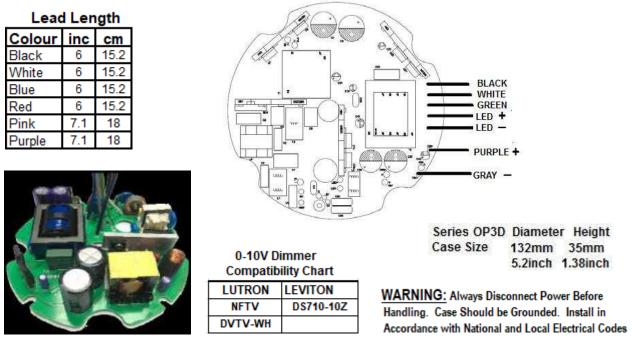
#### Case Size: Series OP3D

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.48A - 0.64A	182	160	22 to 36V	4.5A	OU4500C160WSD

#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# **CIRCULAR LED DRIVER OPEN FRAME 0-10V Dimming** Output Range 22V to 36V Constant Current 6670mA Max 240W

Universal Voltage 120-277V Electronic Constant Current Open Frame Circular LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 240W maximum.

#### **Technical Specification:**

**ROHS** Compliant EMI FCC Part 15, Class A Rating: Surge: 2KV **Output Open/Short Protection** Min. Starting Temp: - 40° C 50° C Max. Temp: **Typical Efficiency:** 88% **Open Frame** 

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full Loo	ad: 18AWG -18 ft

#### Case Size: Series OP4D

	1 1 1 11 11 16 11	
Due to continuing efforts to offer improve	d producte all enacifications are	cubiect to change without prior potice

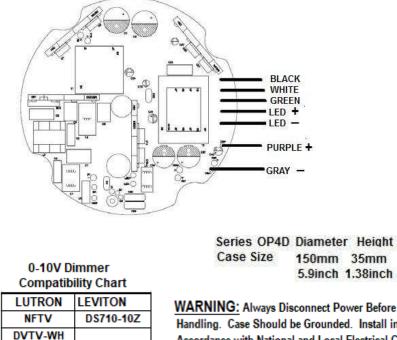
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	2.23A - 0.96A	273	240	22 to 36V	6.67A	OU6670C240WSD

LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18
Purple	7.1	18



150mm 35mm 5.9inch 1.38inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{L}^{age}_{ighting \ ltd.}$ 

# Sage

# Non-Dimming Circular Open Frame

# Constant Voltage 120-277V LED Drivers

Sage offers custom design Open Frame 120V - 277V drivers to provide maximum flexibility for the Fixture Manufacturers to design low profile or circular luminaires that could be applied worldwide.

These non-dimmable Constant Voltage drivers are currently available up to 240W at maximum 1.38 inch height.

# **CIRCULAR LED DRIVER OPEN FRAME Single Output** Low Voltage 36V Output Constant Voltage Max **60W**

Electronic Universal Voltage Input 120V-277V Open Frame Circular LED Driver. 36V output Constant Voltage for Single circuit 60W maximum.

## **Technical Specification:**

<b>ROHS</b> Compliant		Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: Surge: 2KV		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Temp:	50° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	88%	Open Frame	

#### Case Size: Series OP2D

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.26A – 0.60A	69	60	36V	1.66A	OU36V60WS

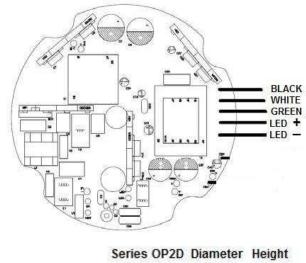
LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

	-	
Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.8	20
Red	7.8	20





Series OP2D Diameter Height Case Size 111mm 35mm 4.37inch 1.38inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# **CIRCULAR LED DRIVER OPEN FRAME Single Output** Low Voltage 36V Output Constant Voltage Max **100W**

Electronic Universal Voltage Input 120V-277V Open Frame Circular LED Driver. 36V output Constant Voltage for Single circuit 100W maximum.

### **Technical Specification:**

<b>ROHS</b> Compliant		Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	Class A	Output Load range	<u>+</u> 5%
Rating: Surge: 2KV		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Temp:	50° C	Remote Wiring Distance Full L	_oad: 18AWG
Typical Efficiency:	88%	Open Frame	

#### Case Size: Series OP2D

1	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice						
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120V-277V	0.42A – 0.98A	114	100	36V	2.77A	OU36V100WS

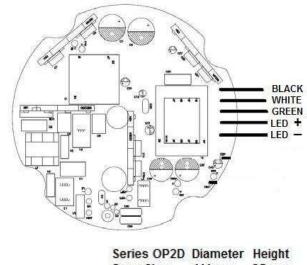
#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

	-	
Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.8	20
Red	7.8	20





Series OP2D Diameter Height Case Size 111mm 35mm 4.37inch 1.38inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# CIRCULAR LED DRIVER OPEN FRAME Single Output Low Voltage 36V Output Constant Voltage Max **160W**

Electronic Universal Voltage Input 120V-277V Open Frame Circular LED Driver. 36V output Constant Voltage for Single circuit 100W maximum.

### **Technical Specification:**

<b>ROHS</b> Compliant		Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	Class A	Output Load range	<u>+</u> 5%
Rating: Surge: 2KV		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Temp:	50° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	88%	Open Frame	

#### Case Size: Series OP3D

Design the second	· · · · · · · · · · · · · · · · · · ·	the second state of the second second state of the second s
LULE TO CONTINUING ETFORTS TO OTTER IN	nnroved broducts all specifications	are subject to change without prior notice
Due to continuing enorte to oner in	provod producto an opcomoditorio	are subject to change without phot notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.64A – 1.48A	178	160	36V	4.44A	OU36V160WS

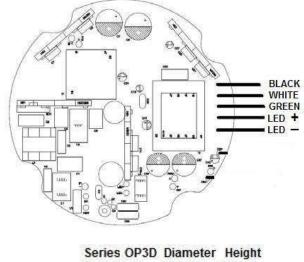
#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

U						
Colour	inch	cm				
Black	11.8	30				
White	11.8	30				
Green	11.8	30				
Blue	7.8	20				
Red	7.8	20				





Case Size 132mm 35mm 5.2inch 1.38inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# CIRCULAR LED DRIVER OPEN FRAME Single Output Low Voltage 36V Output Constant Voltage Max 240W

Electronic Universal Voltage Input 120V-277V Open Frame Circular LED Driver. 36V output Constant Voltage for Single circuit 240W maximum.

## **Technical Specification:**

<b>ROHS</b> Compliant		Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: Surge: 2KV		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Temp:	50° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency:	89%	Open Frame	

Case Size: Series OP4D

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.96A – 2.23A	267	240	36V	6.66A	OU36V240WS

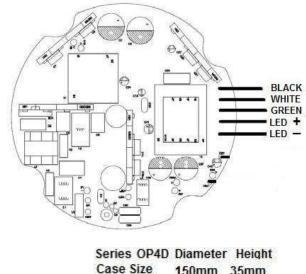
LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm			
Black	11.8	30			
White	11.8	30			
Green	11.8	30			
Blue	7.8	20			
Red	7.8	20			





Size 150mm 35mm 5.9inch 1.38inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\overset{age}{Lighting}$  ltd.



# Dimming

# Fixed Current High KV Surge

# **120-277V LED Drivers**

These drivers are available in different case dimensions with Output terminal blocks and input leads options for the Fixture Manufacturers to install the drivers in luminaires. It is also easy to combine into common dimming systems accessible in commercial applications.

Dimmable or non-dimmable options in 120-277V or 347V Input voltages are offered

# LED DRIVER 120W 0-10V Dimming

#### Output Range 70V to 114V Constant Current **1050mA** Max **120W** Surge 6KV

Universal Voltage 120-277V Electronic Constant Current 1050mA LED Driver. 0-10V Dimming. Output Range of 70V to 114V for Single circuit 120W maximum.

#### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C down to 25% load Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGSurge:6KV

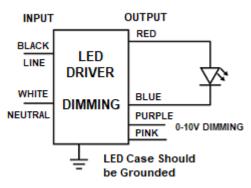
Case Size: Series FS4

[	ue to continuing effort	s to offer improved pro	ducts all spec	ifications are subject to	change without prior no	tice 1/9	/17
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120V-277V	1.45A - 0.64A	134	120	70 to 114V	1.05A	NU1050C120WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Lead Length

Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18
Purple	7.1	18

0-10V Dimmer					
Compatibility Chart					
LUTRON	LEVITON				
NFTV	D\$710-10Z				
DVTV-WH					

L	W	Н	ML
241	61	40	226mm
9.5	2.4	1.57	8.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

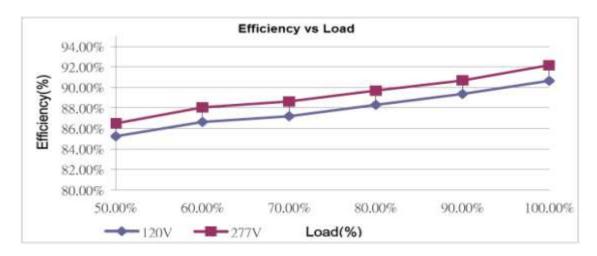
# LED DRIVER 120W 0-10V Dimming

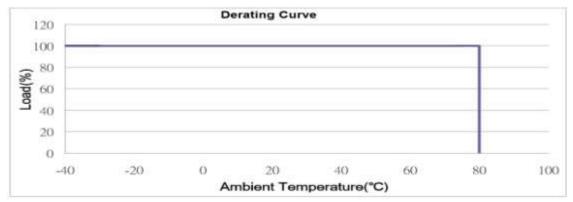
Output Range 70V to 114V Constant Current 1050mA Max 120W

Surge 6KV

#### NU1050C120WSD Series FS4

Page...2









# LED DRIVER 200W 0-10V Dimming

Output Range 114V to 190V Constant Current **1050mA** Max **200W** Surge 6KV

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 114V to 190V for Single circuit 200W maximum.

#### **Technical Specification:**

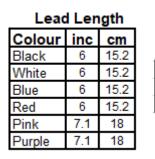
UL, CUL Recognized, R	OHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%	
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ	
Output Open/Short P	rotection	THD:	< 20%	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90	
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG - 18 ft	
Typical Efficiency:	93%	Surge:	6KV	

Case Size: Series FS5

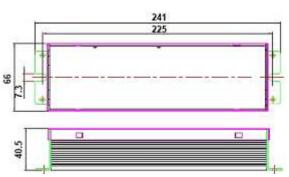
Due to continuing effor	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/10/20					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	215	200	114 to 190V	1.05A	NU1050C200WSD

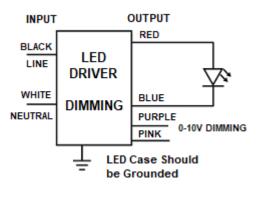
LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer









Case Size Series FS5					
L	W	Н	ML		
241	66	40.5	226mm		
9.5	2.6	1.6	8.9inch		

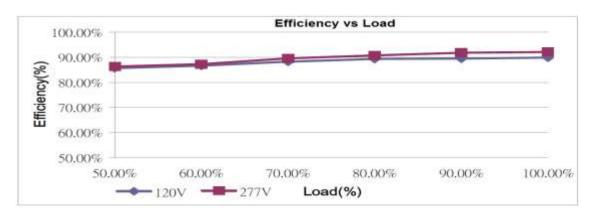
WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

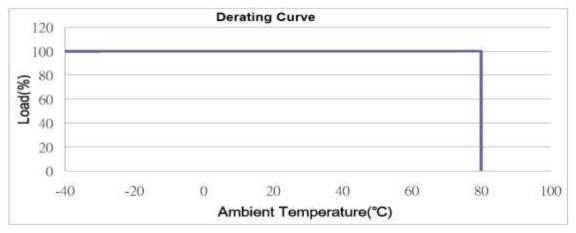
# LED DRIVER 200W 0-10V Dimming

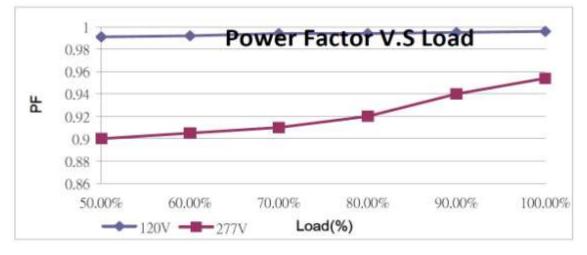
Output Range 114V to 190V Constant Current **1050mA** Max **200W** Surge 6KV

#### NU1050C200WSD Series FS5

Page...2









# Sage Dimming & Non- Dimming IP67 347V LED Drivers

# **Fixed Current**

Sage offers 347V Dimmable & Non-Dimmable fixed Current LED Drivers and continuously design to specification a wide variety of Custom drivers with multiple output values. These drivers provide flexibility for the Fixture Manufacturers to offer wide range of luminaires including Outdoor fixtures.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 350mA to 4200mA

# **347V LED DRIVER 100W 0-10V Dimming** Output Range 172V to 286V Constant Current **350mA** Max **100W IP67**

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 172V to 286V for Single Output circuit 100W maximum

#### **Technical Specification:**

Class 1 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A	Input Voltage range: Output Load range	<u>+</u> 10% + 5%
Rating: IP67	Input Frequency:	
Output Open/Short Protection	THD:	< 10%
Min. Starting Temp: - 40° C	Power Factor Min:	0.9
Max. Case Temp: 90° C	Remote Wiring Distance Full Loo	ad: 18AWG -18 ft
Typical Efficiency: 90%	Surge Protection:	3 KV

Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.64A	110	100	172 to 286V	0.35A	NC350C100WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length					
Colour	inc	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			
Pink	7.1	18			
Purple	7.1	18			



compatibility chart						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						

Case Size Series FS8

H

39

1.54

ML

226mm

8.9inch

W

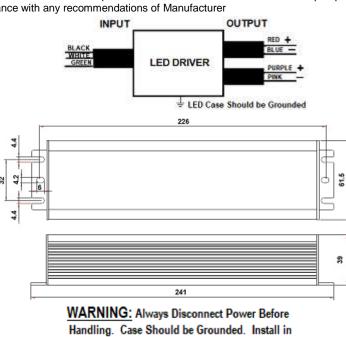
61.5

2.42

E

241

9.5



Accordance with National and Local Electrical Codes



# **347V LED DRIVER 42W 0-10V Dimming** Output Range 35V to 60V Constant Current **700mA** Max **42W IP67**

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 35V to 60V for Single circuit 42W maximum

### **Technical Specification:**

Class 2 UL, CUL Recognized, I EMI FCC Part 15, Class A	ROHS Compliant	Input Voltage range: Output Load range	<u>+</u> 10% <u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Protection	on	THD:	< 10%
Min. Starting Temp: - 40°	С	Power Factor Min:	0.9
Max. Case Temp: 90° C		Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency: 87%		Surge Protection:	зKV

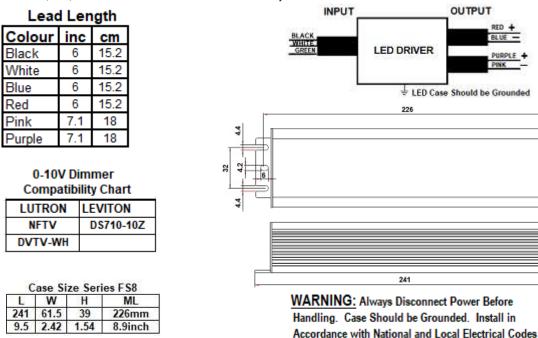
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.32A	49	42	35 to 60V	0.7A	NC700C42WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



93

5

# 347V LED DRIVER 57W 0-10V Dimming Output Range 34V to 57V Constant Current 1000mA Max 57W IP67

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 34V to 57V for Single circuit 57W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:<</td>10%Power Factor Min:0.9Remote Wiring Distance Full Load:18AWG-18 ftSurge Protection:3 KV

Case Size: Series FS8

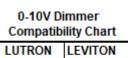
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.5A	66	57	34 to 57V	1.0A	NC1000C57WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length						
Colour	inc	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				



LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

**Case Size Series FS8** 

Н

39

1.54

ML

226mm

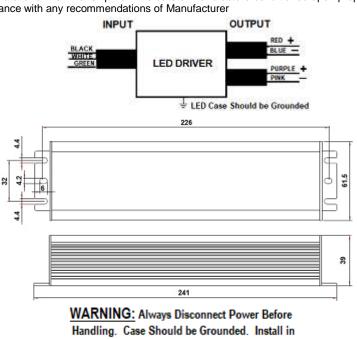
8.9inch

W

61.5

9.5 2.42

241



Accordance with National and Local Electrical Codes



# 347V LED DRIVER 40W 0-10V Dimming

## Output Range 28V to 36V Constant Current **1100mA** Max **40W** IP67

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 28V to 36V for Single circuit 40W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 10%</td>Power Factor Min:0.95Remote Wiring Distance Full Load:18AWGSurge Protection:3 KV

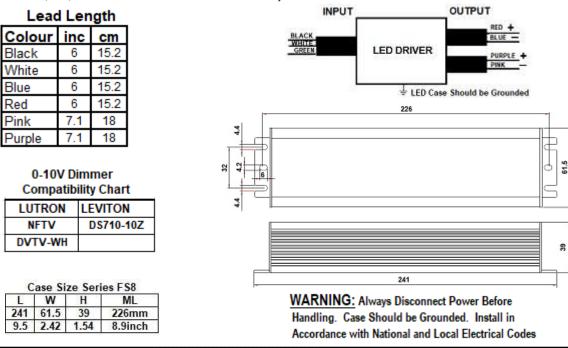
#### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.14A	46	40	28 to 36V	1.1A	NC1100C40WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# **347V LED DRIVER 52W 0-10V Dimming** Output Range 25V to 42V Constant Current **1240mA** Max **52W IP67**

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 52W maximum.

## **Technical Specification:**

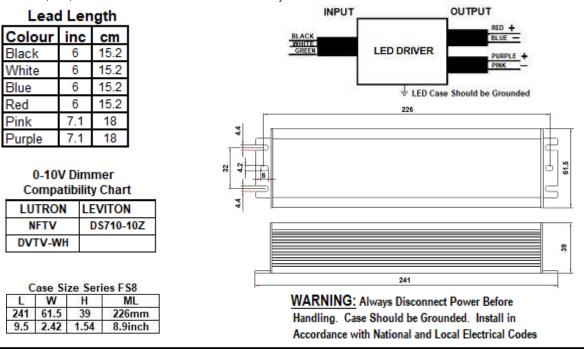
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	Protection	THD:	< 10%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.9
Max. Case Temp:	90° C	Remote Wiring Distance Ful	Load: 18AWG -18 ft
Typical Efficiency:	<b>87</b> %	Surge Protection:	зKV
			Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGI		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC	OUTPUT CURRENT DC AMPS	MODEL
347	0.5A	60	52	25 to 42V	1.24A	NC1240C52WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER 84W 0-10V Dimming Output Range 24V to 40V Constant Current 2100mA Max 84W **IP67**

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 84W maximum

#### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 10%
Min. Starting Temp: - 40° C	Power Factor Min:	0.9
Max. Case Temp: 90° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency: 89%	Surge Protection:	2 KV

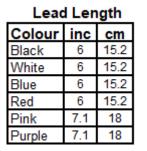
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.28A	94	84	24 to 40V	2.1A	NC2100C84WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



0-10V Dimmer Compatibility Chart

·	-
LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series FS8

н

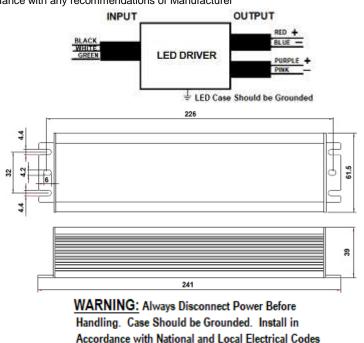
39

9.5 2.42 1.54 8.9inch

W

61.5

241



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



ML

226mm

## 347V LED DRIVER 150W 0-10V Dimming Output Range 32V to 54V Constant Current 2800mA Max 150W IP67

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single Output circuit 150W maximum

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 10%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGSurge Protection:2 KV

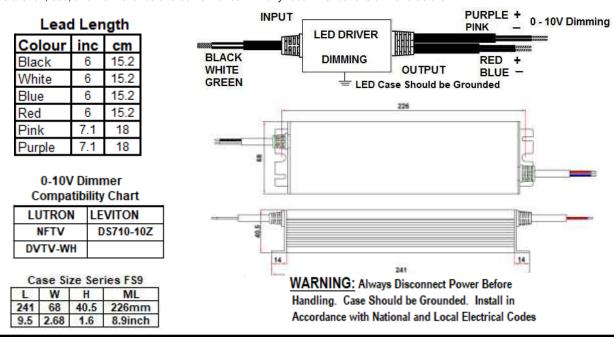
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC	OUTPUT CURRENT DC AMPS	MODEL
347	0.28A	170	150	32 to 54V	2.8A	NC2800C150WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## **347V LED DRIVER 150W 0-10V Dimming** Output Range 22V to 36V Constant Current **4200mA** Max **150W IP67**

347V input Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 150W maximum

## **Technical Specification:**

UL, CUL Recognized, F	ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency: 50/60HZ	
Output Open/Short P	rotection	THD:	< 10%
Min. Starting Temp: - 40° C		Power Factor Min: 0.90	
Max. Case Temp:	90° C	Remote Wiring Distance Full I	_oad: 18AWG
Typical Efficiency:	89%	Surge Protection:	2 KV

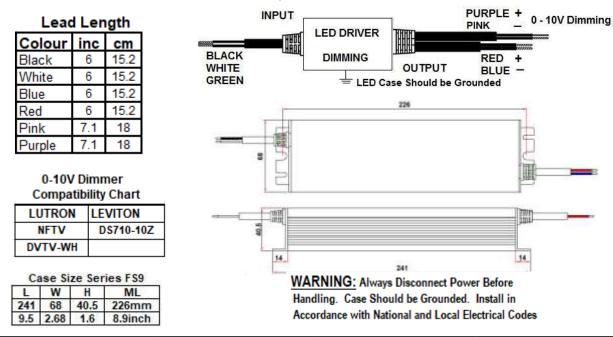
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.5A	170	150	22 to 36V	4.2A	NC4200C150WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# Sage Dimming & Non- Dimming

# **IP67** 120-277V LED Drivers

## **Fixed Current**

Sage offers 120 to 277V Dimmable & Non-Dimmable fixed Current LED Drivers and continuously design to specification a wide variety of Custom drivers with multiple output values. These drivers provide flexibility for the Fixture Manufacturers to offer wide range of luminaires including Outdoor fixtures.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 310mA to 5000mA

## LED DRIVER 13W 0-10V Dimming

Output Range 25V to 42V Constant Current **310mA** Max **13W** 

Universal Voltage 120-277V 310mA Electronic Constant Current LED Driver 0-10V Dimming. Output Range between 25V to 42V for Single Output circuit 13W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Com	pliant Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency: 85%		

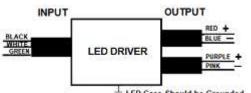
### Case Size: Series C10

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.27	45	40	05 to 401/	0.044	
277	0.11A	15	13	25 to 42V	0.31A	NU310C13WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



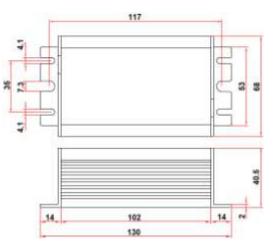
1 LED Case Should be Grounded

0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series C10						
L	W	Н	ML			
130	68	40.5	117mm			
5.12	2.68	1.6	4.6inch			

Lead Length						
Colour	inc	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

## LED DRIVER 8W 0-10V Dimming

### Output Range 14V to 24V Constant Current **350mA** Max **8W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 14V to 24V for Single circuit 8W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Pr	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency:	80%		

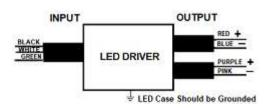
### Case Size: Series C10

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.16A	10	0	14 to 24V	4 to 24V 0.35A	NU350C8WSD-IP67
277	0.07A	10	8	14 (0 24 V	0.35A	110330001130-1607

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

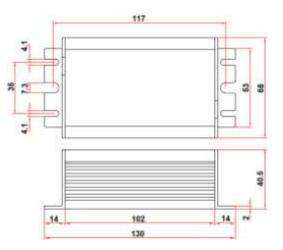


#### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series C10						
L	W	Н	ML			
130	68	40.5	117mm			
5.12	2.68	1.6	4.6inch			

Lead Length						
Colour	inc	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ghting ltd.

## LED DRIVER 100W 0-10V Dimming

## Output 170V to 285V Constant Current 350mA Max 100W **IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 170V to 285V for Single Output circuit 100W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Co	mpliant Input V	Voltage range: <u>+</u> 10%	
EMI FCC Part 15, Class A	Output	t Load range <u>+</u> 5%	
Rating: IP67	Input F	Frequency: 50/60HZ	
<b>Output Open/Short Protection</b>	THD:	< 20%	
Min. Starting Temp: - 40° C	Power	Factor Min: 0.90	
Max. Case Temp: 90° C	Remote	e Wiring Distance Full Load: 18AWG -18 fl	Ł
Typical Efficiency: 90%			

### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

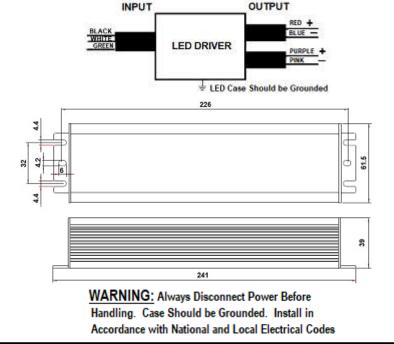
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	111	1.78	100	170 to 285V	0.35A	NU350C100WSD-IP67
277	111	0.78	100	170 10 2050	0.55A	NU350C100W5D-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inc	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



Colour		CIII	
Black	6	15.2	
White	6	15.2	
Blue	6	15.2	
Red	6	15.2	
Pink	7.1	18	
Purple	7.1	18	

#### 0-10V Dimmer Compatibility Chart

compatibility chart					
LUTRON	LEVITON				
NFTV	DS710-10Z				
DVTV-WH					

C	ase Si	ze Seri	es FS8
L	W	Н	ML
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch

## LED DRIVER 48W 0-10V Dimming

## Output Range 54V to 90V Constant Current **530mA** Max **48W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 54V to 90V for Single circuit 48W maximum.

## **Technical Specification:**

UL, CUL Recognized, I	ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	<b>87</b> %		

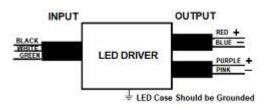
### Case Size: Series C9U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

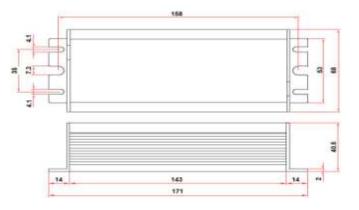
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.68A	FF	40	E4 to 00\/	0.524	NU530C48WSD-IP67
277	0.3A	55	48 54 to 90V 0.53A <b>NU</b>		NU550C46WSD-IF07	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



		Cas	se Siz	e Seri	es C9U		
Lear	11.00	ath	[	L	W	Н	ML
Lead Length				171	68	40.5	158mm
Colour	inc	cm	[	6.73	2.68	1.6	6.22inch
Black	6	15.2					
White	6	15.2			0- <b>10V</b>	Dimn	ner
Blue	6	15.2		Co	ompa	tibility	Chart
Red	6	15.2		LU	TRON	I LE	VITON
Pink	7.1	18		N	FTV	D	\$710-10Z
Purple	7.1	18		DV	TV-WI	1	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 25W 0-10V Dimming

## Output Range 26V to 42V Constant Current **600mA** Max **25W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 26V to 42V for Single circuit 25W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recogr	iized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Pr	otection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	88%		

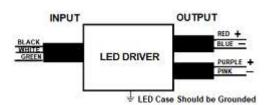
### Case Size: Series C10

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.44A	28	25	26 to 42V	0.6A	NU600C25WSD-IP67
277	0.19A	20	20	2010420	0.0A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

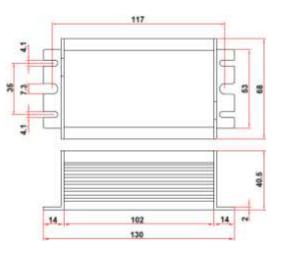


0-10V	Dimn	ner
Compat	ibility	Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series C10			
L	W	Н	ML
130	68	40.5	117mm
5.12	2.68	1.6	4.6inch

Lead	Lead Length				
Colour	inc	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			
Pink	7.1	18			
Purple	7.1	18			



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 30W 0-10V Dimming

## Output Range 27V to 45V Constant Current **650mA** Max **30W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 27V to 45V for Single circuit 30W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recogniz	ed, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Clas	s A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Prot	tection	THD:	< 20%
Min. Starting Temp: -	40° C	Power Factor Min:	0.90
Max. Case Temp: 9	0° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency: 8	6%		

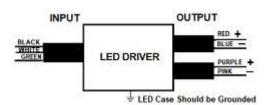
### Case Size: Series C10

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.4A	25	20	07 to 451/	0.65A	NU650C30WSD-IP67
277	0.17A	35	30	27 to 45V	0.00A	NU050C30W3D-IF07

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

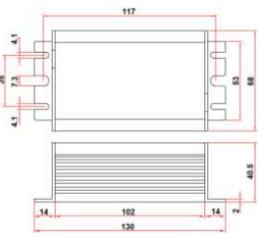


0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series C10			
L	W	Н	ML
130	68	40.5	117mm
5.12	2.68	1.6	4.6inch

Lead	l Len	igth
Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18
Purple	7.1	18



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 25W 0-10V Dimming

## Output Range 22V to 36V Constant Current **700mA** Max **25W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 25W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Complia	ant Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< <b>20</b> %
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency: 85%		

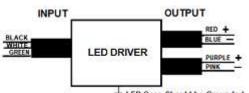
### Case Size: Series C10

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.4A	30	25	22 to 36V	0.7A	NU700C25WSD-IP67
277	0.17A	30	20	22 10 30 V	0.7A	NU700C25WSD-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



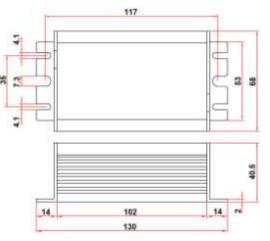
± LED Case Should be Grounded

0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series C10					
L	W	Н	ML		
130	68	40.5	117mm		
5.12	2.68	1.6	4.6inch		

Lead	Lead Length				
Colour	inc	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			
Pink	7.1	18			
Purple	7.1	18			



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 42W 0-10V Dimming

## Output Range 36V to 60V Constant Current **700mA** Max **42W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 42W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Inpu
EMI FCC Part 15, Class A	Out
Rating: IP67	Inpu
Output Open/Short Protection	THE
Min. Starting Temp: - 40° C	Pov
Max. Case Temp: 90° C	Rem
Efficiency: 85%	

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.95Remote Wiring Distance Full Load:18AWG -18 ft Typical

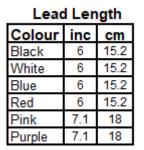
### Case Size: Series FS8

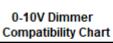
Due to continuing efforts to offer in	proved products all specifications are	e subject to change without prior notice
Buo to continuing onor to to onor in	provou producto an opecinicatione are	o oubjeet to change maneut phot neade

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.44A	50	42	36 to 60V	0.7A	NU700C42WSD-IP67
277	0.19A	52	42	30 10 00 V	0.7A	NU/00C42WSD-IF0/

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

**Case Size Series FS8** 

H

39

1.54

ML

226mm

8.9inch

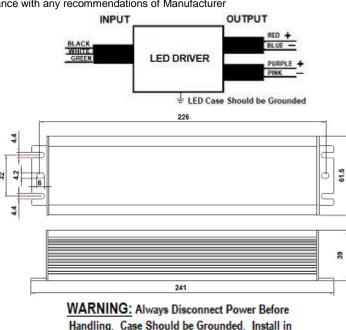
W

61.5

9.5 2.42

E

241



Accordance with National and Local Electrical Codes



## LED DRIVER 50W 0-10V Dimming

## Output Range 43V to 71V Constant Current **700mA** Max **50W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 43V to 71V for Single circuit 50W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 85%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft Typical

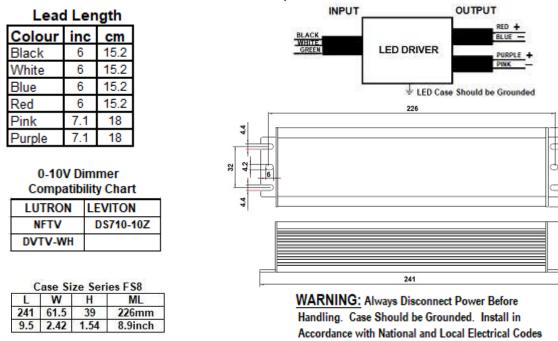
### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

ſ	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.50A	50	50	43 to 71V	0.7A	NU700C50WSD-IP67
	277	0.22A	58	50	43 10 7 1 V	0.7A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



61.5

8

## LED DRIVER 100W 0-10V Dimming

## Output 85V to 143V Constant Current 700mA Max 100W **IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 85V to 143V for Single Output circuit 100W maximum.

### **Technical Specification:**

ROHS Compliant	Input Voltage
Class A	Output Load
	Input Frequer
Protection	THD:
- 40° C	Power Factor
90° C	Remote Wiring
90%	
	Class A Protection - 40° C 90° C

Due to continuing offering to offer improved and unter 11 provident income and institute above without mission of in

+ 10% e range: range + 5% 50/60HZ ncy: < 20% r Min: 0.90 g Distance Full Load: 18AWG -18 ft

### Case Size: Series FS8

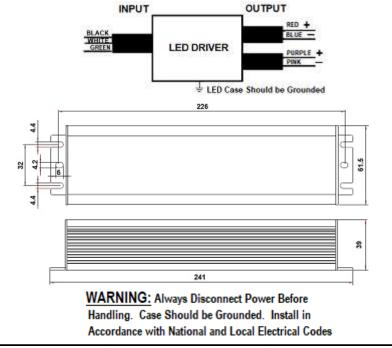
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.0A	112	100	85 to 143V	0.7A	NU700C100WSD-IP67
277	0.42A	112	100	05 10 145 0	0.77	N0700C100W3D-IF07

#### LIMITED WARRANTY

purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage,

### Lead Length

		-
Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18
Purple	7.1	18



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the installation, use, and maintenance and conformance with any recommendations of Manufacturer

Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18
Purple	7.1	18

#### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON				
NFTV	DS710-10Z				
DVTV-WH					

C	ase Si	ze Seri	es FS8
L	W	Н	ML
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch

## LED DRIVER 120W 0-10V Dimming

## Output Range 103V to 171V Constant Current **700mA** Max **120W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 103V to 171V for Single Output circuit 120W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft Typical

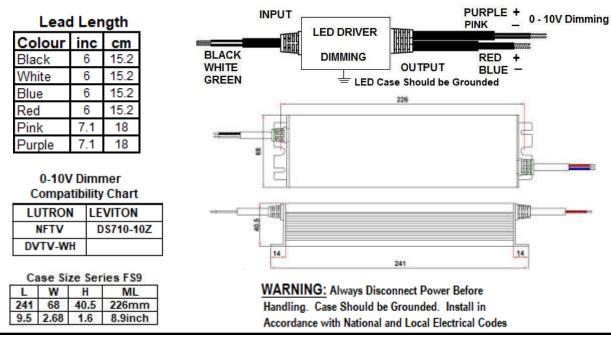
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	137	120	103 to 171V	0.7A	NU700C120WSD-IP67
277	0.64A	137	120	103 10 17 1 0	0.7A	N0700C120W3D-IP07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

## LED DRIVER 150W 0-10V Dimming

## Output Range 128V to 214V Constant Current **700mA** Max **150W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 128V to 214V for Single Output circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft Typical
Efficiency: 90%		

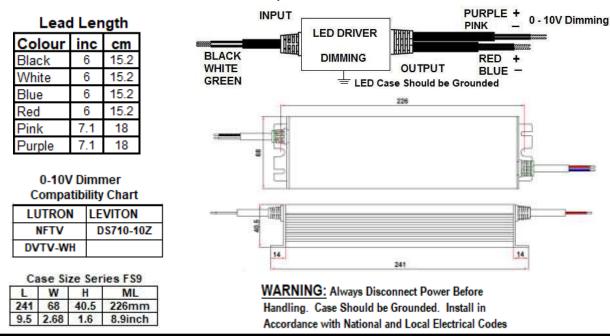
### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	166	150	128 to 214V	0.7A	NU700C150WSD-IP67
277	0.64A	100	130	120102140	0.7A	NO700C150W3D-IP07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 114W 0-10V Dimming

## Output Range 72V to 120V Constant Current **1000mA** Max **114W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 72V to 120V for Single circuit 114W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A

Ratina: IP67

Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 10%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

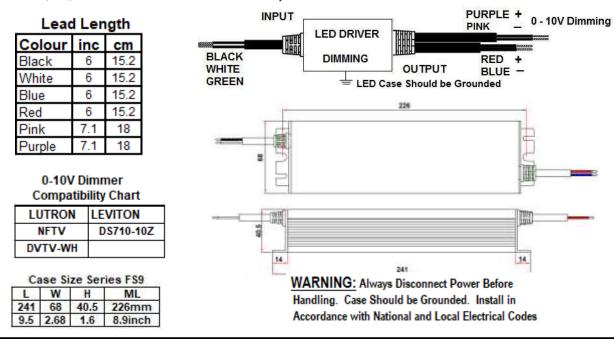
### Case Size: Series FS99

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
120	1.45A	130	111	11/	0 114	20 114 72 to	72 to 120V	0.95A	NU950C114WSD-IP67
277	0.64A	130	114	12101200	0.95A	1095001140050-1207			

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 57W 0-10V Dimming

## Output Range 35V to 57V Constant Current 1000mA Max **57W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 35V to 57V for Single circuit 57W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67, Class	2 UL	Input Frequency:	50/60HZ
Output Open/Short P	Protection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.95
Max. Case Temp:	90° C	Remote Wiring Distance Full L	.oad: 18AWG -18 ft
Typical Efficiency:	85%		

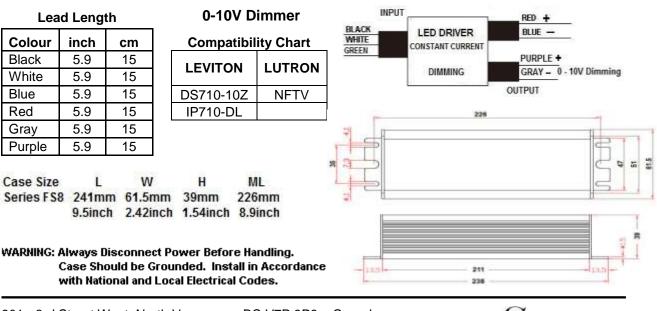
### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.6A	70	57	25 to 57\/	1.0A	NU1000C57WSD-IP67
277	0.26A	70	57 35 to 57V		1.0A	NO 1000C37 W3D-IP07

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



age ighting ltd.

## LED DRIVER 40W 0-10V Dimming

## Output Range 22V to 36V Constant Current **1100mA** Max **40W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 40W maximum.

### **Technical Specification:**

Class 2 UL, CUL Certified, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.95
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft Typical
Efficiency: 85%		

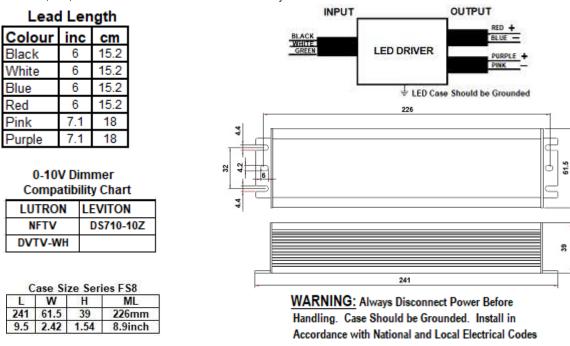
### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.41A	47	40	00 to 00)/	1 1 1	
277	018A	47	40	22 to 36V	1.1A	NU1100C40WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 43W 0-10V Dimming

## Output Range 22V to 36V Constant Current **1200mA** Max **43W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single Output circuit 43W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.9
Max. Case Temp: 90° C Typical Efficiency: 85%	Remote Wiring Distance Full Loc	ad: 18AWG -18 ft

### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.50A	51	42	22 to 36V	1.2A	NU1200C43WSD-IP67
277	0.22A	51	43	22 10 30 V	1.2A	NU1200C43W3D-IP6/

#### LIMITED WARRANTY

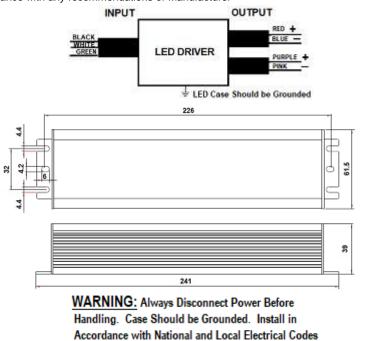
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length							
Colour inc cm							
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple 7.1 18							

0-10V Dimmer Compatibility Chart LUTRON LEVITON NFTV DS710-10Z

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

L	W	H	ML
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch





## LED DRIVER 67W 0-10V Dimming

## Output Range 34V to 56V Constant Current **1200mA** Max **67W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 34V to 56V for Single Output circuit 67W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.9
Max. Case Temp: 90° C Typical Efficiency: 85%	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Linclency: 05%		

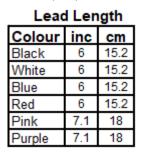
### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.86A	79	67	24 to $56V$	1.24	NU1200C67WSD-IP67
277	0.38A	79	07	67 34 to 56V 1.2A		NU1200C07W3D-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

**Case Size Series FS8** 

н

39

1.54

ML

226mm

8.9inch

W

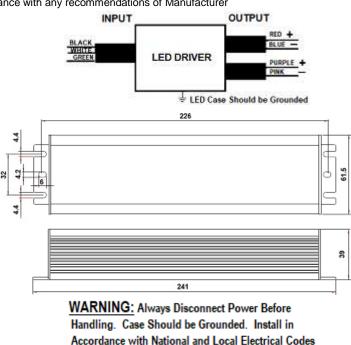
61.5

2.42

E

241

9.5





## LED DRIVER 52W 0-10V Dimming

## Output Range 25V to 42V Constant Current 1240mA Max 52W **IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 52V for Single circuit 52W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.95
Max. Case Temp: 90° C	Remote Wiring Distance Full Lo	ad: 18AWG -18 ft Typical
Efficiency: 80%		

### Case Size: Series FS8

Ľ	ue to continuing efforts to offer improved products all specifications are subject to change without prior notice										
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL				
	120	0.54A	65	52	25 to 42V	1.24A	NU1240C52WSD-IP67				
	277	0249A	05	52	25 10 42 0	1.24A	NU1240C52W5D-IF07				

INPUT



0-10V Dimmer Compatibility Chart

**Case Size Series FS8** 

Н

39

1.54

I EVITON

DS710-10Z

ML

226mm

8.9inch

LUTRON

NFTV

DVTV-WH

W

61.5

2.42

241

9.5

## LED Case Should be Grounded 226 61.5 9 60 241 WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in

LED DRIVER

OUTPUT

RED

Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

 $\dot{Z}^{age}_{ighting}$  (td.

## LED DRIVER 52W 0-10V Dimming

## Output Range 22V to 37V Constant Current **1400mA** Max **52W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 37V for Single circuit 52W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 2 <b>0</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full L	.oad: 18AWG -18 ft
Typical Efficiency:	86%		

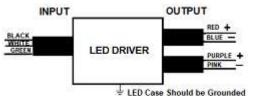
### Case Size: Series C9U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPU VOLTA	-	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	)	0.6A	60	50	22 to 37V	1.4A	NU1400C52WSD-IP67
277	7	0.26A	60	52	22 10 37 0	1.4A	NU1400C32W3D-IF07

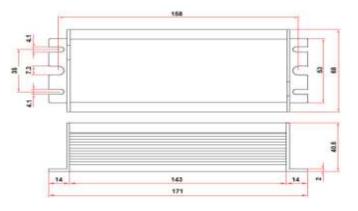
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



	are o	Cobb	Shound	00	orounded

				Cas	se Siz	e Seri	es C9U		
Loop	Lead Length					Н	ML		
				171	68	40.5	158mm		
Colour	inc	cm		6.73 2.68 1.6 6.22ir					
Black	6	15.2							
White	6	15.2	0-10V Dimmer						
Blue	6	15.2		Co	ompa	tibility	Chart		
Red	6	15.2		LUTRON LEVITON					
Pink	7.1	18		NFTV DS710-10Z					
Purple	7.1	18		DV	TV-WI	1			



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 150W 0-10V Dimming

## Output Range 64V to 107V Constant Current **1400mA** Max **150W** IP67

Universal Voltage 120-277V Electronic Constant Current 1400mA LED Driver. 0-10V Dimming. Output Range of 64V to 107V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft Typical

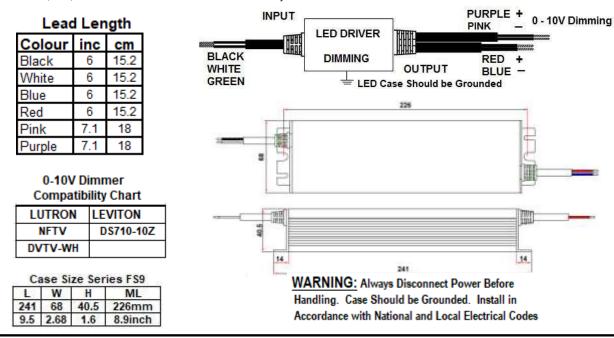
### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.45A	170	150	64 to 107V	1.4A		
277	0.64A	170	150	04 10 107 0	1.4A	NU1400C150WSD-IP67	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 54W 0-10V Dimming

## Output Range 22V to 36V Constant Current **1500mA** Max **54W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 54W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Parts 18, Subparts C, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG -18 ft

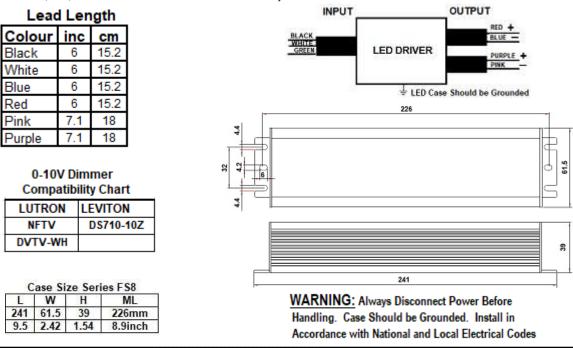
### Case Size: Series FS8

Design of the second se		- a defension de la seconda de 2016 a contra de la seconda de la s Seconda de la seconda de la se Seconda de la seconda de la s Seconda de la seconda de
I IIIA TO CONTINUINO ATTORTS TO OTTAR IMPRO	nvad nroducts all snacifications are	e subject to change without prior notice
Due to containaing enerte to ener impre	ered producte an opcomoducine are	babjeet to change maneat phot nettee

INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.79A	61	54	22 to 36V	1.5A		
277	0.34A	01	54	22 10 30 V	1.5A	NU1500C54WSD-IP67	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 60W 0-10V Dimming

## Output Range 24V to 40V Constant Current 1500mA Max 60W **IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 60W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Parts 18, 9	Subparts C, Class A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C		Remote Wiring Distance Full	Load: 18AWG    -18 ft
Typical Efficiency:	88%		

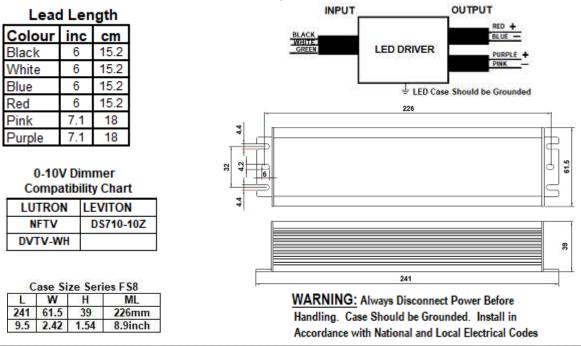
### Case Size: Series FS8

Due to continuing e	efforts to offer impro	ved products a	11 specifications are su	bject to change without prior notice

INPU VOLT/	-		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0	0.60A	74	60	24 to 40V	1.5A	NU1500C60WSD-IP67
27	7	0.26A	/ 1	60	24 10 40 V	I.3A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 84W 0-10V Dimming

## Output Range 29V to 48V Constant Current **1750mA** Max **84W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 84W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Parts 18, 9	Subparts C, Class A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C		Remote Wiring Distance Full	Load: 18AWG    -18 ft
Typical Efficiency:	88%		

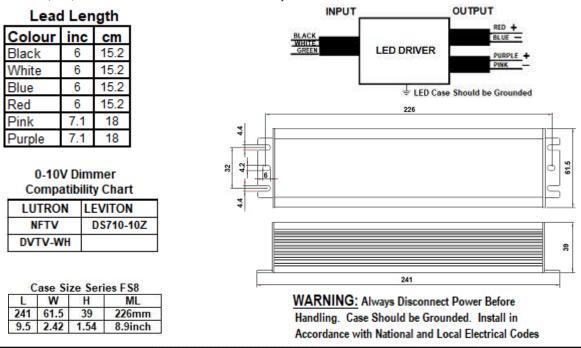
### Case Size: Series FS8

D	ue to continuing e	efforts to offer im	proved	products a	11 specifications are su	bject to change witho	ut prior notice
- E							

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	05	04	29 to 48V	1.75A	NU1750C84WSD-IP67
277	0.34A	95	84	29 10 40 V	1.75A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 96W 0-10V Dimming

## Output Range 33V to 55V Constant Current **1750mA** Max **96W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 33V to 55V for Single circuit 96W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Parts 18, 5	Subparts C, Class A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C		Remote Wiring Distance Full	Load: 18AWG    -18 ft
Typical Efficiency:	88%		

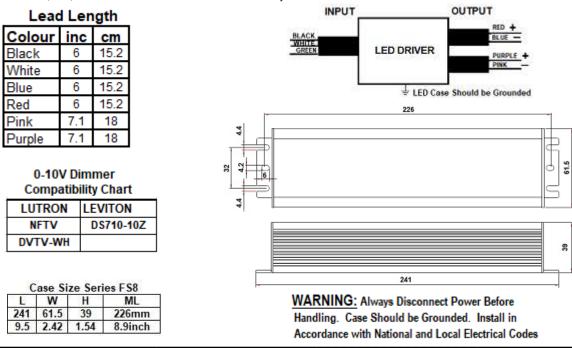
### Case Size: Series FS8

Due to continuing e	efforts to offer imp	roved products	all specifications are s	ubject to change witho	out prior notice	

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.07A	110	06	22 to 551/	1.75A	NU1750C96WSD-IP67
277	0.46A	110	96	33 to 55V	1.75A	NU1/30C30W3D-IF0/

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 150W 0-10V Dimming

### Output Range 50V to 84V Constant Current **1750mA** Max **150W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 50V to 84V for Single Output circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, F	OHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.95
Max. Case Temp:	90° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft Typical
Efficiency:	88%		

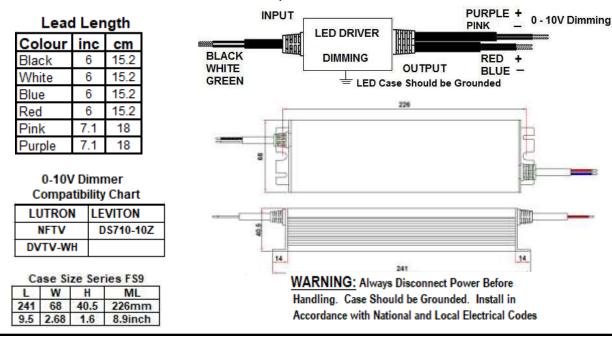
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	150	1.45A	170	50 to 84V	1.75A	NU1750C150WSD-IP67
277		0.64A	170	50 l0 64 V	1.75A	NO1750C150W3D-IF07

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 72W 0-10V Dimming

### Output Range 24V to 40V Constant Current **1800A** Max **72W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 72W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized ROHS Compliant EMI FCC Part 15, Class A	Input Voltage range: Output Load range	+ 5% <u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
Typical Efficiency: 87%		

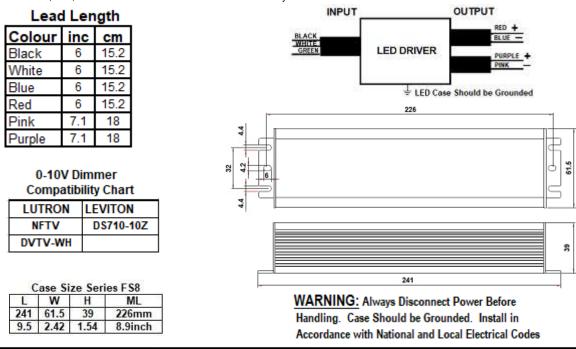
### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.79A - 0.30A	83	72	24 to 40V	1.8A	NU1800C72WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 90W 0-10V Dimming

## Output Range 30V to 50V Constant Current **1800mA** Max **90W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 30V to 50V for Single Output circuit 90W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Co	mpliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
<b>Output Open/Short Protection</b>	1	THD:	< 20%
Min. Starting Temp: - 40° C		Power Factor Min:	0.90
Max. Case Temp: 90° C		Remote Wiring Distance Full Load	l: 18AWG -18 ft
Typical Efficiency: 88%			

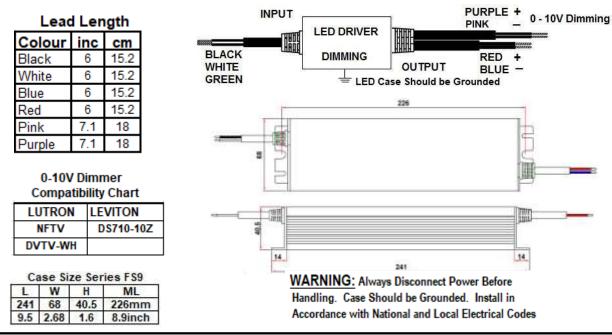
### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.45A	110	113	90	20 to 50\/	1 0 Δ	NU1800C90WSD-IP67
277	0.64A	113	90	30 to 50V	1.8A	NU1000C90W3D-IP07	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 100W 0-10V Dimming

### Output Range 32V to 54V Constant Current **1800mA** Max **100W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single Output circuit 100W maximum.

## **Technical Specification:**

UL, CUL Recognized, R	OHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.9
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	88%		

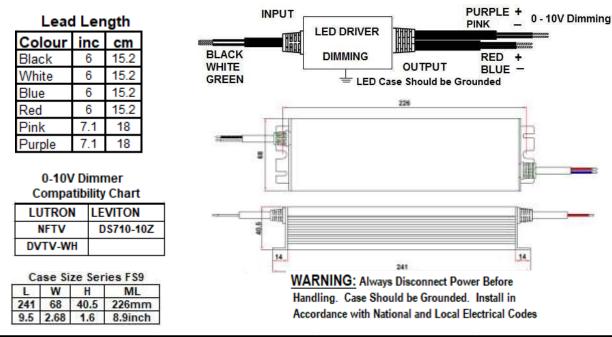
### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	44.4	114 100	32 to 54V	1.8A	NU1800C100WSD-IP67
277	0.64A	114		32 10 34 V	1.0A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 40W 0-10V Dimming

## Output Range 12V to 20V Constant Current **2000mA** Max **40W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 12V to 20V for Single circuit 40W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: <b>IP67</b> Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85%	Input Frequency: THD: Power Factor Min: Remote Wiring Distance Full Loa	50/60HZ < 20% 0.90 d: 18AWG -18 ft

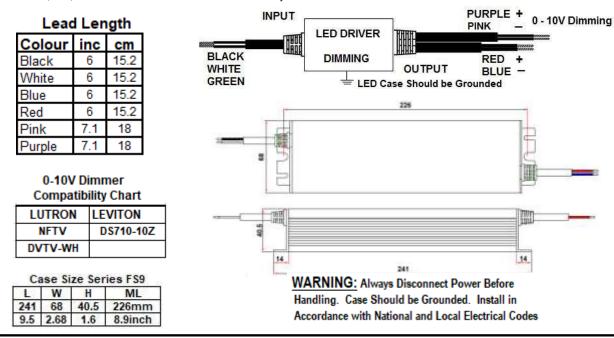
### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAG	INPUT E CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.61A	47	40	12 to 20V	2.0A	NU2000C40WSD-IP67
277	0.27A	47	40	12 10 20 V	2.0A	NU2000C40W3D-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 84W 0-10V Dimming

## Output Range 26V to 42V Constant Current **2000mA** Max **84W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 26V to 42V for Single circuit 84W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	h: 18AWG -18 ft

### Case Size: Series FS8

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	05	0.4	26 to 42 V	2.04	NU2000C84WSD-IP67
277	0.34	95	84	26 to 42V	2.0A	NU2000C04W3D-IP0/

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

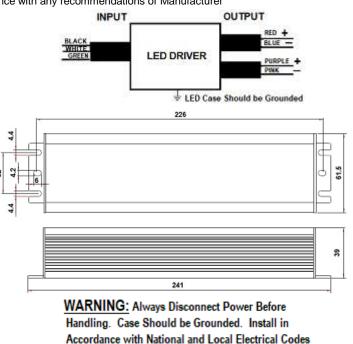
### Lead Length

Colour	inc	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			
Pink	7.1	18			
Purple	7.1	18			

### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

L	W	H	ML
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch



**D**ighting ltd.

## LED DRIVER 86W 0-10V Dimming

## Output Range 26V to 43V Constant Current **2000mA** Max **86W IP67**

Universal Voltage 120-277V Electronic Constant Current 2000mA LED Driver 0-10V Dimming. Output Range of 26V to 43V for Single circuit 86W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	id: 18AWG -18 ft
Typical Efficiency: 88%		

### Case Size: Series FS8

Design of the second se	and a second sector of the second Prese Prese to the second	and a defendent of the second of 20 has a first second of the second s
	A nroducte all enacificatione	are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.95A	00	96	26 to 43V	2.04	NU2000C86WSD-IP67
277	0.41	98	86	2010430	2.0A	110200000000000000000000000000000000000

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

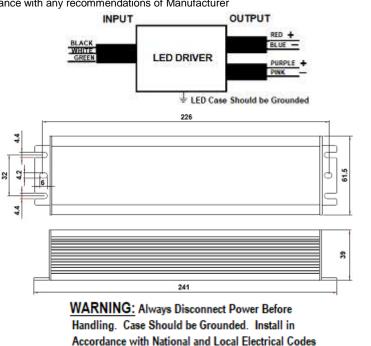
### Lead Length

		_
Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18
Purple	7.1	18

#### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

C	ase Si	ze Seri	es FS8
L	W	Н	ML
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch





## LED DRIVER 84W 0-10V Dimming

### Output Range 24V to 40V Constant Current **2100mA** Max **84W** IP67

Universal Voltage 120-277V Electronic Constant Current 2.1A LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 84W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency: 88%		

### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.79A - 0.34A	95	84	24 to 40V	2.1A	NU2100C84WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length		
Colour	inc	cm
Black	6	15.2
White	6	15.2
Blue	6	15.2
Red	6	15.2
Pink	7.1	18

Purple

### 0-10V Dimmer Compatibility Chart

18

LUTRON	LEVITON	
NFTV	DS710-10Z	
DVTV-WH		

**Case Size Series FS8** 

н

39

1.54

ML

226mm

8.9inch

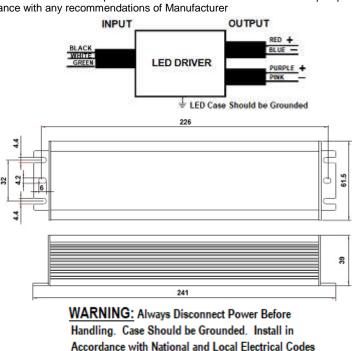
W

61.5

9.5 2.42

E

241





# LED DRIVER 120W 0-10V Dimming Output Range 34V to 57V Constant Current 2100mA Max 120W

IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 34V to 57V for Single Output circuit 120W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

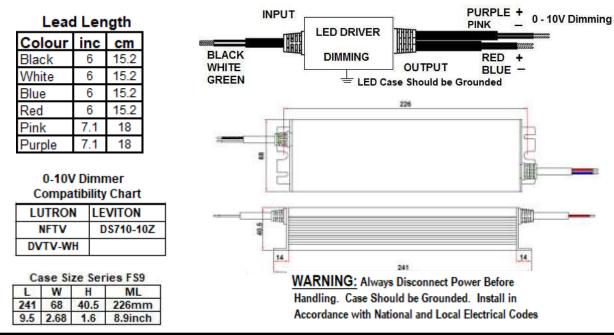
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.45A	136	120	34 to 57V	2.1A		
277	0.64A	130	120	34 10 57 V	2.1A	NU2100C120WSD-IP67	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 75W 0-10V Dimming

# Output Range 16V to 27V Constant Current **2800mA** Max **75W IP67**

Universal Voltage 120-277V Electronic Constant Current 2.8A LED Driver 0-10V Dimming. Output Range of 16V to 27V for Single circuit 75W maximum.

## **Technical Specification:**

UL, CUL Recognized, F	ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	<b>87</b> %		

#### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	87	75	16 to 27V	2.8A	NU2800C75WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

INPLIT

Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					

0-10V Dimmer Compatibility Chart

**Case Size Series FS8** 

Н

39

1.54

LEVITON

DS710-10Z

ML

226mm

8.9inch

LUTRON

NFTV

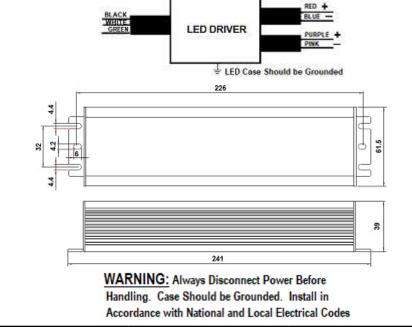
DVTV-WH

W

61.5

9.5 2.42

241



OUTPUT



# LED DRIVER 150W 0-10V Dimming

# Output Range 32V to 54V Constant Current **2800mA** Max **150W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single Output circuit 150W maximum.

# **Technical Specification:**

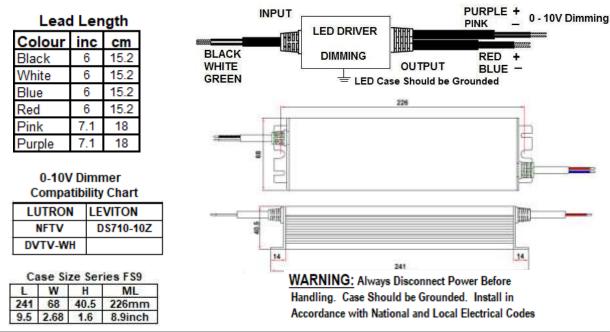
UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	18AWG -18 ft
Typical Efficiency: 90%		

#### Case Size: Series FS9

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/5/22										
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL					
120	1.46A	167	150	32 to 54V	2.8A						
277	0.64A	167	150	32 10 54 V	2.0A	NU2800C150WSD-IP67					

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 122W 0-10V Dimming

# Output Range 21V to 36V Constant Current **3400mA** Max **122W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 21V to 36V for Single Output circuit 122W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 86%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft Typical

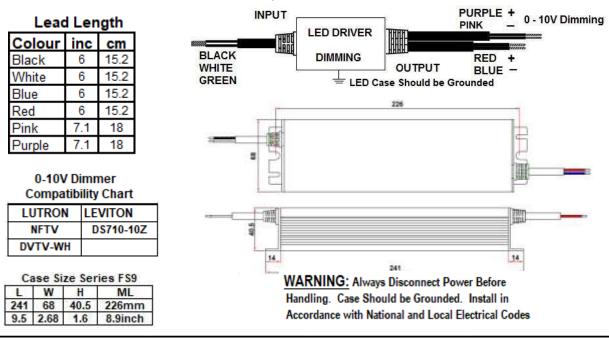
#### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.45A	142	142	122	21 to 36V	3.4A	NU3400C122WSD-IP67
277	0.64A		122	2110300	5.4A	3.4A NU3400C122WSD-IP67	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 150W 0-10V Dimming

# Output Range 26V to 43V Constant Current **3500mA** Max **150W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 26V to 43V for Single Output circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 88%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft Typical

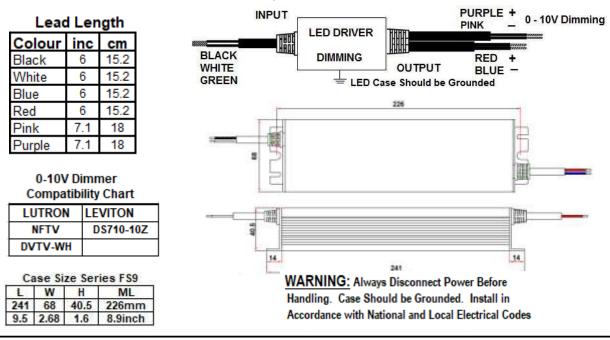
#### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	150	1.45A	170	26 to 43V	3.5A	NU3500C150WSD-IP67
277	150	0.64A	170	2010430	3.3A	N03500C150W3D-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 120W 0-10V Dimming

# Output Range 17V to 28V Constant Current **4200mA** Max **120W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 17V to 28V for Single circuit 120W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

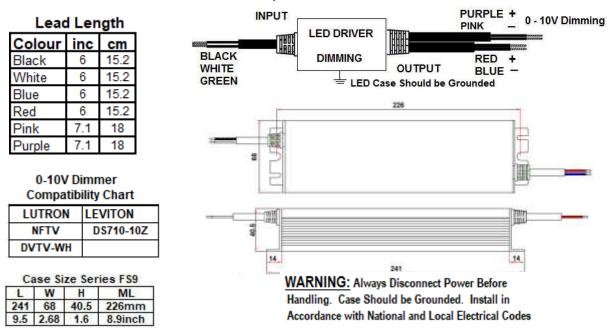
#### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	138	120	17 to 28V	4.2A	NU4200C120WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 150W 0-10V Dimming

# Output Range 22V to 36V Constant Current **4200mA** Max **150W** IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

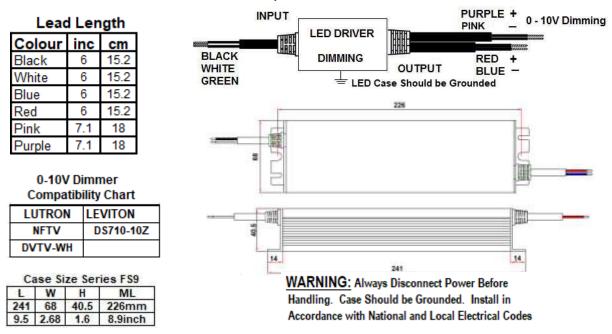
#### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	170	150	22 to 36V	4.2A	NU4200C150WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 120W 0-10V Dimming

# Output Range 14V to 24V Constant Current 5000mA Max 120W **IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 14V to 24V for Single circuit 120W maximum.

### **Technical Specification:**

UL, CUL Recognized, F	OHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	ass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency:	88%		

#### Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

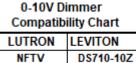
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	2.23A	100	100	14 to 24V	E۸	NU5000C120WSD-IP67	
277	0.96A	136	120	14 10 24 9	5A		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

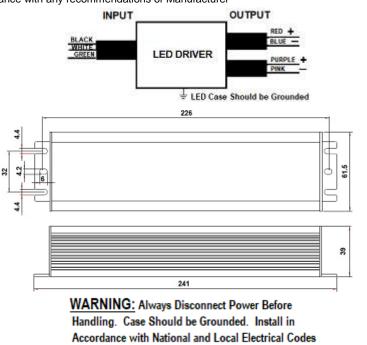
	Lea	d L	en	gth
--	-----	-----	----	-----

Colour	inc	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				



compatibility chart					
LUTRON	LEVITON				
NFTV	DS710-10Z				
DVTV-WH					

12	10/	н	MI
L	**	н	IVIL
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch





# LED DRIVER 150W 0-10V Dimming

# Output Range 18V to 30V Constant Current **5000mA** Max **150W IP67**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 18V to 30V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C

87%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full L	.oad: 18AWG -18 ft

#### Case Size: Series FS9

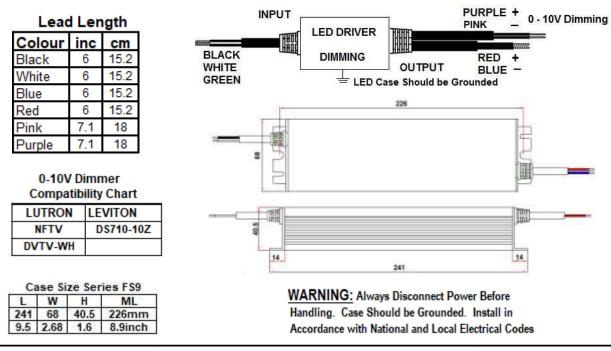
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	2.23A	172	150	18 to 30V	5A	NU5000C150WSD-IP67	
277	0.96A	172	150	10 10 30 V	34		

#### LIMITED WARRANTY

**Typical Efficiency:** 

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 100W - IP67

# Output Range 172V to 286V Constant Current 350mA Max 100W IP67

Universal Voltage 120-277V Electronic Constant Current LED Driver. Output Range of 172V to 286V for Single Output circuit 100W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 91% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.9Remote Wiring Distance Full Load: 18AWG-18 ft

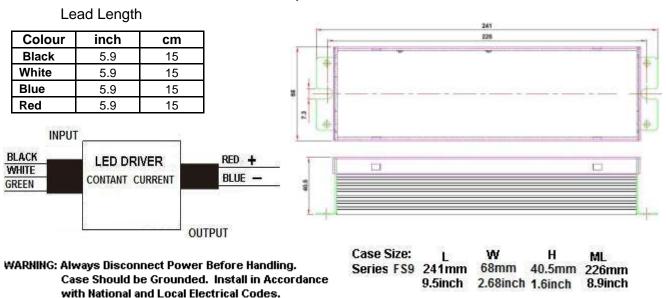
#### Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.78A	110	100	172 to 286V	6V 0.35A <b>NU350C100WS-IP6</b>	
277	0.78A	110	100	172 10 200 V	0.55A	NU350C100WS-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### Output Range 24V to 40V Constant Current **1100mA** Max **44W** IP67 Compact Case

Universal Voltage 120-277V Electronic Constant Current LED Driver. Output Range of 24V to 40V for Single circuit 44W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROH	IS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Protection		THD:	< 20%
Min. Starting Temp: - 40° C		Power Factor Min:	0.90
Max. Case Temp: 90° C		Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency: 86%			

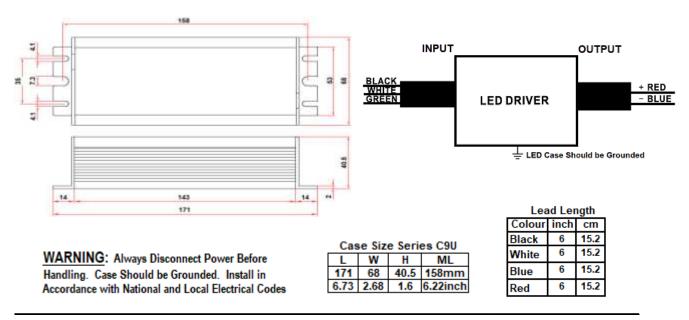
#### Case Size: Series C9U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.6A	E 1	44	$24 \pm 40$	1 1 0	NU1100C44WS-IP67	
277	0.26A	51	44	24 to 40V	1.1A		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### Output Range 22V to 36V Constant Current **1500mA** Max **54W** IP67 Compact Case

Universal Voltage 120-277V Electronic Constant Current LED Driver. Output Range of 22V to 36V for Single circuit 54W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recogni	ized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cla	ass A	Output Load range	<u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Pro	otection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Load	d:18AWG -18 ft
Typical Efficiency:	87%		

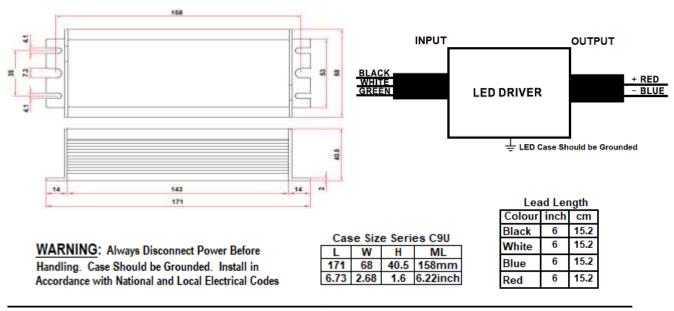
#### Case Size: Series C9U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

ſ	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	120	0.6A	62	62	E A	22 to 26\/	1.5A	NU1500C54WS-IP67
	277	0.26A			54	22 to 36V		NU1500C54W5-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### Output Range 25V to 42V Constant Current **1500mA** Max **63W** IP67 Compact Case

Universal Voltage 120-277V Electronic Constant Current LED Driver. Output Range of 25V to 42V for Single circuit 63W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%	
Rating: IP67		Input Frequency:	50/60HZ	
Output Open/Short Pr	rotection	THD:	< 20%	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90	
Max. Case Temp:	90° C	Remote Wiring Distance Full Load: 18AWG -18 ft		
Typical Efficiency:	86%			

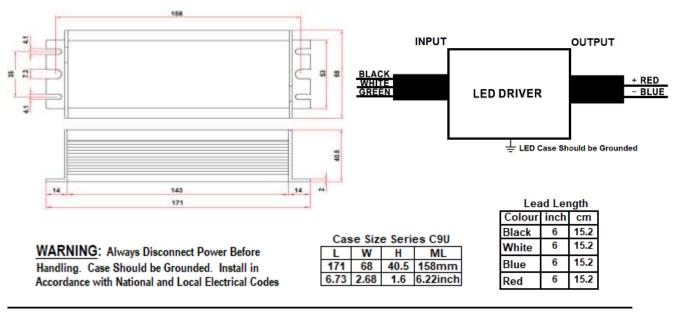
#### Case Size: Series C9U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.6A	73	72	63	25 to 42V	1 5 4	NU1500C63WS-IP67
277	0.26A		03	25 10 42 0	1.5A	NU1500C05W5-IF07	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# Sage Dimming & Non- Dimming IP67 347V LED Drivers Constant Voltage

Sage offers 120 to 277V Dimmable and non-Dimmable Constant Voltage LED Drivers and continuously design to specification a wide variety of Custom drivers with multiple output values. These drivers provide flexibility for the Fixture Manufacturers to offer wide range of luminaires.

It is also easy to combine into common dimming systems accessible in commercial applications.

# **347V LED DRIVER 60W 0-10V Dimming** Low Voltage 12V Output Constant Voltage Max **60W** IP67

347V input Electronic LED Driver. 12V output Constant Voltage for Single circuit 60W maximum Dimming Range 10-100%.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< <b>20</b> %
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	oad: 18AWG -18 ft
Typical Efficiency: 88%	Surge Protection:	2 KV

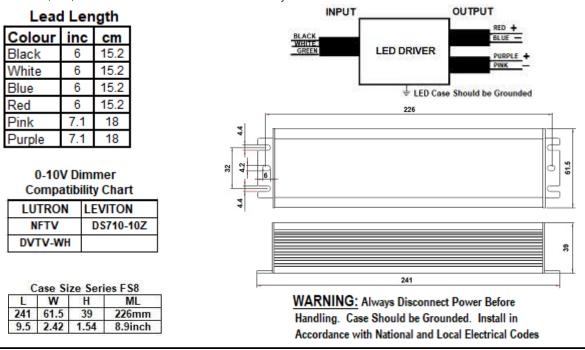
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.20A	71	60	12V	0.5-5A	NC12V60WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER Single Output Circuit Low Voltage 12V Output Constant Voltage Max 60W IP67

Electronic Universal Voltage 347V input LED Driver. 12V output Constant Voltage for Single circuit 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft Typical
Efficiency: 87%		

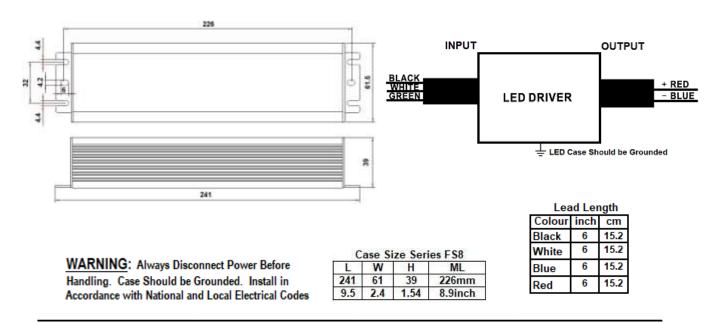
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.2	71	60	12V	5A	NC12V60WS-IP67

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# **347V LED DRIVER 100W 0-10V Dimming** Low Voltage 12V Output Constant Voltage Max **100W** IP67

347V input Electronic LED Driver. 12V output Constant Voltage for Single circuit 100W maximum. Dimming Range 10-100%.

### **Technical Specification:**

Class 2 UL, CUL Recogn EMI FCC Part 15, C	nized, ROHS Compliant lass A	Input Voltage range: Output Load range	<u>+</u> 10% <u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.9
Max. Case Temp:	90° C	Remote Wiring Distance Full La	oad: 18AWG -18 ft
Typical Efficiency:	89%	Surge Protection: 2KV	I

Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

	IPUT _TAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC CV	OUTPUT CURRENT AMPS	MODEL
3	347	0.32A	112	100	12	0.8 - 8A	NC12V100WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

INPUT

Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					

0-10V Dimmer Compatibility Chart

**Case Size Series FS8** 

H

39

1.54

LEVITON

DS710-10Z

ML

226mm

8.9inch

LUTRON

NFTV

DVTV-WH

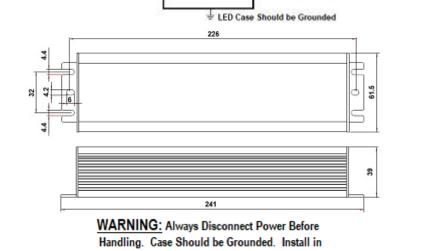
W

61.5

9.5 2.42

10

241



LED DRIVER

OUTPUT

RED

Accordance with National and Local Electrical Codes



# 347V LED DRIVER 60W 0-10V Dimming

# Low Voltage 24V Output Constant Voltage Max **60W** IP67

347V input Electronic LED Driver. 24V output Constant Voltage for Single circuit 60W maximum Dimming Range 10-100%.

## **Technical Specification:**

Class 2 UL, CUL Recogr EMI FCC Part 15, Cl	nized, ROHS Compliant ass A	Input Voltage range: Output Load range	<u>+</u> 10% <u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Pi	otection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.9
Max. Case Temp:	90° C	Remote Wiring Distance Full Load	1: 18AWG -18 ft
Typical Efficiency:	89%	Surge Protection:	2 KV

Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL
347	0.20A	71	60	24V	0.25-2.5A	NC24V60WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





·	-
LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series FS8

H

39

1.54

ML

226mm

8.9inch

W

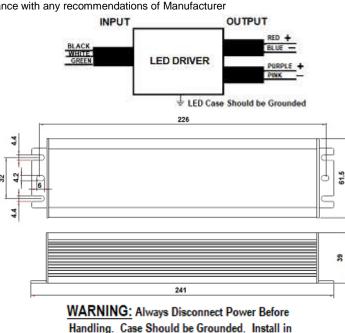
61.5

2.42

E

241

9.5



Accordance with National and Local Electrical Codes



# 347V LED DRIVER 100W 0-10V Dimming Low Voltage 24V Output Constant Voltage Max 100W **IP67**

347V input Electronic LED Driver. 24V output Constant Voltage for Single circuit 100W maximum. Dimming Range 10-100%.

### **Technical Specification:**

Class 2 UL, CUL Recog EMI FCC Part 15, C	nized, ROHS Compliant Iass A	Input Voltage range: Output Load range	<u>+</u> 10% <u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	88%	Surge Protection:	2 KV

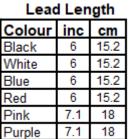
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL
347	0.32A	113	100	24V	0.41 - 4.1A	NC24V100WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



NFTV

W

61.5

2.42

241

9.5

**Case Size Series FS8** 

н

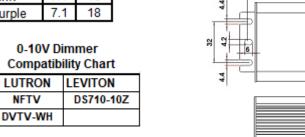
39

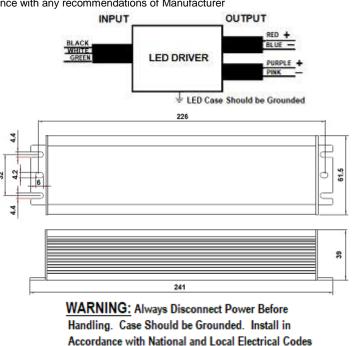
1.54

ML

226mm

8.9inch







# 347V LED DRIVER 100W Single Output Circuit Low Voltage 24V Output Constant Voltage Max 100W IP67

347V input Electronic LED Driver. 24V output Constant Voltage for Single circuit 100W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency: 88%	Surge Protection:	2 KV

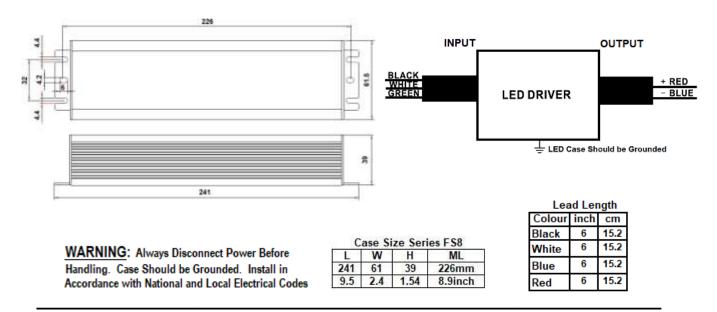
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

NPUT LTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC CV	OUTPUT CURRENT DC AMPS	MODEL
347	0.32A	113	100	24	4.1A	NC24V100WS-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER 60W 0-10V Dimming

# Low Voltage 36V Output Constant Voltage Max 60W IP67

347V input Electronic LED Driver. 36V output Constant Voltage for Single circuit 60W maximum Dimming Range 10-100%.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency: 88%	Surge Protection:	2 KV

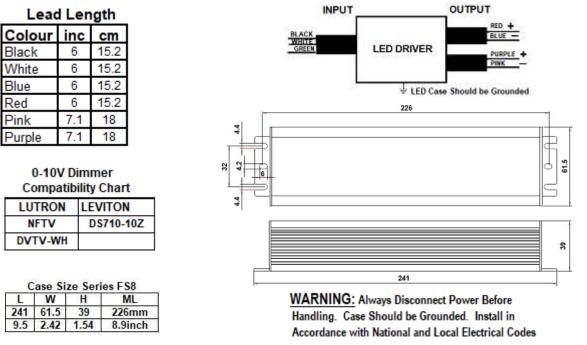
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.20A	71	60	36V	0.16-1.66A	NC36V60WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# Sage Dimming & Non- Dimming

# IP67 120-277V LED Drivers Constant Voltage

Sage offers 120 to 277V Dimmable and non-Dimmable Constant Voltage LED Drivers and continuously design to specification a wide variety of Custom drivers with multiple output values. These drivers provide flexibility for the Fixture Manufacturers to offer wide range of luminaires.

It is also easy to combine into common dimming systems accessible in commercial applications.

# LED DRIVER 100W 0-10V Dimming

## Low Voltage 12V Output Constant Voltage Max **100W** IP67

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 12V output Constant Voltage for Single circuit 100W maximum Dimming Range 10-100%.

## **Technical Specification:**

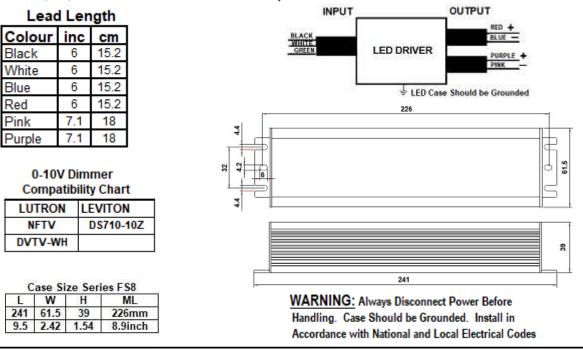
Class 2 UL, CUL Recogr	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	+ 5%
Rating: <b>IP67</b> Output Open/Short Pr	otection	Input Frequency: THD:	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 14AWG -18 ft
Typical Efficiency:	89%	Surge Protection:	2 KV

#### Case Size: Series FS8

Due to continuing e	efforts to offer impr	1/12/23				
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL
120	0.98A	112	100	12V	0.8 - 8A	NU12V100WSD-IP67
277	0.42A	112	100	12V	0.0 - 8A	NU12V100W3D-IP07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 150W 0-10V Dimming

# Low Voltage 12V Output Constant Voltage Max **150W** IP67

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 12V output Constant Voltage for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, R EMI FCC Part 15, Cla	•	Input Voltage range: Output Load range	<u>+</u> 10% <u>+</u> 5%
Rating: IP67		Input Frequency:	50/60HZ
Output Open/Short Pr	otection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	90%	Surge Protection:	2 KV

Case Size: Series F1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.40A	166	150	12V	1.25-12.5A	NU12V150WSD-IP67
277	0.60A	100	150	120	1.25-12.5A	NU12V150VV5D-IF07

#### LIMITED WARRANTY

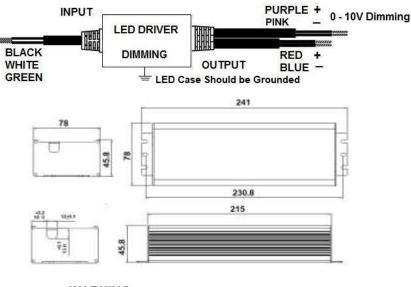
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



#### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

ries F1	ze sei	ase s	C
ML	н	W	L
226mn	46	78	241
8.9inch	1.82	3.08	9.5



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 60W 0-10V Dimming IP67

# Low Voltage 24V Output Constant Voltage Max **60W** IP67

Electronic Universal Voltage 120V-277V input LED Driver. 24V output Constant Voltage for Single circuit 60W maximum Dimming Range 10-100%.

# **Technical Specification:**

Class 2 UL, CUL Recogr	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 67		Input Frequency:	50/60HZ
Output Open/Short Pr	otection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loc	ad: 18AWG -18 ft
Typical Efficiency:	85%		

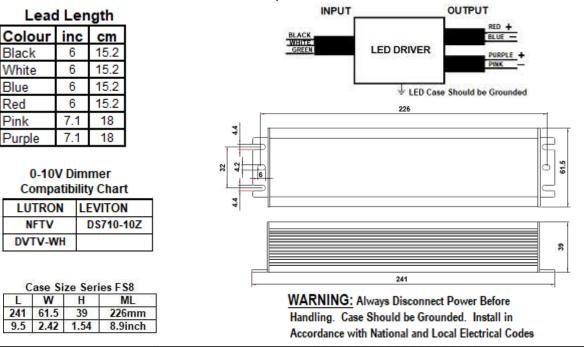
#### Case Size: Series FS8

Due to continuing efforts to offer improve	desceleta 11 constructions and	a. A. B. Sanat, C. S. Sharan, and M. B. Sanat, and S. Sanat, Phys.
1 Use to continuing efforts to offer improve	a products all specifications ar	e subject to change without prior potice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL
120	0.6A	71	60	24V	2.5A	NU24V60WSD-IP67
277	0.26A	/ 1	00	24 V	2.5A	N024V00VV3D-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 100W 0-10V Dimming IP67

# Low Voltage 24V Output Constant Voltage Max 100W **IP67**

Universal Voltage 120V-277V input Electronic Constant Voltage LED Driver 0-10V Dimming. 24V output Constant Voltage for Single circuit 100W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A	Input Voltage range: Output Load range	<u>+</u> 10% + 5%
Rating: IP 67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency: 90%	Surge Rating:	2 KV

Case Size: Series FS8

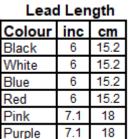
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

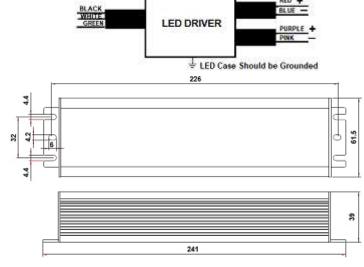
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT	MODEL
120	0.98A			<b>a</b> 1) /		
277	0.42A	111	100	24V	0.41 - 4.1A	NU24V100WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

INPUT





WARNING: Always Disconnect Power Before Handling, Case Should be Grounded, Install in Accordance with National and Local Electrical Codes

OUTPUT

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



#### 0-10V Dimmer Compatibility Chart

Compaus	inty chart
LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

ML	H	W	L
226mm	39	61.5	241
8.9inch	1.54	2.42	9.5

# LED DRIVER 120W 0-10V Dimming

# Low Voltage 24V Output Constant Voltage Max **120W** IP67

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 24V output Constant Voltage for Single circuit 120W maximum Dimming Range 10-100%.

# **Technical Specification:**

UL, CUL Recognized, R EMI FCC Part 15, Cl	-	Input Voltage range: Output Load range	<u>+</u> 10% <u>+</u> 5%
Rating: IP 67		Input Frequency:	50/60HZ
Output Open/Short Pr	rotection	THD:	< 10%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	88%	Surge Protection:	2 KV

Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL
120	1.48A	136	120	24V	0.5-5A	NU24V120WSD-IP67
277	0.62A	130	120	24V	0.5-5A	1102411200030-1607

#### LIMITED WARRANTY

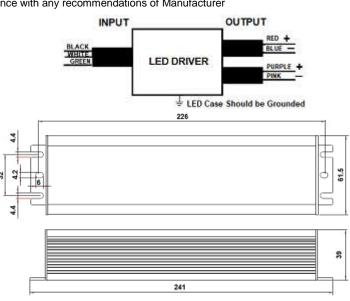
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



#### 0-10V Dimmer Compatibility Chart

LUTRON	
NFTV	D\$710-10Z
DVTV-WH	

L	W	Н	ML
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 60W 0-10V Dimming IP67

# Low Voltage 36V Output Constant Voltage Max 60W

Electronic Universal Voltage 120V-277V input LED Driver. 36V output Constant Voltage for Single circuit 60W maximum Dimming Range 10-100%.

### **Technical Specification:**

Class 2 UL, CUL Recognize	d, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class	Α	Output Load range	<u>+</u> 5%
Rating: IP 67		Input Frequency:	50/60HZ
Output Open/Short Prote	ection	THD:	< 20%
Min. Starting Temp: - 4	ю° С	Power Factor Min:	0.90
Max. Case Temp: 90	° C	Remote Wiring Distance Full Load	d:18AWG -18 ft
Typical Efficiency: 88	%	Surge Rating:	2 KV

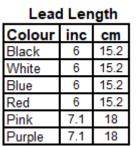
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.6A	71	60	60	36V	0.166A – 1.66A	NU36V60WSD-IP67
277	0.26A	71	60	30 V	0.100A - 1.00A	NU30V0UV3D-IF07	

#### LIMITED WARRANTY

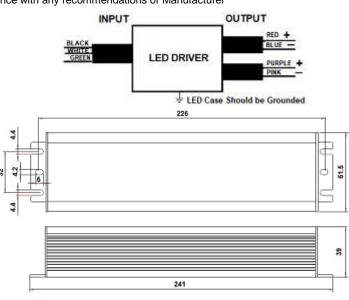
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



#### 0-10V Dimmer Compatibility Chart

compatibility chart					
LUTRON	LEVITON				
NFTV	DS710-10Z				
DVTV-WH					

L	W	Н	ML
241	61.5	39	226mm
9.5	2.42	1.54	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 150W 0-10V Dimming

# Low Voltage 36V Output Constant Voltage Max **150W** IP67

Universal Voltage 120V-277V input Electronic Constant Voltage LED Driver 0-10V Dimming. 36V output for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Certified, ROH	IS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 67		Input Frequency:	50/60HZ
Output Open/Short Pr	rotection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance F	ull Load: 18AWG -18 ft
Typical Efficiency:	91%	Surge Protection:	2 KV

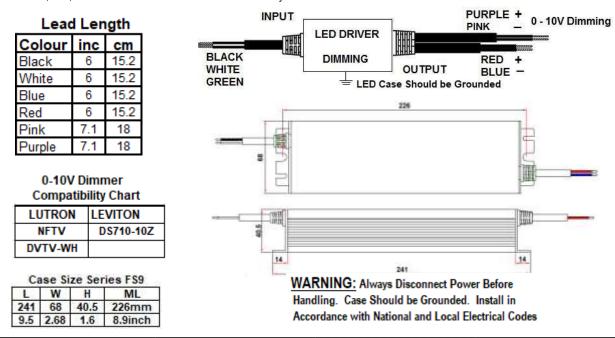
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.48A	163	150	36V	0.416 – 4.16A	NU36V150WSD-IP67
277	0.62A	103	150	307	0.410 – 4.10A	NU30V130V3D-IF07

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# Low Voltage 12V Output Constant Voltage Max **60W** IP67

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 60W maximum.

## **Technical Specification:**

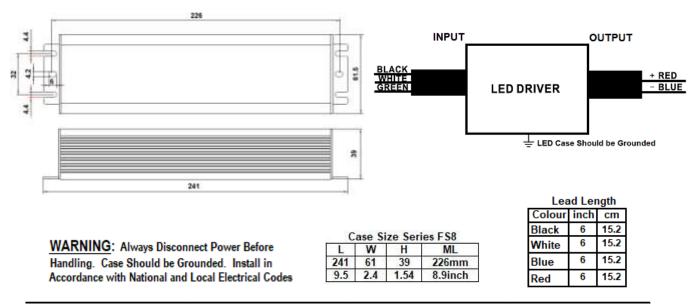
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 67		THD:	< 20%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance F	ull Load: 18AWG - 18 ft
Typical Efficiency:	83%		

#### Case Size: Series FS8

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/4/23						
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC	OUTPUT CURRENT AMPS	MODEL
	120	0.61A	74	60	12V	5A	NU12V60WS-IP67
	277	0.27A	74	60	IZV	ЪА	11012100003-1607

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\mathbf{\hat{L}}_{ighting}^{age}$  ltd.

Low Voltage 12V Output Constant Voltage Max **100W** IP67

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 100W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%	
Rating: IP67		THD:	< <b>20</b> %	
Output Open/Short Pr	otection	Input Frequency:	50/60HZ	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90	
Max. Case Temp: 90° C		Remote Wiring Distance Full Load: 14AWG -18 ft		
Typical Efficiency:	89%	Suitable ONLY for Pure LE	D Load	

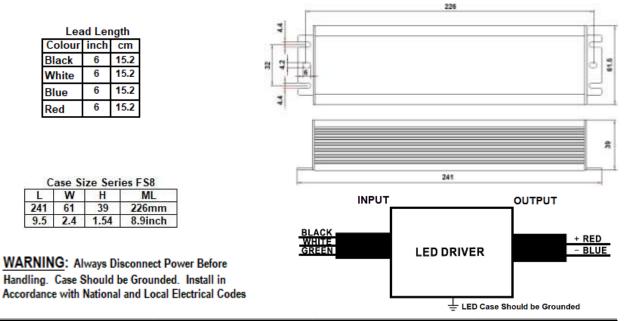
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT MAX	MODEL
120	0.98A	111	100	12V	0.8-8A	NU12V100WS-IP67
277	0.42A		100	12.V	0.0-0A	10120100003-1607

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER Single Output Circuit

## Low Voltage 24V Output Constant Voltage Max **100W** IP67

Electronic Universal Voltage 120V-277V input LED Driver. 24V output Constant Voltage for Single circuit 100W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	THD:	< 10%
Output Open/Short Protection	Input Frequency:	50/60HZ
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft Typical
Efficiency: 90%		

### Case Size: Series FS8

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/7/18										
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT	MODEL					
120	0.98A	111	100	24V	4.1A	NU24V100WS-IP67					
277	0.42A		100	24 V	4.1A	N024V100W3-IF07					

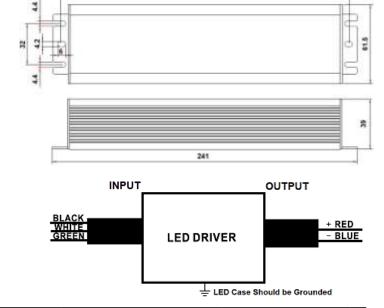
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Colour	inch	cm
Black	18.8	48
White	18.8	48
Blue	12	30.5
Red	12	30.5
Green	18.8	18.8

L	W	Н	ML
241	61	39	226mm
9.5	2.4	1.54	8.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



226

age ighting ltd.

# LED DRIVER Single Output Circuit IP67

## Low Voltage 24V Output Constant Voltage Max **150W** IP67

Electronic Universal Voltage 120V-277V input LED Driver. 24V output Constant Voltage for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: **IP67** Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 91% Input Voltage range:±10%Output Load range±5%THD:< 20%</td>Input Frequency:50/60HZPower Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

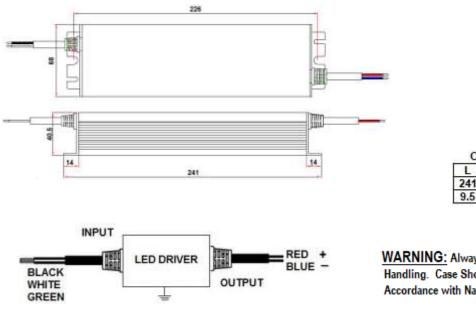
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.48A	165	150	24V	6.25A		
277	0.62A	105	130	24V	0.25A	NU24V150WS-IP67	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Colour	inch	cm						
Black	6	15.2						
White	6	15.2						
Blue	6	15.2						
Red	6	15.2						
Neu								

Lead Length

Ca	ase Si	ze Ser	ies FS9
L	W	Н	ML
241	68	40.5	226mm
9.5	2.68	1.6	8.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 ${f \hat{L}}^{age}_{ighting \, ltd.}$ 

# LED DRIVER Single Output Circuit IP67

Low Voltage 36V Output Constant Voltage Max **60W** IP67 Compact Case

Electronic Universal Voltage 120V-277V input LED Driver. 36V output Constant Voltage for Single circuit 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency: 90%		

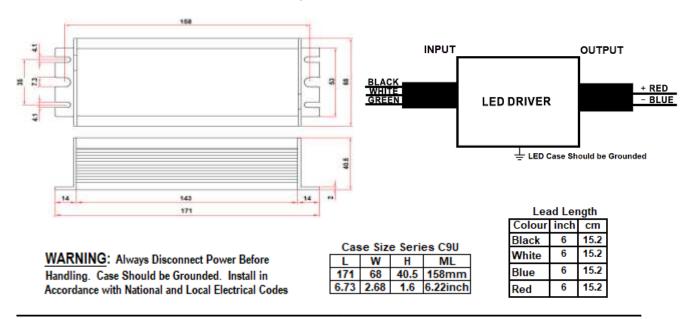
Case Size: Series C9U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.60A	60	60	36V	1 66 4		
277	0.26A	68	60	307	1.66A	NU36V60WS-IP67	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER Single Output Circuit IP67

### Low Voltage 36V Output Constant Voltage Max **100W** IP67

Electronic Universal Voltage 120V-277V input LED Driver. 36V output Constant Voltage for Single circuit 100W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP67	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft Typical
Efficiency: 90%		

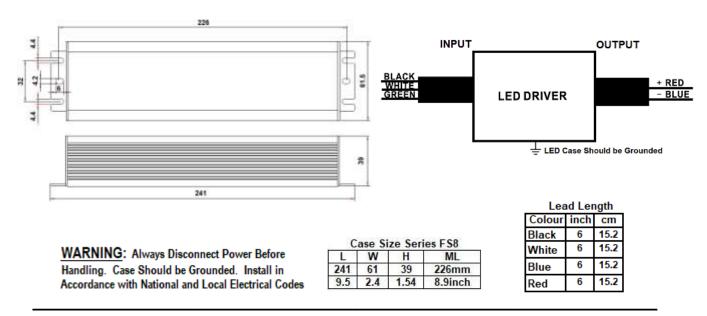
Case Size: Series FS8

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.98A	111	100	261/	2.7A	NU36V100WS-IP67
277	0.42A		100	36V	2.78	10300100003-1607

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Sage

# Emergency LED Drivers 120-347V

# Cold Temperature -20°C 90Mins or 120Mins IP67 Test Switch Emergency Programmable Kit

# 120-277V Inverter AC Sine Wave TYPE B LED LAMP Direct Wire Applications

Sage offers Custom design capability including Ultra Slim and multiple Form factor and output values to provide flexibility for the Fixture Manufacturers to design for specialized range of luminaires.

The Emergency LED Drivers are available in Constant Power or Constant Current Versions with and without Flexible metal conduits and include Remote Battery options. Complete Emergency Programmable LED Driver Kits are also available. We would be pleased to review your design needs.

# **120V-347V LED EMERGENCY DRIVER**

COLD TEMP Output Voltage 15V to 55V Constant Power 267-72mA Max 4W IP67 Rated Test Switch For Use with AC Driver and LED Module with 15-55V Output

Cold Temperature -20°C Operation - Multi Voltage 120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 4W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium-Ion 7.2V 2500mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp **-20**°C to +55°C



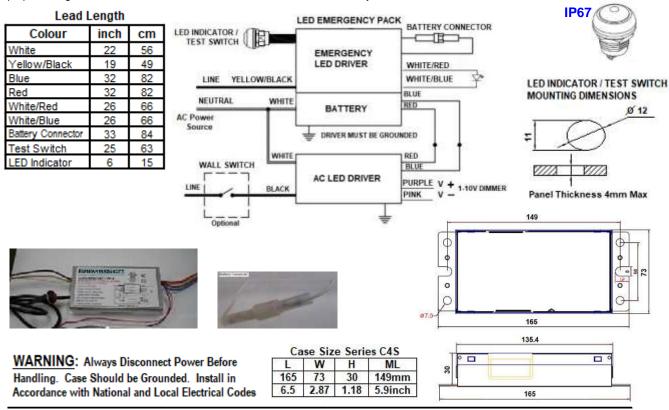
Case Size: C4S

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input	Input		Battery		Output Rated Output Output		Output	
Operating Duration	Watts Max	Current Max	Charge Current	Voltage	Charge Time Max	Watts Max	Current mA Min - Max	Voltage Min - Max	MODEL
90 Minutes	8W	110mA	185mA	7.2V	24 hrs	4W	72 - 267mA	15 to 55V	CCEM4W1555B72P

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





COLD TEMP Output Voltage 15V to 55V Constant **Power** 670-180mA **Max 10W IP67 Rated Test Switch** For Use with AC Driver and LED Module with 15-55V Output

Cold Temperature -20°C Operation - Multi Voltage 120-347V Electronic LED Emergency Constant **Power** Driver with **Remote** Battery and **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium-Ion 7.2V 5000mAh Emergency Pack & Battery Max Mounting Distance 16 inch Remote Battery Connector Max Wiring Distance 50ft Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Temp **-20**°C to +55°C



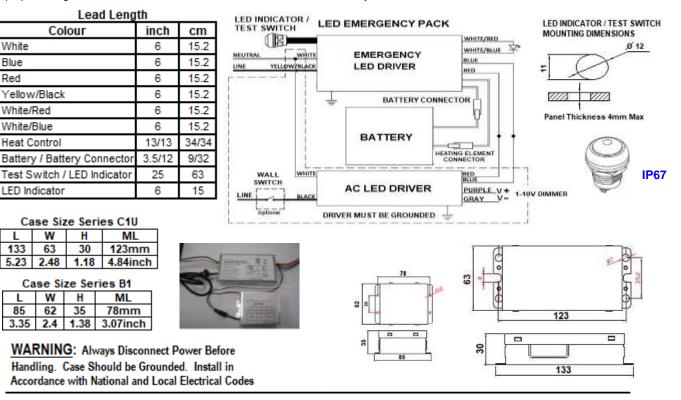
### Case Size: C1U B1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

I	Emergency	Input	Input		Battery		Output	Rated Output	Output	
	Operating Duration	Watts Max	Current Max	Charge Current	Voltage	Charge Time Max	Watts Max	Current mA Min - Max	Voltage Min - Max	MODEL
	90 Minutes	8W	110mA	500mA	7.2V	24 hrs	10W	180-670mA	15 to 55V	CCEM10W1555B72PX

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





# **120V-347V LED EMERGENCY DRIVER**

COLD TEMP Output Voltage 15V to 55V Constant **Power** 670-180mA **Max 10W IP67 Rated Test Switch** For Use with AC Driver and LED Module with 15-55V Output

Cold Temperature -20°C Operation - Multi Voltage 120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium-Ion 7.2V 5000mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp **-20**°C to +55°C



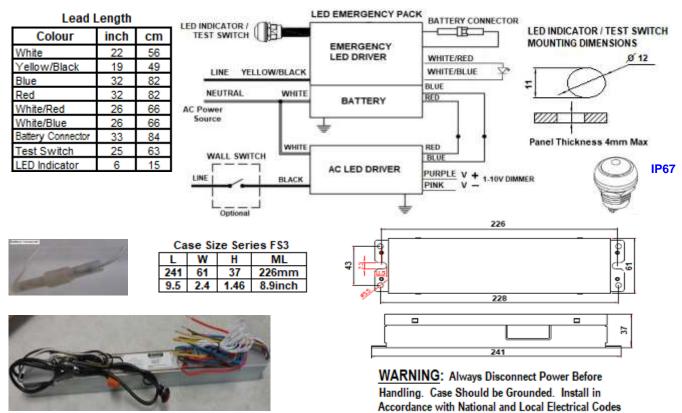
Case Size: FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input Input	Input Input Battery		Output	Rated Output	Output			
Operating Duration	Watts Max	Current Max	Charge Current	Voltage	Charge Time Max	Watts Max	Current mA Min - Max	Voltage Min - Max	MODEL
90 Minutes	8W	110mA	500mA	7.2V	24 hrs	10W	180-670mA	15 to 55V	CCEM10W1555B72P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



**L**ighting ltd.

Input 120V to 277VAC Output Voltage 120VAC **OR** 277VAC Constant **Power Max 25W** Compatible Lighting Loads: Strictly for LED, Fluorescent and Incandescent Max 75W

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Inverter with **Factory-wired** Test Switch/ Indicator, Face Plate, **Single Flexible Metal Conduit**. **Auto Select** Output Range of 120VAC or 277VAC for 25W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 6000mAh Surge Immunity: 6 kVpk for Ringwave & for Combination Wave \*Per ANSI/IEEE C62.41.2-2002 Remote Wiring Distance Full Load: 18AWG Max 300ft limited by the losses in the wire Operating Ambient Temp 0-50C Battery should be recharged within the first year of installation.



Case Size: EM5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input Input	ut Input		Battery		Output	Power	Output	
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time	Watts	Factor	Voltage AC Auto Select	MODEL
90 Minutes	14W	120mA	500mA	12.8V	24 hrs	25W	>0.90	120V <b>or</b> 277V	IEM25W128P1FT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

### Inverter Overload ( At 0-50 °C ambient temperature ) :

**Lighting Load without 0-10V Dimmer:** Max Steady-State Long Term Load should be less than 38.5VA. The Inverter's overload delivery capability is 57.7 VA for 15 minutes Max, and 42.3 VA for 100 minutes Max.

**Lighting Load with 0-10V Dimmer**: Max Normal-mode Steady-state Long Term Load should be less than 75W. The inverter will Dim the lighting load down to 42.3 VA in Emergency mode. The overload condition is avoided for properly functioning 0-10VDC dimming lighting loads

#### **Features and Applications**

- Provides back-up power to drive the existing LED, Fluorescent or Incandescent fixtures.
- Delivers Constant Power during emergency status to the fixture.
- Auto-Dimming (0-10V)
- Pure Sine Wave Inverter with Auto Select Output 120VAC or 277VAC 60Hz.
- Short Circuit Auto recovery 10 seconds after the short Circuit removed
- Overheat Protection with Auto recovery feature during over temperature condition
- Compatible with switched or unswitched fixtures

Input 120V to 277VAC Output Voltage 120VAC **OR** 277VAC Constant **Power Max 25W** Compatible Lighting Loads: Strictly for LED, Fluorescent and Incandescent Max 75W

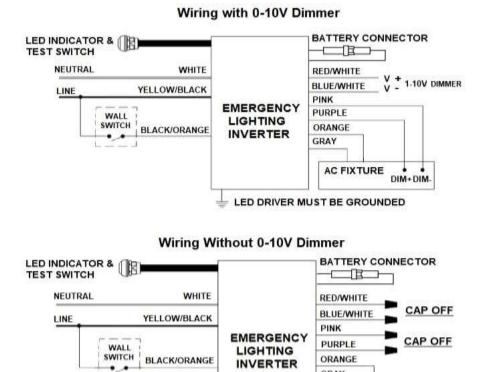
GRAY

LED DRIVER MUST BE GROUNDED

AC FIXTURE

DIM+ DIM-

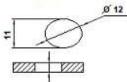
## IEM25W128P1FT



### Page ...2

Lead Le	ength	
Colour	inch	cm
White	42	107
Yellow/Black	42	107
Black/Orange	42	107
Orange	42	107
Gray	42	107
Purple	42	107
Pink	42	107
Red/White	42	107
Blue/White	42	107
Battery Connector	42	107
Test Switch	42	107
LED Indicator	23	60
Conduit	36	91

LED INDICATOR / TEST SWITCH MOUNTING DIMENSIONS



Panel Thickness 4mm Max



Ca	ase Siz	e Seri	es EM5
L	W	Н	ML
525	57	52	515mm
20.67	2.24	2.05	20.28inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Input 120V to 277VAC Output Voltage 120VAC **OR** 277VAC Constant **Power Max 35W** Compatible Lighting Loads: Strictly LED, Fluorescent and Incandescent Max 105W

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Inverter with **Factory-wired** Test Switch/ Indicator, Face Plate, **Single Flexible Metal Conduit**. **Auto Select** Output Range of 120VAC or 277VAC for 35W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 7200mAh Surge Immunity: 6 kVpk for Ringwave & for Combination Wave \*Per ANSI/IEEE C62.41.2-2002 Remote Wiring Distance Full Load: 18AWG Max 300ft limited by the losses in the wire Operating Ambient Temp 0-50C Battery should be recharged within the first year of installation.



Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Inp	Input Input		Max Battery			Output	Power	Output	
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time	Watts	Factor	Voltage AC Auto Select	MODEL
90 Minutes	14W	120mA	500mA	12.8V	24 hrs	35W	>0.90	120V <b>or</b> 277V	IEM35W128P1FT

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

#### Inverter Overload ( At 0-50 °C ambient temperature ) :

**Lighting Load without 0-10V Dimmer:** Max Steady-State Long Term Load should be less than 53.8 VA. The Inverter's overload delivery capability is 80.8 VA for 15 minutes Max, and 59.2 VA for 100 minutes Max.

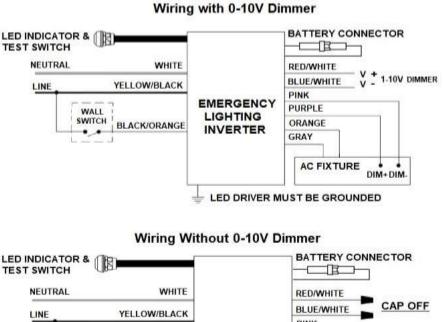
**Lighting Load with 0-10V Dimmer**: Max Normal-mode Steady-state Long Term Load should be less than 105W. The inverter will Dim the lighting load down to 59.2 VA in Emergency mode. The overload condition is avoided for properly functioning 0-10VDC dimming lighting loads

#### **Features and Applications**

- Provides back-up power to drive the existing LED, Fluorescent or Incandescent fixtures.
- Delivers Constant Power during emergency status to the fixture.
- Auto-Dimming (0-10V)
- Pure Sine Wave Inverter with Auto Select Output 120VAC or 277VAC 60Hz.
- Short Circuit Auto recovery 10 seconds after the short Circuit removed
- Overheat Protection with Auto recovery feature during over temperature condition
- Compatible with switched or unswitched fixtures

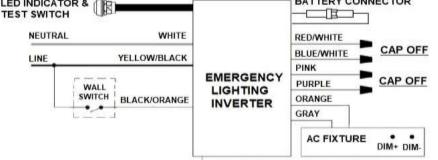
Input 120V to 277VAC Output Voltage 120VAC **OR** 277VAC Constant **Power Max 35W** Compatible Lighting Loads: Strictly LED, Fluorescent and Incandescent Max 105W

## IEM35W128P1FT



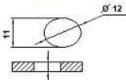
## Page ...2

Lead Le	Lead Length									
Colour	inch	cm								
White	42	107								
Yellow/Black	42	107								
Black/Orange	42	107								
Orange	42	107								
Gray	42	107								
Purple	42	107								
Pink	42	107								
Red/White	42	107								
Blue/White	42	107								
Battery Connector	42	107								
Test Switch	42	107								
LED Indicator	23	60								
Conduit	36	91								



LED DRIVER MUST BE GROUNDED

LED INDICATOR / TEST SWITCH MOUNTING DIMENSIONS



Panel Thickness 4mm Max



Ca	ase Siz	e Seri	es EM5
L	W	Н	ML
525	57	52	515mm
20.67	2.24	2.05	20.28inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Input 120V to 277VAC Output Voltage 120VAC **OR** 277VAC Constant **Power Max 50W** Compatible Lighting Loads: Strictly LED, Fluorescent and Incandescent Max 150W

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Inverter with **Factory-wired** Test Switch/ Indicator, Face Plate, **Single Flexible Metal Conduit**. **Auto Select** Output Range of 120VAC or 277VAC for 50W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 9200mAh Surge Immunity: 6 kVpk for Ringwave & for Combination Wave \*Per ANSI/IEEE C62.41.2-2002 Remote Wiring Distance Full Load: 18AWG Max 300ft limited by the losses in the wire Operating Ambient Temp 0-50C Battery should be recharged within the first year of installation.



Case Size: EM5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input Input	Max Battery			Output	Power	Output		
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time	Watts	Factor	Voltage AC Auto Select	MODEL
90 Minutes	14W	120mA	500mA	12.8V	24 hrs	50W	>0.90	120V <b>or</b> 277V	IEM50W128P1FT

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

#### Inverter Overload ( At 0-50 °C ambient temperature ) :

**Lighting Load without 0-10V Dimmer:** Max Steady-State Long Term Load should be less than 76.9 VA. The Inverter's overload delivery capability is 115.4VA for 10 minutes Max, and 84.6 VA for 100 minutes Max.

**Lighting Load with 0-10V Dimmer**: Max Normal-mode Steady-state Long Term Load should be less than 150W. The inverter will Dim the lighting load down to 84.6 VA in Emergency mode. The overload condition is avoided for properly functioning 0-10VDC dimming lighting loads

#### **Features and Applications**

- Provides back-up power to drive the existing LED, Fluorescent or Incandescent fixtures.
- Delivers Constant Power during emergency status to the fixture.
- Auto-Dimming (0-10V)
- Pure Sine Wave Inverter with Auto Select Output 120VAC or 277VAC 60Hz.
- Short Circuit Auto recovery 10 seconds after the short Circuit removed
- Overheat Protection with Auto recovery feature during over temperature condition
- Compatible with switched or unswitched fixtures

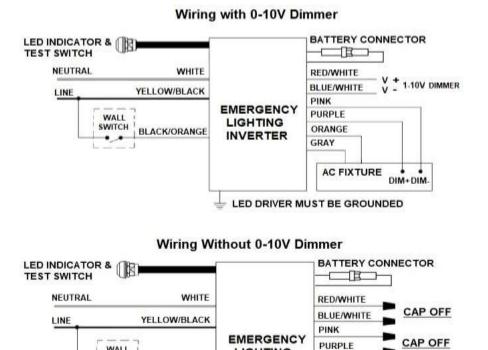
Input 120V to 277VAC Output Voltage 120VAC OR 277VAC Constant Power Max 50W Compatible Lighting Loads: Strictly LED, Fluorescent and Incandescent Max 150W

## **IEM50W128P1FT**

WALL

SWITCH

...



LIGHTING

INVERTER

ORANGE

AC FIXTURE

DIM+ DIM-

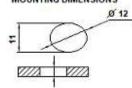
GRAY

LED DRIVER MUST BE GROUNDED

## Page ...2

Lead Le	ength	
Colour	inch	cm
White	42	107
Yellow/Black	42	107
Black/Orange	42	107
Orange	42	107
Gray	42	107
Purple	42	107
Pink	42	107
Red/White	42	107
Blue/White	42	107
Battery Connector	42	107
Test Switch	42	107
LED Indicator	23	60
Conduit	36	91

LED INDICATOR / TEST SWITCH MOUNTING DIMENSIONS



Panel Thickness 4mm Max



BLACK/ORANGE

Ca	ase Siz	e Seri	es EM5
L	W	Н	ML
525	57	52	515mm
20.67	2.24	2.05	20.28inch

WARNING: Always Disconnect Power Before Handling, Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## Output Voltage 40V to 180VDC Constant Power Max 10W

For Use with AC Driver 5A Max Current and with **4.5W to 23W** Non-Dimmable Type B LED Lamps & Dimmable Single-ended Triac Phase Cut. *Input Voltage for Type B LED Lamps must be 120V-277VAC*.

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 40V to 180V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 1800mAh Remote Wiring Distance Full Load: 18AWG -18 ft Operating Ambient Temp 0-50C



Case Size: E14L

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input Input		Battery		Output	LED Load	Output		
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time Max	Current	Type B Max	Voltage DC	MODEL
90 Minutes	11W	140mA	200mA	12.8V	24 hrs	Load Dependent	10W	40-180V	BEM10W170128PE14

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

#### Features and Applications - ALL LED Lamps mentioned below are UL Type B with Input Voltage 120V-277V

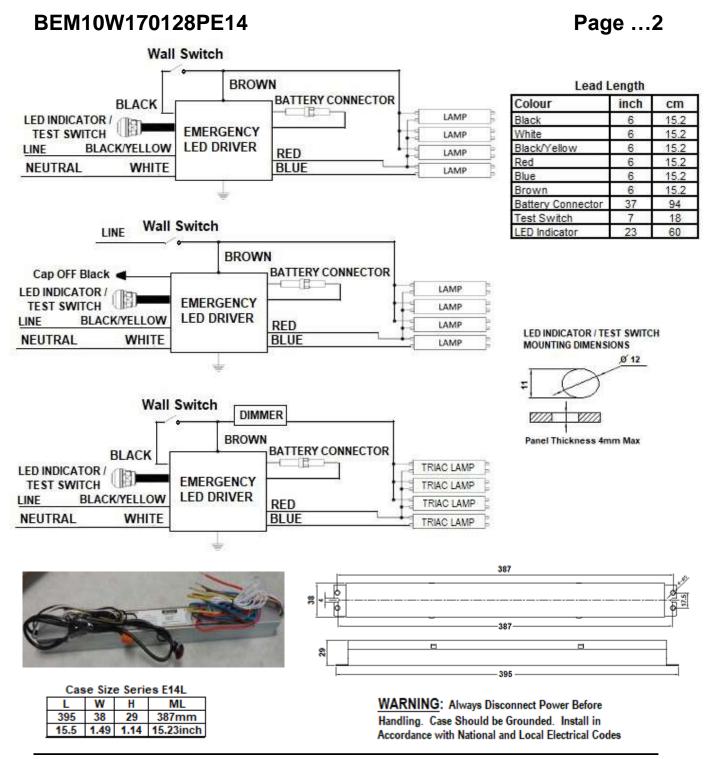
- Provides back-up power to drive the existing Non-dimmable Type B 4.5W-23W LED Lamps.
- Also drives single-ended Triac phase cut dimmable Type B 4.5W-23W LED lamps.
- Delivers Constant Power 10W during emergency status to the LED lamps with Input Voltage 120-277V.
- Delivers to the LED Lamp the same Constant Power 10W when driving lamp rated less or more than 10W.
- Over Load/Short Circuit Auto Recovery.
- Shut down mode, re-power on to recover during over temperature condition
- Compatible with switched or unswitched fixtures

#### This Driver is Compatible Strictly with 120V-277V Input Voltage UL Type B LED Lamps listed below:

Deced	Lamp Model No for:	Power Watt	Em	ergency Output	:	
Brand	Input Voltage 120-277VAC ONLY	@120VAC/60Hz	Voltage (VDC)	Current (A)	Power (W)	Light up
Adata	AL-TBT8-4G-18W30	18.5	81.5	0.124	10.1	Y
Apmcomm	TL280-60-1196-G1/277 20W	21.8	87.7	0.115	10.1	
Everlight	865CNS-GD4	17.2	89.0	0.113	10.1	Y
Everlight	830CNS-GD4	18.2	88.8	0.113	10.0	Y
Forest Lighting	MT8S69	17.7	75.9	0.133	10.1	Y
Forest Lighting	MT8W69	17.9	79.5	0.127	10.1	Y
High Light	HL-N60C209X	8.9	170.9	0.052	8.8	Y
High Light	HL-412020WD	19.7	79.1	0.127	10.0	Y
Listar	LS-BTUBE18NW	19.4	87.4	0.115	10.1	Y
MaxLite	L9T8SE250-G	8.8	170.9	0.050	8.5	Y
MaxLite	L13T8SE450-GB	13.0	56.9	0.177	10.1	Y
Osram	LVT8E-0.6m-9W-865	9.5	85.8	0.117	10.0	Y
Osram	LVT8E-1.2m-18W-865	19.5	77.6	0.130	10.1	Y
Philips	9290013076A	8.4	170.9	0.049	8.4	Y
Philips	929002468015	19.1	76.6	0.132	10.1	Y
Toshiba	REC-LED-5W/HL/A55	4.9	171.0	0.029	5.0	Y
Toshiba	REC-LED-14W/HD/A70	13.2	84.5	0.120	10.1	Y
Trunk	LT8TR203LG	18.4	88.7	0.113	10.0	Y
Trunk	LT8TR203DG	18.5	81.8	0.123	10.1	Y
TOA	LTU010-20AAL S	19.1	76.3	0.132	10.1	Y
TOA	LTU010-20AAD E	19.6	79.6	0.127	10.1	Y
TLW	5101-01-0075-3DC0102	7.5	171.0	0.042	7.2	Y
TLW	T54J-20-30A	19.8	72.7	0.139	10.1	Y

## Output Voltage 40V to 180VDC Constant Power Max 10W

For Use with AC Driver 5A Max Current and with **4.5W to 23W** Non-Dimmable Type B LED Lamps & Dimmable Single-ended Triac Phase Cut. *Input Voltage for Type B LED Lamps must be 120V-277VAC*.



 ${ar L}^{age}_{ighting \ ltd.}$ 

## Output Voltage 40V to 180VDC Constant Power Max 10W

For Use with AC Driver 5A Max Current and with **4.5W to 23W** Non-Dimmable Type B LED Lamps & Dimmable Single-ended Triac Phase Cut. *Input Voltage for Type B LED Lamps must be 120V-277VAC*.

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 40V to 180V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 1800mAh Remote Wiring Distance Full Load: 18AWG -18 ft Operating Ambient Temp 0-50C



Case Size: EM1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input	Input	<b>A</b> 1	Battery		Output	LED Load	Output Voltage	MODEL
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time Max	Current	Type B Max	DC	WODEL
90 Minutes	11W	140mA	200mA	12.8V	24 hrs	Load Dependent	10W	40-180V	BEM10W170128P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

#### Features and Applications - ALL LED Lamps mentioned below are UL Type B with Input Voltage 120V-277V

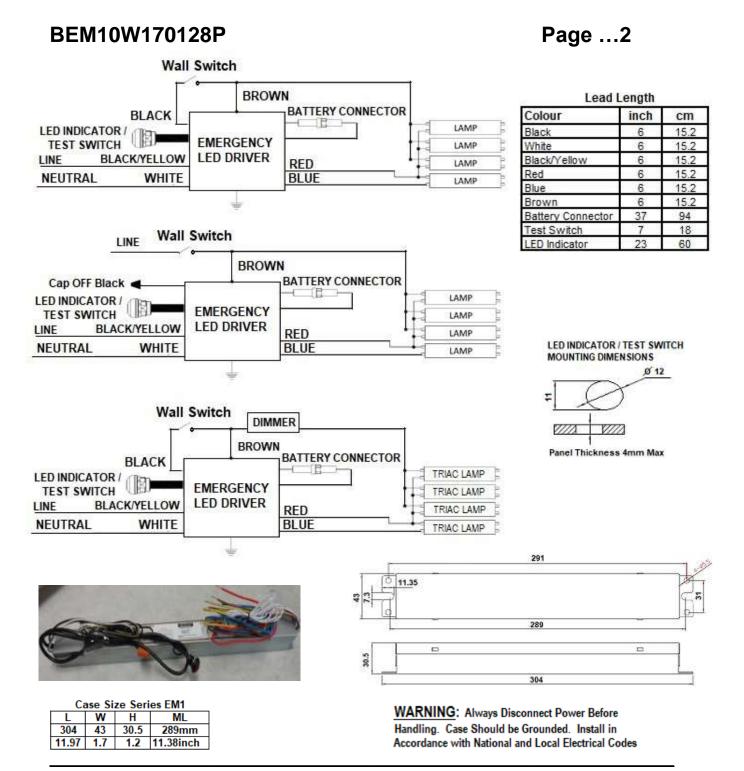
- Provides back-up power to drive the existing Non-dimmable Type B 4.5W-23W LED Lamps.
- Also drives single-ended Triac phase cut dimmable Type B 4.5W-23W LED lamps.
- Delivers Constant Power 10W during emergency status to the LED lamps with Input Voltage 120-277V.
- Delivers to the LED Lamp the same Constant Power 10W when driving lamp rated less or more than 10W.
- Over Load/Short Circuit Auto Recovery.
- Shut down mode, re-power on to recover during over temperature condition
- Compatible with switched or unswitched fixtures

#### This Driver is Compatible Strictly with 120V-277V Input Voltage UL Type B LED Lamps listed below:

P	Lamp Model No for:	Power Watt	Em	ergency Output	:	
Brand	Input Voltage 120-277VAC ONLY	@120VAC/60Hz	Voltage (VDC)	Current (A)	Power (W)	Light up
Adata	AL-TBT8-4G-18W30	18.5	81.5	0.124	10.1	Y
Apmcomm	TL280-60-1196-G1/277 20W	21.8	87.7	0.115	10.1	
Everlight	865CNS-GD4	17.2	89.0	0.113	10.1	Y
Everlight	830CNS-GD4	18.2	88.8	0.113	10.0	Y
Forest Lighting	MT8S69	17.7	75.9	0.133	10.1	Y
Forest Lighting	MT8W69	17.9	79.5	0.127	10.1	Y
High Light	HL-N60C209X	8.9	170.9	0.052	8.8	Y
High Light	HL-412020WD	19.7	79.1	0.127	10.0	Y
Listar	LS-BTUBE18NW	19.4	87.4	0.115	10.1	Y
MaxLite	L9T8SE250-G	8.8	170.9	0.050	8.5	Y
MaxLite	L13T8SE450-GB	13.0	56.9	0.177	10.1	Y
Osram	LVT8E-0.6m-9W-865	9.5	85.8	0.117	10.0	Y
Osram	LVT8E-1.2m-18W-865	19.5	77.6	0.130	10.1	Y
Philips	9290013076A	8.4	170.9	0.049	8.4	Y
Philips	929002468015	19.1	76.6	0.132	10.1	Y
Toshiba	REC-LED-5W/HL/A55	4.9	171.0	0.029	5.0	Y
Toshiba	REC-LED-14W/HD/A70	13.2	84.5	0.120	10.1	Y
Trunk	LT8TR203LG	18.4	88.7	0.113	10.0	Y
Trunk	LT8TR203DG	18.5	81.8	0.123	10.1	Y
TOA	LTU010-20AAL S	19.1	76.3	0.132	10.1	Y
TOA	LTU010-20AAD E	19.6	79.6	0.127	10.1	Y
TLW	5101-01-0075-3DC0102	7.5	171.0	0.042	7.2	Y
TLW	T54J-20-30A	19.8	72.7	0.139	10.1	Y

## Output Voltage 40V to 180VDC Constant Power Max 10W

For Use with AC Driver 5A Max Current and with **4.5W to 23W** Non-Dimmable Type B LED Lamps & Dimmable Single-ended Triac Phase Cut. *Input Voltage for Type B LED Lamps must be 120V-277VAC*.



 ${ar R}^{age}_{ighting \ ltd.}$ 

## Output Voltage 40V to 180VDC Constant Power Max 10W

For Use with AC Driver 5A Max Current and with **4.5W to 23W** Non-Dimmable Type B LED Lamps & Dimmable Single-ended Triac Phase Cut. *Input Voltage for Type B LED Lamps must be 120V-277VAC*.

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate **Single Flexible Metal Conduit**. Output Range of 40V to 180V for 10W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 1800mAh Remote Wiring Distance Full Load: 18AWG -18 ft Operating Ambient Temp 0-50C



Case Size: EM

Emergency	0 7	Input	Battery			Output	LED Load	Output	
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time Max	Current	Type B Max	Voltage DC	MODEL
90 Minutes	11W	140mA	200mA	12.8V	24 hrs	Load Dependent	10W	40-180V	BEM10W170128P1FT

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

#### Features and Applications - ALL LED Lamps mentioned below are UL Type B with Input Voltage 120V-277V

- Provides back-up power to drive the existing Non-dimmable Type B 4.5W-23W LED Lamps.
- Also drives single-ended Triac phase cut dimmable Type B 4.5W-23W LED lamps.
- Delivers Constant Power 10W during emergency status to the LED lamps with Input Voltage 120-277V.
- Delivers to the LED Lamp the same Constant Power 10W when driving lamp rated less or more than 10W.
- Over Load/Short Circuit Auto Recovery.
- Shut down mode, re-power on to recover during over temperature condition
- Compatible with switched or unswitched fixtures

### This Driver is Compatible Strictly with 120V-277V Input Voltage UL Type B LED Lamps listed below:

Drand	Lamp Model No:	Power Watt	Em	ergency Output	t	
Brand	Input Voltage 120-277VAC	@120VAC/60Hz	Voltage (VDC)	Current (A)	Power (W)	Light up
Adata	AL-TBT8-4G-18W30	18.5	81.5	0.124	10.1	Y
Apmcomm	TL280-60-1196-G1/277 20W	21.8	87.7	0.115	10.1	
Everlight	865CNS-GD4	17.2	89.0	0.113	10.1	Y
Everlight	830CNS-GD4	18.2	88.8	0.113	10.0	Y
Forest Lighting	MT8S69	17.7	75.9	0.133	10.1	Y
Forest Lighting	MT8W69	17.9	79.5	0.127	10.1	Y
High Light	HL-N60C209X	8.9	170.9	0.052	8.8	Y
High Light	HL-412020WD	19.7	79.1	0.127	10.0	Y
Listar	LS-BTUBE18NW	19.4	87.4	0.115	10.1	Y
MaxLite	L9T8SE250-G	8.8	170.9	0.050	8.5	Y
MaxLite	L13T8SE450-GB	13.0	56.9	0.177	10.1	Y
Osram	LVT8E-0.6m-9W-865	9.5	85.8	0.117	10.0	Y
Osram	LVT8E-1.2m-18W-865	19.5	77.6	0.130	10.1	Y
Philips	9290013076A	8.4	170.9	0.049	8.4	Y
Philips	929002468015	19.1	76.6	0.132	10.1	Y
Toshiba	REC-LED-5W/HL/A55	4.9	171.0	0.029	5.0	Y
Toshiba	REC-LED-14W/HD/A70	13.2	84.5	0.120	10.1	Y
Trunk	LT8TR203LG	18.4	88.7	0.113	10.0	Y
Trunk	LT8TR203DG	18.5	81.8	0.123	10.1	Y
TOA	LTU010-20AAL S	19.1	76.3	0.132	10.1	Y
TOA	LTU010-20AAD E	19.6	79.6	0.127	10.1	Y
TLW	5101-01-0075-3DC0102	7.5	171.0	0.042	7.2	Y
TLW	T54J-20-30A	19.8	72.7	0.139	10.1	Y

## Output Voltage 40V to 180VDC Constant Power Max 10W

For Use with AC Driver 5A Max Current and with **4.5W to 23W** Non-Dimmable Type B LED Lamps & Dimmable Single-ended Triac Phase Cut. *Input Voltage for Type B LED Lamps must be 120V-277VAC*.

## BEM10W170128P1FT

#### Wall Switch Lead Length BROWN BATTERY CONNECTOR Colour inch cm BLACK Black 30 75 LAMP LED INDICATOR / 11 75 White 30 EMERGENCY TEST SWITCH LAMP 30 75 Black/Yellow LED DRIVER BLACK/YELLOW LINE RED LAMP 30 75 Red NEUTRAL WHITE BLUE LAMP Blue 30 75 Brown 30 75 Battery Connector 37 94 Test Switch 25 63 Wall Switch LINE LED Indicator 6 15 BROWN BATTERY CONNECTOR Cap OFF Black LAMP LED INDICATOR / EMERGENCY TEST SWITCH LAMP LED DRIVER BLACK/YELLOW LINE RED LAMP LED INDICATOR / TEST SWITCH NEUTRAL WHITE BLUE MOUNTING DIMENSIONS LAMP Ø 12 Wall Switch DIMMER V/// BROWN Panel Thickness 4mm Max BATTERY CONNECTOR BLACK E TRIAC LAMP LED INDICATOR / EMERGENCY TEST SWITCH TRIAC LAMP LED DRIVER BLACK/YELLOW LINE RED TRIAC LAMP NEUTRAL WHITE BLUE TRIAC LAMP 325 11.5 C 2 42. 322 338 80 Case Size Series EM WARNING: Always Disconnect Power Before w н ML L Handling, Case Should be Grounded, Install in 62 38 322mm 338 13.3 2.44 1.49 12.68inch Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

 ${ar L}^{age}_{ighting \ ltd.}$ 

### Page ...2

# 120V-347V 2-HOUR LED EMERGENCY DRIVER

Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

Ultra Slim For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 4000mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



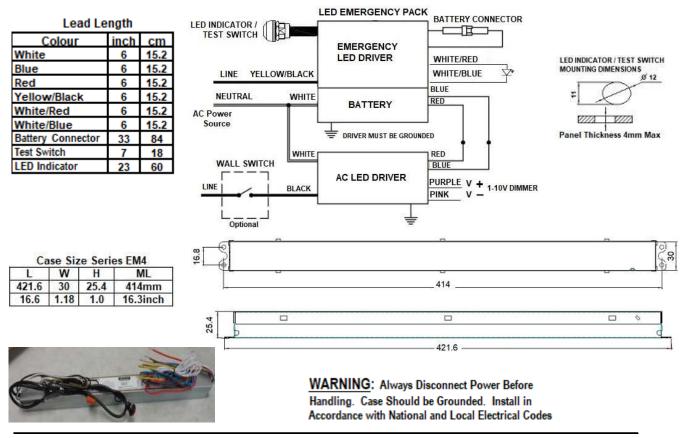
Case Size: EM4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
120 Minutes	110mA	8W	185mA	6.4V	24 hours	10W	180-670mA	15 to 55V	CEM10W1555B64P2EM4

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### Output Voltage 120VDC to 180VDC Constant Power Max 10W

Strictly For Use with AC Driver Input Voltage 120V-277V & 5A Current Max

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate for **easy** installation. Output Range of 120VDC to 180VDC for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 1800mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C

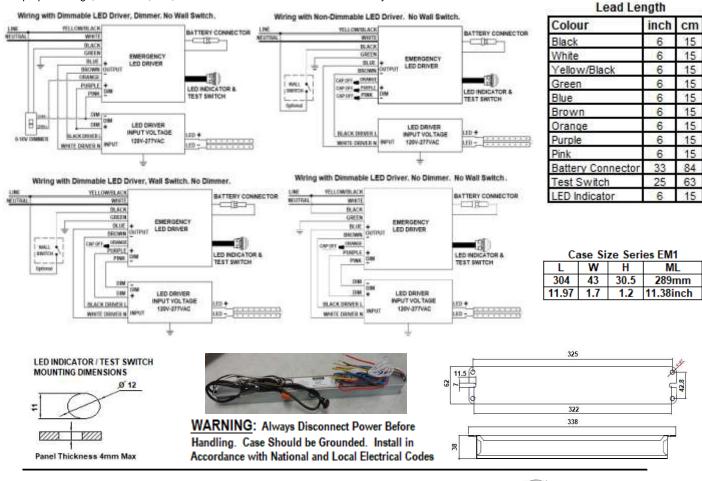


Case Size: EM1

Emergency	Input	Input		Battery		Output	Output	Output Voltage MODEL	
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time Max	Current	Output Watt	Voltage DC	MODEL
90 Minutes	11W	140mA	120mA	12.8V	24 hrs	59mA	10W	120 to180V	DEM10W170128P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



 $\dot{Z}^{age}_{ighting \ ltd.}$ 

## Output Voltage 120VDC to 180VDC Constant **Power** Max **10W**

Strictly For Use with AC Driver Input Voltage 120V-277V & 5A Current Max

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & **Single Flexible Metal Conduit**. Output Range of 120VDC to 180VDC for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 1800mAh Remote Wiring Distance Full Load: 18AWG -18 ft Operating Ambient Temp 0-50C

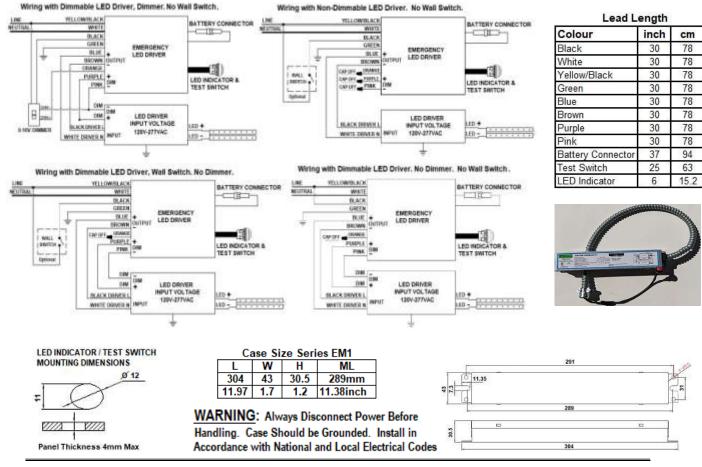


Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input	Input		Battery	·	Output	Output	Output	
Operating Duration	Watts Current Max Max	Current Max	Charge Current	Charge Voltage	Charge Time Max	Current	Output Watt	Voltage DC	MODEL
90 Minutes	11W	140mA	120mA	12.8V	24 hrs	59mA	10W	120 to 180V	DEM10W170128P1FT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





### Output Voltage 120VDC to 180VDC Constant Power Max 20W

Strictly For Use with AC Driver Input Voltage 120V-277V & 5A Current Max

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate for **easy** installation. Output Range of 120VDC to 180VDC for 20W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 3600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C

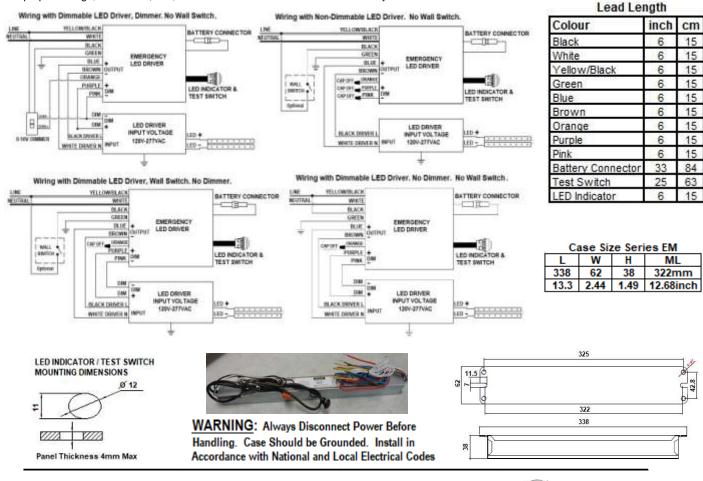


Case Size: EM

Emergency	Input	Input		Battery		Output	Output Watt	Output	
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time Max	Current		Voltage MOI DC	MODEL
90 Minutes	9W	140mA	200mA	12.8V	24 hrs	120mA	20W	120 to180V	DEM20W170128P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





### Output Voltage 120VDC to 180VDC Constant Power Max 20W

Strictly For Use with AC Driver Input Voltage 120V-277V & 5A Current Max

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with Factory-wired Test Switch/ Indicator, Face Plate, **Flexible Metal Conduit**. Output Range of 120VDC to 180VDC for 20W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15 , Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 12.8V, 3600mAh Remote Wiring Distance Full Load: 18AWG -18 ft Operating Ambient Temp 0-50C

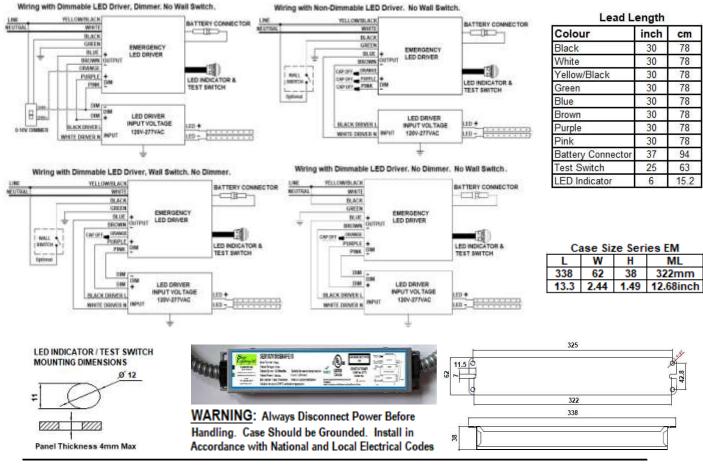


Case Size: EM

Emergency	Input	Input		Battery		Output	Output	Output	
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time Max	Current	Output Watt	Voltage DC	MODEL
90 Minutes	9W	140mA	180mA	12.8V	24 hrs	120mA	20W	120-180V	DEM20W170128PFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



**P**age Lighting ltd.

Output Voltage 15V to 55V Constant **Power** 670-180mA **Max 10W** 

For Use with AC Driver and LED Module with 15-55V Output

Multi Voltage 120-347V Electronic LED Emergency Constant **Power** Driver with **Remote** Battery and **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh Emergency Pack & Battery Max Mounting Distance 30 inch Remote Battery Connector Max Wiring Distance 50ft Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



Case Size: C1U B1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input	Input		Battery	• • • • • • • • • • • • • • • • • • •	Output	Output		
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time	Current Max	Watts Max	Voltage	MODEL
90 Minutes	8W	110mA	185mA	6.4V	24 hrs	180-670mA	10W	15 to 55V	CEM10W1555B64PX

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

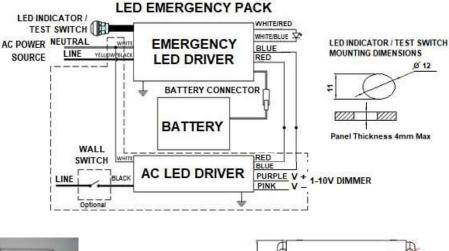


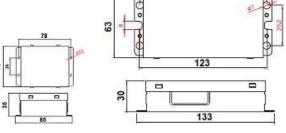
Colour	inch	cm
White	6	15.2
Blue	6	15.2
Red	6	15.2
Yellow/Black	6	15.2
White/Red	6	15.2
White/Blue	6	15.2
Battery Case Connector Wire /	2.7	7
Emergency Connector Wire	12.6	32
Test Switch / LED Indicator	7/23	18 /60
Battery Case Connector Wire / Emergency Connector Wire	2.7 12.6	7 32

Case Size Series C1U									
L W H ML									
133	63	30	123mm						
5.23	2.48	1.18	4.84inch						

Case Size Series B1									
L W H ML									
85	62	35	78mm						
3.35	2.4	1.38	3.07inch						

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes





Sage sighting ltd.

Output Voltage 15V to 55V Constant Power 1060-290mA Max 16W

For Use with AC Driver and LED Module with 15-55V Output

Multi Voltage 120-347V Electronic LED Emergency Constant Power Driver with Remote Battery and Factory-wired Test Switch/ Indicator, Face Plate & Battery End Connectors for easy installation. Output Range of 15V to 55V for 16W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 3600mAh

Emergency Pack & Battery Max Mounting Distance 30 inch

Remote Battery Connector Max Wiring Distance 50ft

Remote Wiring Distance Full Load: 18AWG -18 ft

For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



### Case Size: C1U B2

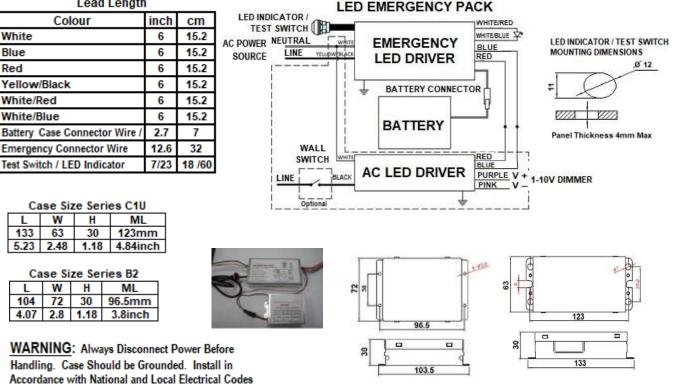
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emerge	Emergency	Input	Input		Battery		Output	Output	Output	
Opera Durat		Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time	Current Max		Watts Voltage	MODEL
90 Min	utes	11W	130mA	350mA	9.6V	24 hrs	290-1060mA	16W	15 to 55V	CEM16W1555B96PX

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

 _			
20		na	
au	Le		u





Output Voltage 15V to 55V Constant **Power** 1350-360mA **Max 20W** 

For Use with AC Driver and LED Module with 15-55V Output

Multi Voltage 120-347V Electronic LED Emergency Constant **Power** Driver with **Remote** Battery and **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 4600mAh Emergency Pack & Battery Max Mounting Distance 16 inch Remote Battery Connector Max Wiring Distance 50ft Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



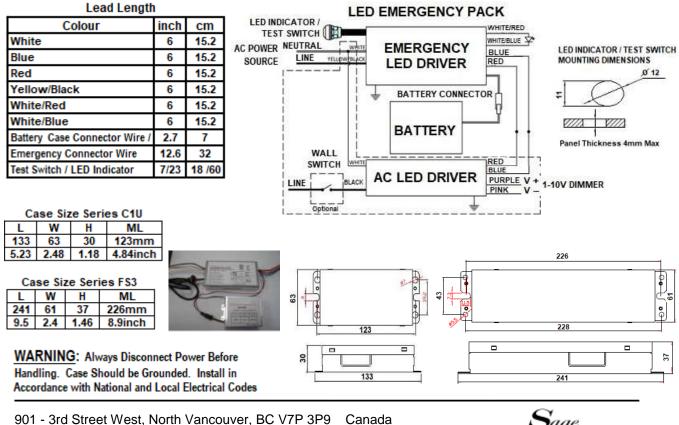
Case Size: C1U FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency	Input	Input	Battery			Output	Output			
Operating Duration	Watts Max	Current Max	Charge Current	Charge Voltage	Charge Time	Current Max		Watts	Voltage	MODEL
90 Minutes	11W	130mA	450mA	9.6V	24 hrs	360-1350mA	20W	15 to 55V	CEM20W1555B96PX	

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



Output Voltage 15V to 55V Constant **Power** 660-180mA **Max 10W** 

Power Start Function. For Use with AC Driver and LED Module with 15-55V Output

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, & Face Plate for **easy** installation. Automatic diagnostic function designed to operate a 30 second short-term test each month plus a 90 minute duration test every 12 months and **Power Start** Function. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 6.4V, 3600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



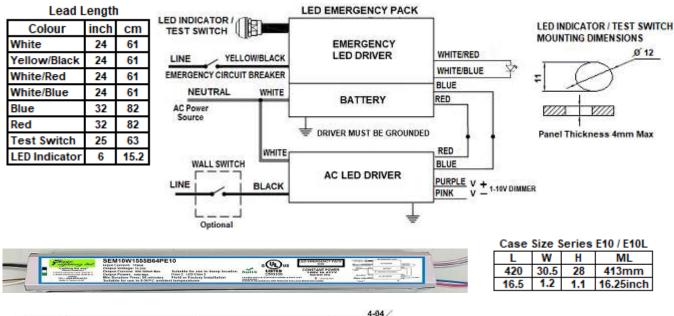
Case Size: E10L

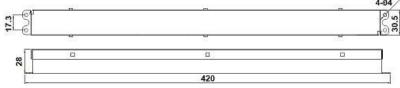
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

	mergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
ę	0 Minutes	110mA	10W	250mA	6.4V	24 hours	10W	180 -660mA	15 to 55V	SEM10W1555B64PE10

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Output Voltage 15V to 55V Constant **Power** 660-180mA **Max 10W** 

**Power Start Function**. For Use with AC Driver and LED Module with 15-55V Output

## SEM10W1555B64PE10

## Page ....2

### Power Start Function

The Integral *Power Start* function eliminates the need for battery connectors and wires. This smart function benefits fixture manufacturers as the installed fixtures shipped to their customers could remain in Sleep Mode with minimal battery drain. Once connected to AC *Power* the Emergency Driver will *Start* activating automatically at which time it will change to charging mode for regular operation. Once the overall job site installation is finished the contractor does not have to return to physically connect the battery and charger saving valuable time.

### Auto Diagnostic & Testing Function

Auto diagnostic function will automatically perform a 30 second short-term test each month plus a 90 minute duration test every 12 months through a two colour LED indicator.

### Auto Diagnostic Code Table:

EMERGENCY LED DRIVER STATUS	LED INDICATION	CONDITION	FAILURE PRIORITY
Normal Mode	STEADY Green	Battery is FULLY charged	N/A
	FLASH Green	Battery is charging	N/A
	(1) One Red FLASH	Charging Failure	1
Emergency Mode	(2) Two <mark>Red</mark> FLASH	Battery Failure	2
	(3) Three Red FLASH	Load Failure	3

### Note:

- Failure Code occurs every 10 seconds. Only the Highest Priority Failure is indicated
- One Red flash: Battery failed to fully charge in 24 hours.
- Two Red flash: Battery completely dead or bad battery connection.

### **Manual Testing**

Manual testing can be performed by pressing the Test Switch or Toggling the Emergency Circuit Breaker. The failure code will be the same as Auto Diagnostic Code table above. Follow the Manual Test Sequence below:

### Manual Testing Sequence Table:

EMERGENCY LED DRIVER STATUS	MANUAL TEST	TEST SWITCH OPERATION	EMERGENCY CIRCUIT BREAKER OPERATION
	Quick Test	Press and Hold	N/A
Normal Mode	30-Second Test	2 x Press and Release	2 x Toggles
	90-Minute Test	3 x Press and Release	3 x Toggles
	Cancel 90-Minute Test	1 x Press and Release	1 x Toggle
Emergency Mode	Sleep Mode	Press and Hold	N/A



### Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

**Power Start Function**. For Use with AC Driver and LED Module with 15-55V Output

Universal Voltage 120-277V Electronic LED Emergency Constant Power Driver. Power Start Function with Automatic diagnostic function designed to perform a 30 second short-term test each month plus a 90 minute duration test every 12 months. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 6.4V, 3600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. **Operating Ambient Temp 0-55C** 



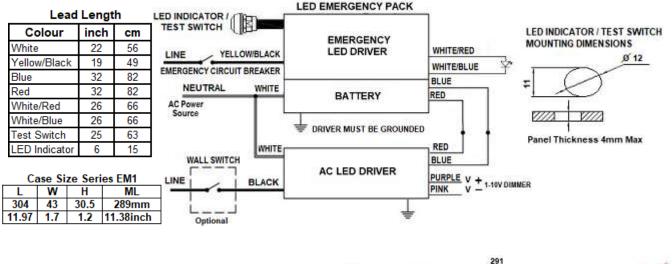
Case Size: EM1

0	mergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
9	0 Minutes	110mA	10W	250mA	6.4V	24 hours	10W	180 -670mA	15 to 55V	SEM10W1555B64P

. .

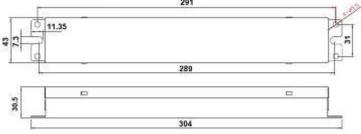
LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

### SEM10W1555B64P

### Page ....2

### **Power Start Function**

The Integral *Power Start* function eliminates the need for battery connectors and wires. This smart function benefits fixture manufacturers as the installed fixtures shipped to their customers could remain in Sleep Mode with minimal battery drain. Once connected to AC *Power* the Emergency Driver will *Start* activating automatically at which time it will change to charging mode for regular operation. Once the overall job site installation is finished the contractor does not have to return to physically connect the battery and charger saving valuable time.

### Auto Diagnostic & Testing Function

Auto diagnostic function will automatically perform a 30 second short-term test each month plus a 90 minute duration test every 12 months through a two colour LED indicator.

EMERGENCY LED DRIVER STATUS	LED INDICATION	CONDITION	FAILURE PRIORITY						
Normal Mode	STEADY Green	Battery is FULLY charged	N/A						
	FLASH Green	Battery is charging	N/A						
	(1) One Red FLASH	Charging Failure	1						
Emergency Mode	(2) Two Red FLASH	Battery Failure	2						
	(3) Three Red FLASH	Load Failure	3						

### Auto Diagnostic Code Table:

### Note:

- Failure Code occurs every 10 seconds. Only the Highest Priority Failure is indicated
- **One Red** flash: Battery failed to fully charge in 24 hours.
- **Two Red** flash: Battery completely dead or bad battery connection.

### **Manual Testing**

Manual testing can be performed by pressing the Test Switch or Toggling the Emergency Circuit Breaker. The failure code will be the same as Auto Diagnostic Code table above. Follow the Manual Test Sequence below:

### Manual Testing Sequence Table:

EMERGENCY LED DRIVER STATUS	MANUAL TEST	TEST SWITCH OPERATION	EMERGENCY CIRCUIT BREAKER OPERATION
	Quick Test	Press and Hold	N/A
Normal Mode	30-Second Test	2 x Press and Release	2 x Toggles
Normal Woue	90-Minute Test	3 x Press and Release	3 x Toggles
	Cancel 90-Minute Test	1 x Press and Release	1 x Toggle
Emergency Mode	Sleep Mode	Press and Hold	N/A



Output Voltage 15V to 55V Constant **Power** 935-250mA **Max 14W** 

**Power Start Function**. For Use with AC Driver 5A Max and LED Module with 15-55V Output

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver. **Power Start** Function with Automatic diagnostic function designed to perform a 30 second short-term test each month plus a 90 minute duration test every 12 months. Output Range of 15V to 55V for 14W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C

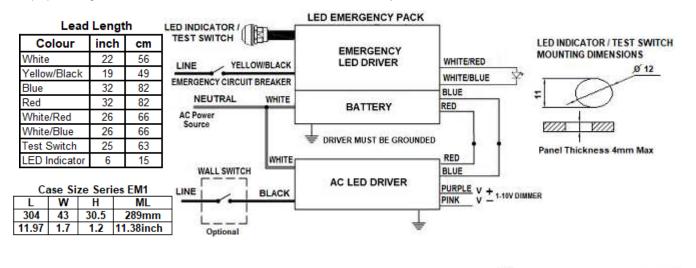


Case Size: EM1

Due to continu	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice									
Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL	
90 Minutes	130mA	11W	350mA	9.6V	24 hours	14W	250 -935mA	15 to 55V	SEM14W1555B96P	

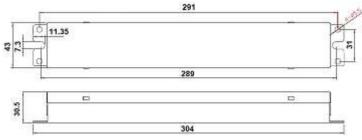
LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Voltage 15V to 55V Constant Power 935-250mA Max 14W

### SEM14W1555B96P

## Page ....2

### Power Start Function

The Integral *Power Start* function eliminates the need for battery connectors and wires. This smart function benefits fixture manufacturers as the installed fixtures shipped to their customers could remain in Sleep Mode with minimal battery drain. Once connected to AC *Power* the Emergency Driver will *Start* activating automatically at which time it will change to charging mode for regular operation. Once the overall job site installation is finished the contractor does not have to return to physically connect the battery and charger saving valuable time.

#### Auto Diagnostic & Testing Function

Auto diagnostic function will automatically perform a 30 second short-term test each month plus a 90 minute duration test every 12 months through a two colour LED indicator.

riace Blagheodie eee			
EMERGENCY LED DRIVER STATUS	LED INDICATION	CONDITION	FAILURE PRIORITY
Normal Mode	STEADY Green	Battery is FULLY charged	N/A
	FLASH Green	FLASH Green Battery is charging	
	(1) One Red FLASH	Charging Failure	1
Emergency Mode	(2) Two <mark>Red</mark> FLASH	Battery Failure	2
	(3) Three Red FLASH	Load Failure	3

#### Auto Diagnostic Code Table:

#### Note:

- Failure Code occurs every 10 seconds. Only the Highest Priority Failure is indicated
- **One Red** flash: Battery failed to fully charge in 24 hours.
- **Two Red** flash: Battery completely dead or bad battery connection.

#### **Manual Testing**

Manual testing can be performed by pressing the Test Switch or Toggling the Emergency Circuit Breaker. The failure code will be the same as Auto Diagnostic Code table above. Follow the Manual Test Sequence below:

#### Manual Testing Sequence Table:

EMERGENCY LED DRIVER STATUS	MANUAL TEST	TEST SWITCH OPERATION	EMERGENCY CIRCUIT BREAKER OPERATION	
	Quick Test	Press and Hold	N/A	
Normal Mode	30-Second Test	2 x Press and Release	2 x Toggles	
Normal Woue	90-Minute Test	3 x Press and Release	3 x Toggles	
	Cancel 90-Minute Test	1 x Press and Release	1 x Toggle	
Emergency Mode	Sleep Mode	Press and Hold	N/A	



Output Voltage 15V to 55V Constant Power 1350-360mA Max 20W

**Power Start Function**. For Use with AC Driver 5A Max and LED Module with 15-55V Output

Universal Voltage 120-277V Electronic LED Emergency Constant Power Driver. Power Start Function with Automatic diagnostic function designed to perform a 30 second short-term test each month plus a 90 minute duration test every 12 months. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 6600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. **Operating Ambient Temp 0-55C** 



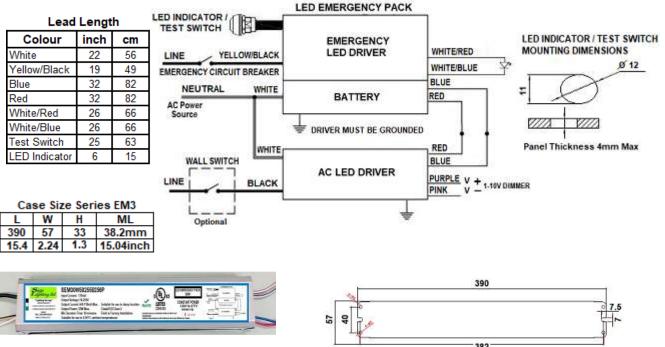
Case Size: EM3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

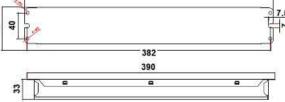
Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	130mA	11W	350mA	9.6V	24 hours	20W	<b>360 -1350</b> mA	15 to 55V	SEM20W1555B96P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Voltage 15V to 55V Constant Power 1350-360mA Max 20W

### SEM20W1555B96P

### Page ....2

### **Power Start Function**

The Integral *Power Start* function eliminates the need for battery connectors and wires. This smart function benefits fixture manufacturers as the installed fixtures shipped to their customers could remain in Sleep Mode with minimal battery drain. Once connected to AC *Power* the Emergency Driver will *Start* activating automatically at which time it will change to charging mode for regular operation. Once the overall job site installation is finished the contractor does not have to return to physically connect the battery and charger saving valuable time.

#### Auto Diagnostic & Testing Function

Auto diagnostic function will automatically perform a 30 second short-term test each month plus a 90 minute duration test every 12 months through a two colour LED indicator.

Auto Blaghootio eee			
EMERGENCY LED DRIVER STATUS	LED INDICATION	CONDITION	FAILURE PRIORITY
Normal Mode	STEADY Green	Battery is FULLY charged	N/A
	FLASH Green	FLASH Green Battery is charging	
	(1) One Red FLASH	Charging Failure	1
Emergency Mode	(2) Two Red FLASH	Battery Failure	2
	(3) Three Red FLASH	Load Failure	3

#### Auto Diagnostic Code Table:

#### Note:

- Failure Code occurs every 10 seconds. Only the Highest Priority Failure is indicated
- One Red flash: Battery failed to fully charge in 24 hours.
- **Two Red** flash: Battery completely dead or bad battery connection.

#### **Manual Testing**

Manual testing can be performed by pressing the Test Switch or Toggling the Emergency Circuit Breaker. The failure code will be the same as Auto Diagnostic Code table above. Follow the Manual Test Sequence below:

#### Manual Testing Sequence Table:

EMERGENCY LED DRIVER STATUS	MANUAL TEST	TEST SWITCH OPERATION	EMERGENCY CIRCUIT BREAKER OPERATION	
	Quick Test	Press and Hold	N/A	
Normal Mode	30-Second Test	2 x Press and Release	2 x Toggles	
Normal Woue	90-Minute Test	3 x Press and Release	3 x Toggles	
	Cancel 90-Minute Test	1 x Press and Release	1 x Toggle	
Emergency Mode	Sleep Mode	Press and Hold	N/A	



Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

**Power Start Function**. For Use with AC Driver 5A Max and LED Module with 15-55V Output

Universal Voltage 120-277V Electronic LED Emergency Constant Power Driver with Flexible Metal Conduit. Power Start Function with Automatic diagnostic function designed to perform a 30 second short-term test each month plus a 90 minute duration test every 12 months. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 6.4V, 3600mAh Remote Wiring Distance Full Load: 18AWG -18 ft. **Operating Ambient Temp 0-55C** 

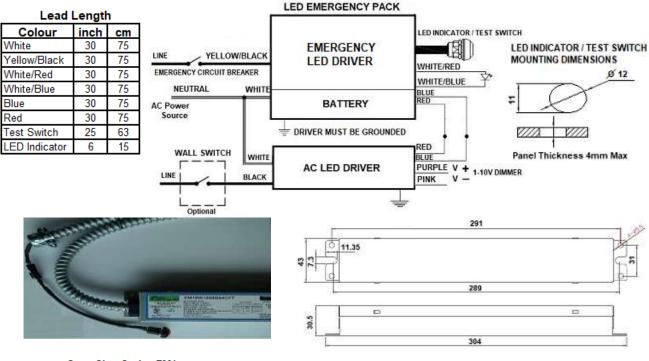


Case Size: EM1

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	10W	250mA	6.4V	24 hours	10W	180 -670mA	15 to 55V	SEM10W1555B64PFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



Ca	Case Size Series EM1									
L W H ML										
304	43	30.5	289mm							
11.97	1.7	1.2	11.38inch							

WARNING: Always Disconnect Power Before Handling, Case Should be Grounded, Install in Accordance with National and Local Electrical Codes

Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

### SEM10W1555B64PFT

## Page ....2

### **Power Start Function**

The Integral *Power Start* function eliminates the need for battery connectors and wires. This smart function benefits fixture manufacturers as the installed fixtures shipped to their customers could remain in Sleep Mode with minimal battery drain. Once connected to AC *Power* the Emergency Driver will *Start* activating automatically at which time it will change to charging mode for regular operation. Once the overall job site installation is finished the contractor does not have to return to physically connect the battery and charger saving valuable time.

#### Auto Diagnostic & Testing Function

Auto diagnostic function will automatically perform a 30 second short-term test each month plus a 90 minute duration test every 12 months through a two colour LED indicator.

rate Blagheotie eee			
EMERGENCY LED DRIVER STATUS	LED INDICATION	CONDITION	FAILURE PRIORITY
Normal Mode	STEADY Green	Battery is FULLY charged	N/A
	FLASH Green	Battery is charging	N/A
	(1) One Red FLASH	Charging Failure	1
Emergency Mode	(2) Two Red FLASH	Battery Failure	2
	(3) Three Red FLASH	Load Failure	3

#### Auto Diagnostic Code Table:

#### Note:

- Failure Code occurs every 10 seconds. Only the Highest Priority Failure is indicated
- One Red flash: Battery failed to fully charge in 24 hours.
- Two Red flash: Battery completely dead or bad battery connection.

#### **Manual Testing**

Manual testing can be performed by pressing the Test Switch or Toggling the Emergency Circuit Breaker. The failure code will be the same as Auto Diagnostic Code table above. Follow the Manual Test Sequence below:

#### Manual Testing Sequence Table:

EMERGENCY LED DRIVER STATUS	MANUAL TEST	TEST SWITCH OPERATION	EMERGENCY CIRCUIT BREAKER OPERATION
	Quick Test	Press and Hold	N/A
Normal Mode	30-Second Test	2 x Press and Release	2 x Toggles
Normal Woue	90-Minute Test	3 x Press and Release	3 x Toggles
	Cancel 90-Minute Test	1 x Press and Release	1 x Toggle
Emergency Mode	Sleep Mode	Press and Hold	N/A



Output Voltage 15V to 55V Constant **Power** 935-250mA **Max 14W** 

*Power Start* Function. For Use with AC Driver 5A Max and LED Module with 15-55V Output

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Flexible Metal Conduit.** *Power Start* Function with Automatic diagnostic function designed to perform a 30 second short-term test each month plus a 90 minute duration test every 12 months. Output Range of 15V to 55V for 14W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium **LiFePO4, 9.6V, 3300mAh** Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-55C



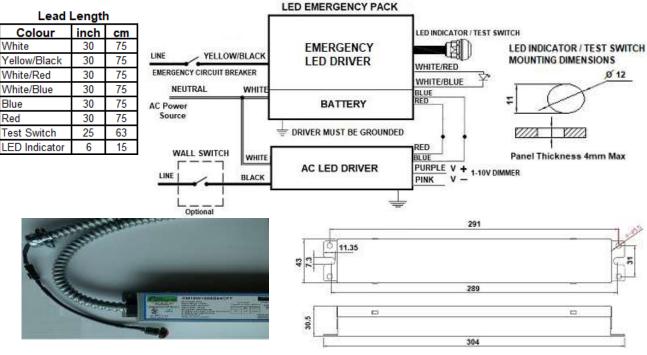
Case Size: EM1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	130mA	11W	350mA	9.6V	24 hours	14W	250 -935mA	15 to 55V	SEM14W1555B96PFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



Case Size Series EM1									
L W H ML									
304	43	30.5	289mm						
11.97	1.7	1.2	11.38inch						

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Output Voltage 15V to 55V Constant Power 935-250mA Max 14W

### SEM14W1555B96PFT

## Page ....2

### **Power Start Function**

The Integral *Power Start* function eliminates the need for battery connectors and wires. This smart function benefits fixture manufacturers as the installed fixtures shipped to their customers could remain in Sleep Mode with minimal battery drain. Once connected to AC *Power* the Emergency Driver will *Start* activating automatically at which time it will change to charging mode for regular operation. Once the overall job site installation is finished the contractor does not have to return to physically connect the battery and charger saving valuable time.

#### Auto Diagnostic & Testing Function

Auto diagnostic function will automatically perform a 30 second short-term test each month plus a 90 minute duration test every 12 months through a two colour LED indicator.

Auto Diagnostio Soc			
EMERGENCY LED DRIVER STATUS	LED INDICATION	CONDITION	FAILURE PRIORITY
Normal Mode	STEADY Green	Battery is FULLY charged	N/A
	FLASH Green	Battery is charging	N/A
	(1) One Red FLASH	Charging Failure	1
Emergency Mode	(2) Two Red FLASH	Battery Failure	2
	(3) Three Red FLASH	Load Failure	3

#### Auto Diagnostic Code Table:

#### Note:

- Failure Code occurs every 10 seconds. Only the Highest Priority Failure is indicated
- **One Red** flash: Battery failed to fully charge in 24 hours.
- **Two Red** flash: Battery completely dead or bad battery connection.

#### **Manual Testing**

Manual testing can be performed by pressing the Test Switch or Toggling the Emergency Circuit Breaker. The failure code will be the same as Auto Diagnostic Code table above. Follow the Manual Test Sequence below:

#### Manual Testing Sequence Table:

EMERGENCY LED DRIVER STATUS	MANUAL TEST	TEST SWITCH OPERATION	EMERGENCY CIRCUIT BREAKER OPERATION
	Quick Test	Press and Hold	N/A
Normal Mode	30-Second Test	2 x Press and Release	2 x Toggles
Normal Woue	90-Minute Test	3 x Press and Release	3 x Toggles
	Cancel 90-Minute Test	1 x Press and Release	1 x Toggle
Emergency Mode	Sleep Mode	Press and Hold	N/A



## Output Voltage 15V to 55V Constant Power 1350-360mA Max 20W

*Power Start* Function. For Use with AC Driver 5A Max and LED Module with 15-55V Output

Universal Voltage 120-277V Electronic LED Emergency Constant **Power** Driver with **Flexible Metal Conduit.** *Power Start* Function with Automatic diagnostic function designed to perform a 30 second short-term test each month plus a 90 minute duration test every 12 months. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

Case Size Series EM3

Н

33

1.3

ML

38.2mm

15.04inch

W

57

15.4 2.24

н

390

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 6600mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-55C



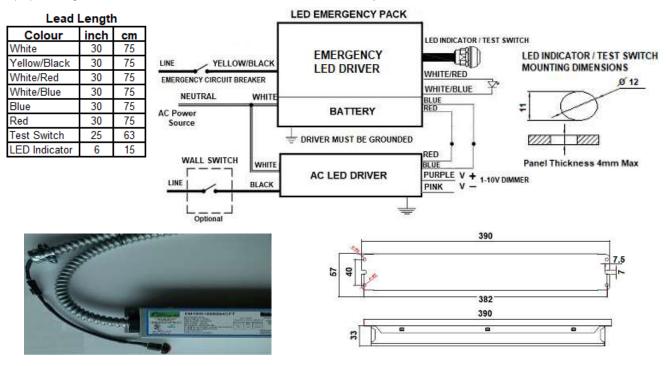
Case Size: EM3

#### Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	130mA	11W	350mA	9.6V	24 hours	20W	<b>360 -1350</b> mA	15 to 55V	SEM20W1555B96PFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Output Voltage 15V to 55V Constant Power 1350-360mA Max 20W

### SEM20W1555B96PFT

### Page ....2

### **Power Start Function**

The Integral *Power Start* function eliminates the need for battery connectors and wires. This smart function benefits fixture manufacturers as the installed fixtures shipped to their customers could remain in Sleep Mode with minimal battery drain. Once connected to AC *Power* the Emergency Driver will *Start* activating automatically at which time it will change to charging mode for regular operation. Once the overall job site installation is finished the contractor does not have to return to physically connect the battery and charger saving valuable time.

#### Auto Diagnostic & Testing Function

Auto diagnostic function will automatically perform a 30 second short-term test each month plus a 90 minute duration test every 12 months through a two colour LED indicator.

Auto Blaghootio eee			
EMERGENCY LED DRIVER STATUS	LED INDICATION	CONDITION	FAILURE PRIORITY
Normal Mode	STEADY Green	Battery is FULLY charged	N/A
	FLASH Green	Battery is charging	N/A
	(1) One Red FLASH	Charging Failure	1
Emergency Mode	(2) Two Red FLASH	Battery Failure	2
	(3) Three Red FLASH	Load Failure	3

#### Auto Diagnostic Code Table:

#### Note:

- Failure Code occurs every 10 seconds. Only the Highest Priority Failure is indicated
- **One Red** flash: Battery failed to fully charge in 24 hours.
- **Two Red** flash: Battery completely dead or bad battery connection.

#### **Manual Testing**

Manual testing can be performed by pressing the Test Switch or Toggling the Emergency Circuit Breaker. The failure code will be the same as Auto Diagnostic Code table above. Follow the Manual Test Sequence below:

#### Manual Testing Sequence Table:

EMERGENCY LED DRIVER STATUS	MANUAL TEST	TEST SWITCH OPERATION	EMERGENCY CIRCUIT BREAKER OPERATION
	Quick Test	Press and Hold	N/A
Normal Mode	30-Second Test	2 x Press and Release	2 x Toggles
Normal Woue	90-Minute Test	3 x Press and Release	3 x Toggles
	Cancel 90-Minute Test	1 x Press and Release	1 x Toggle
Emergency Mode	Sleep Mode	Press and Hold	N/A



Output Voltage 15V to 55V Constant Power 267-73mA Max 4W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 4W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 1800mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



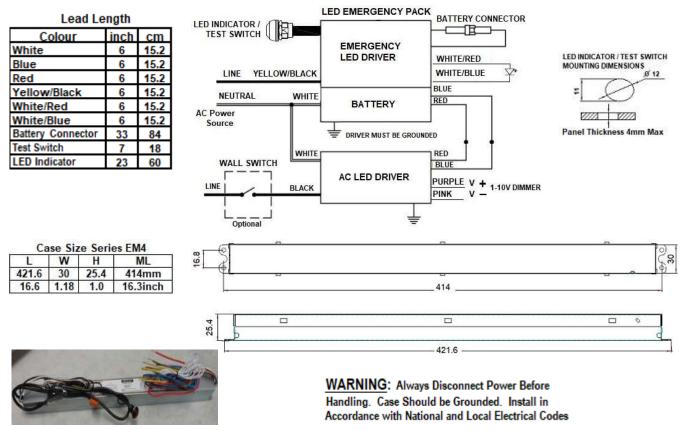
Case Size: EM4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	4W	73-267mA	15 to 55V	CEM4W1555B64PEM4

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

Output Voltage 15V to 55V Constant Power 400-109mA Max 6W

Compact Case For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 6W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 2000mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



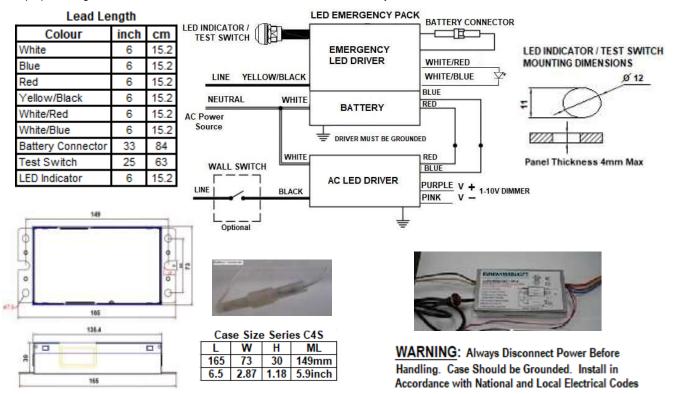
Case Size: C4S

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	6W	109-400mA	15 to 55V	CEM6W1555B64P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}^{age}_{ighting \, ltd.}$ 

Output Voltage 15V to 55V Constant **Power** 400-109mA **Max 6W** 

Compact Case with Studs For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 6W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 2000mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



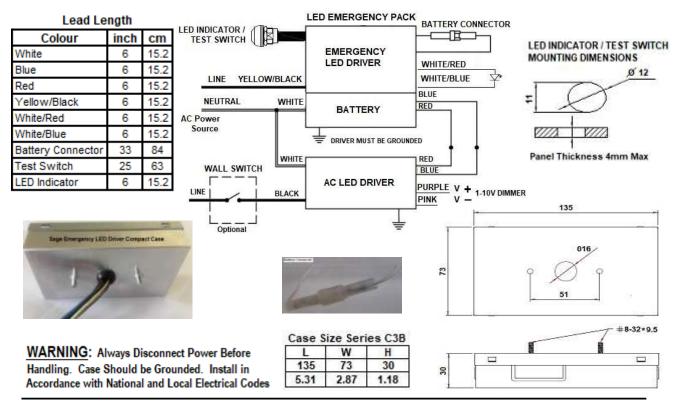
Case Size: C3B

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	6W	109-400mA	15 to 55V	CEM6W1555B64PB

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



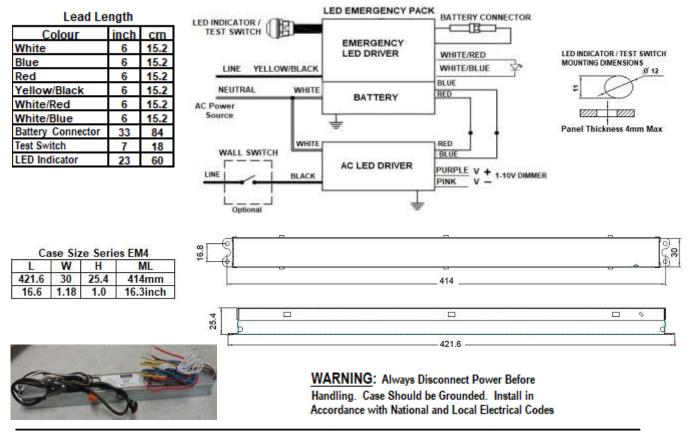
Case Size: EM4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	10W	180-670mA	15 to 55V	CEM10W1555B64PEM4

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired Metal Test Switch**/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



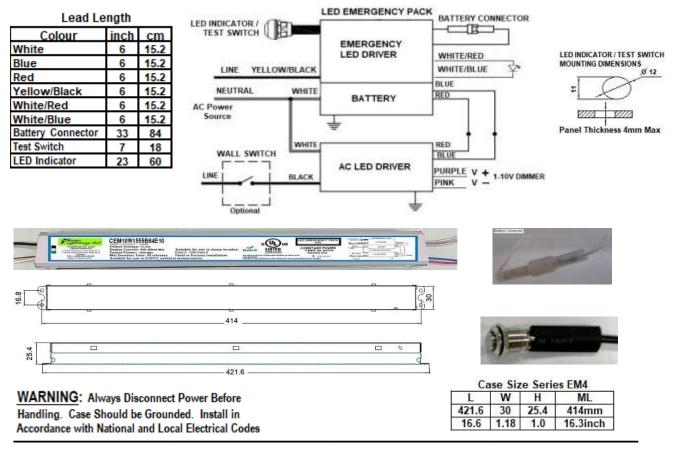
Case Size: EM4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	10W	180-670mA	15 to 55V	CEM10W1555B64PEM4

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



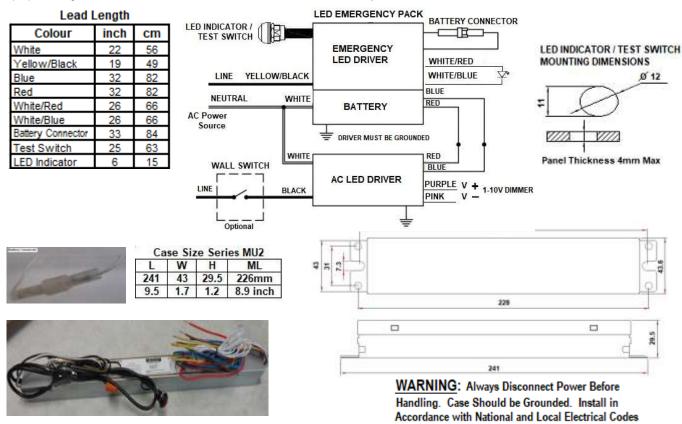
Case Size: MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	10W	180-670mA	15 to 55V	CEM10W1555B64P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

Output Voltage 15V to 55V Constant Power 935-250mA Max 14W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 14W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 12.8V 2000mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



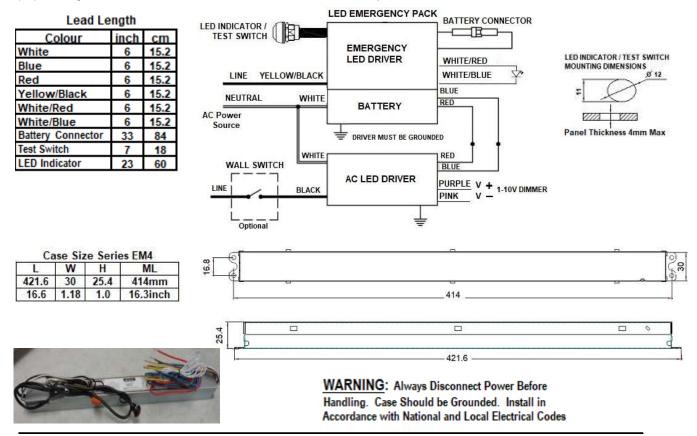
Case Size: EM4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	10W	185mA	12.8V	24 hours	14W	250-935mA	15 to 55V	CEM14W1555B64PEM4

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.





Output Voltage 15V to 55V Constant Power 1350-360mA Max 20W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 4600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



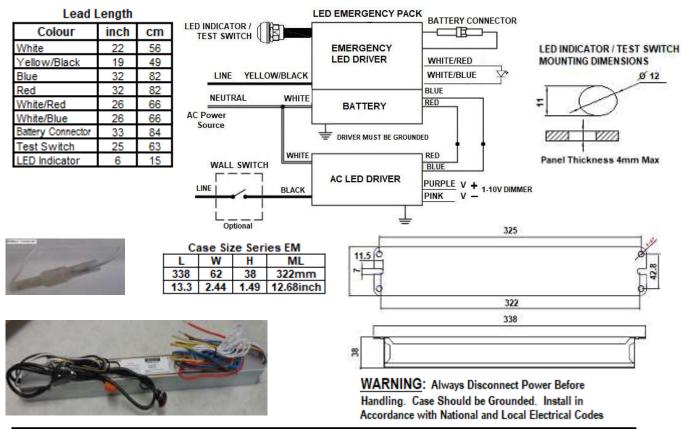
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	130mA	11W	450mA	9.6V	24 hours	20W	<b>360 -1350</b> mA	15 to 55V	CEM20W1555B96P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, **Flexible Metal Conduit** & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-55C

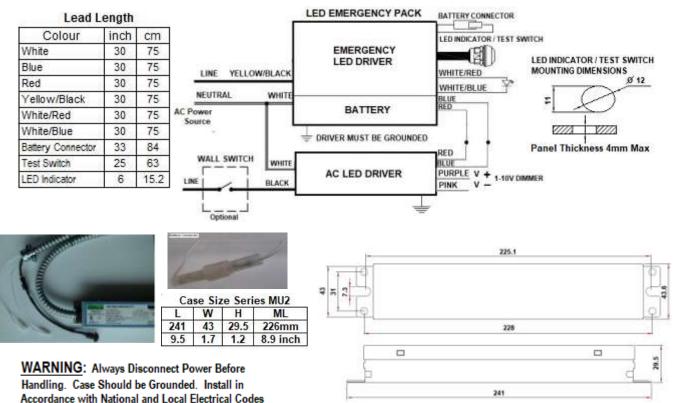


Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	10W	180 -670mA	15 to 55V	CEM10W1555B64PFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Sage Lighting ltd.

Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, **Single Exit Flexible Metal Conduit** & Battery End Connectors. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-55C



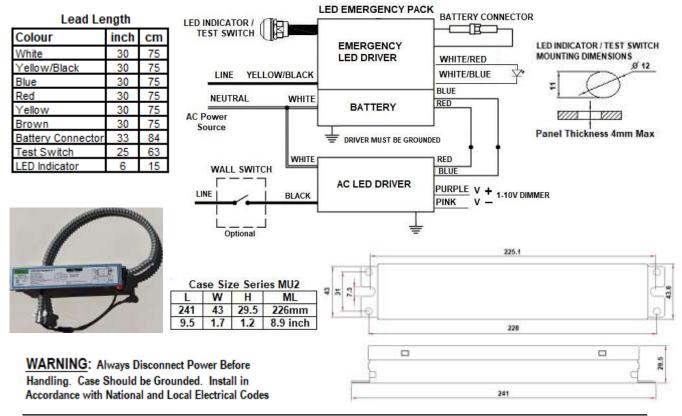
Case Size: MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	10W	180-670mA	15 to 55V	CEM10W1555B64P1FT

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Cighting ltd.

Output Voltage 15V to 55V Constant Power 1350-360mA Max 20W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, **Flexible Metal Conduit** & Battery End Connectors. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 4600mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-55C



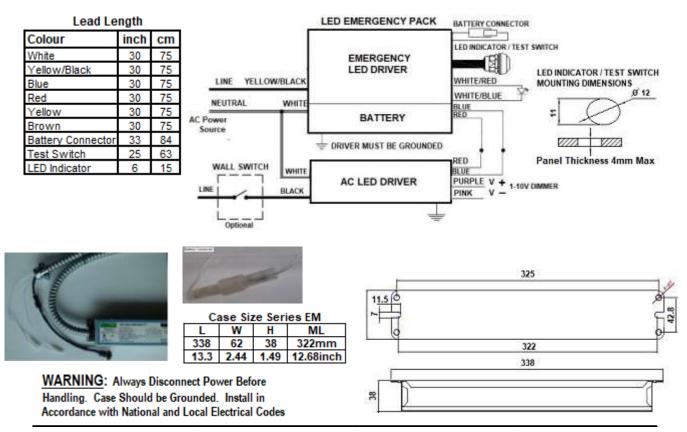
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	130mA	11W	450mA	9.6V	24 hours	20W	360 -1350mA	15 to 55V	CEM20W1555B96PFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

Output Voltage 15V to 55V Constant Power 670-180mA Max 10W

For Use with AC Driver and LED Module with 15-55V Output

347-480V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



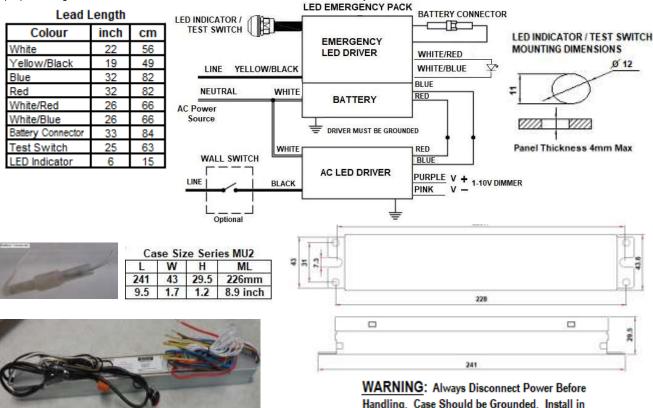
Case Size: MU2

#### Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	110mA	8W	185mA	6.4V	24 hours	10W	180 -670mA	15 to 55V	4EM10W1555B64P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**L**ighting ltd.

Output Voltage 15V to 55V Constant Power 1350-360mA Max 20W

For Use with AC Driver and LED Module with 15-55V Output

347-480V Electronic LED Emergency Constant Power Driver with Factory-wired Test Switch/ Indicator, Face Plate & Battery End Connectors for easy installation. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 4600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



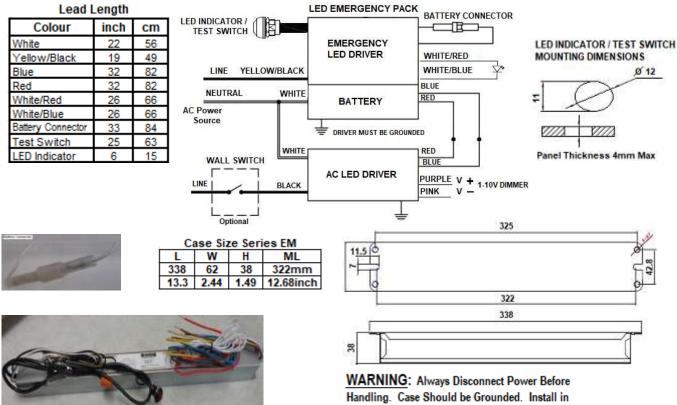
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	130mA	11W	450mA	9.6V	48 hours	20W	<b>360 -1350</b> mA	15 to 55V	4EM20W1555B96P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Accordance with National and Local Electrical Codes

**L**ighting ltd.

Output Voltage 15V to 55V Constant Power 1666-454mA Max 25W

For Use with AC Driver and LED Module with 15-55V Output

347-480V Electronic LED Emergency Constant **Power** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 25W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 6600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-55C



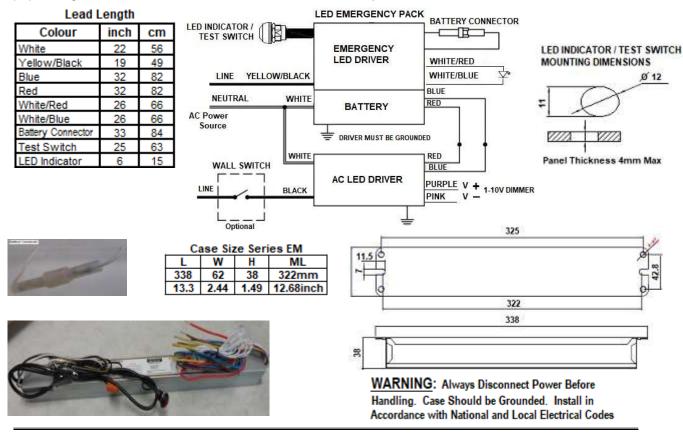
Case Size: EM

#### Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA Min - Max	Output Voltage Min - Max	MODEL
90 Minutes	130mA	11W	450mA	9.6V	48 hours	25W	<b>454 -1666</b> mA	15 to 55V	4EM25W1555B96P

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}^{age}_{ighting \, ltd.}$ 

# EMERGENCY PROGRAMMABLE LED DRIVER KIT 50W 0-10V Dimming 1-100%

Output Range 15V to 55V Current **400A** to **1400A** Max **50W** Low Profile Slim Case Size

Universal Voltage 120-277V Electronic Constant Current combination of Programmable Emergency LED Driver with Battery Pack. Max 50W for 0-10V Dimming application with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

UL, CUL Certified, ROHS CompliantInput VEMIFCC Part 15, Class AOutputRating:IP 30 Damp DryInput FOutput Open/Short ProtectionTHD:Min. Starting Temp:0° CMax. Case Temp:90° CRemoteTypical Efficiency83%Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft



#### Case Size: E4L

C	ue to continuing e	fforts to offer impro	ved products a	11 specifications are su	ubject to change with	nout prior notice	
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.50A	60	50	15 to 55V	400-1400mA	PEM1400C50WSD64E4
	277	0.22A	00	50	15 10 55 V	400-1400MA	FEIVI1400C30VV3D04E4

Emergency Power Spec

OPERATING	INPUT	INPUT	Battery Charge	Battery	Battery Charge	OUTPUT	OUTPUT	OUTPUT
DURATION	CURRENT	WATTS	Current Max	Voltage	Time Max	WATTS	CURRENT Max	VOLTAGE
90 Minutes	60mA	4	185mA	6.4V	24 hours	10	190	15 to 55V

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead	Lengti	1 I
Colour	inch	cm
Black	14	35.6
White	14	35.6
Blue	14	35.6
Red	14	35.6
Yellow/Black	14	35.6
Purple	15	38
Pink	15	38
Test Switch	7	18
LED Indicator	23	60

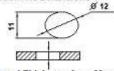
0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

### Case Size Series E4 / E4L

L	W	Н	ML
450	43	29	438mm
17.72	1.69	1.14	17.24inch

LED INDICATOR / TEST SWITCH MOUNTING DIMENSIONS



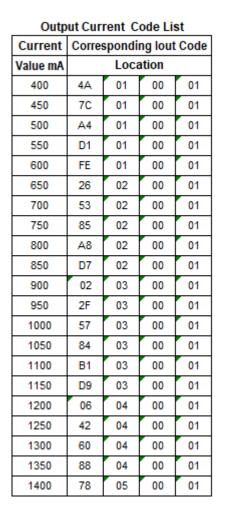
Panel Thickness 4mm Max

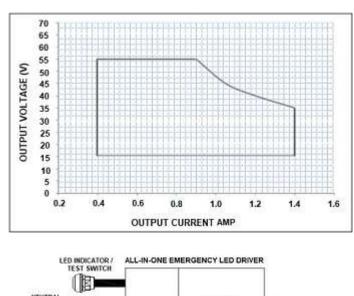
# EMERGENCY PROGRAMMABLE LED DRIVER KIT 50W 0-10V Dimming 1-100%

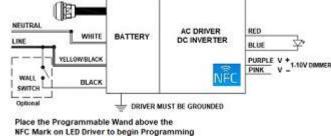
Output Range 15V to 55V Current 400A to 1400A Max **50W** Low Profile Slim Case Size

## PEM1400C50WSD64E4 Series E4L

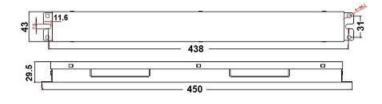
Page...2







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes.





## EMERGENCY LED DRIVER KIT 40W 1-10V Dimming

Output Range 22V to 38V Constant Current 1050mA Max 40W

Universal Voltage 120-277V Electronic Constant **Current** combination Emergency LED Driver with Battery Pack Max 10W for 1-10V Dimming application. **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 22V to 38V for 40W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant						
EMI FCC Part 15, Class A						
Rating: IP 30 Damp Dry						
Output Open/Short Protection						
Min. Starting Temp: O° C						
Max. Case Temp: 90° C						
Typical Efficiency 83%						

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series L1

Due to continuing offerts to offer im-	proved preducte -11 presifications are	subject to change without prior notice
Due to continuina elloris to oller im	idroved broducis all specifications are	e sudiect to change without phor notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.37A	48	40	22 to 38V	1.05	ENU1050C40WSD64
277	0.17A	40	40	22 10 30 V	1.05	LING 1030C40W3D04

#### **Emergency Power Spec**

OPERATI		INPUT	Battery Charge	Battery	Battery Charge	OUTPUT	OUTPUT	OUTPUT
DURATIC		WATTS	Current	Voltage	Time Max	WATTS	CURRENT Max	VOLTAGE
90 Minut	es 60mA	4	185mA	6.4V	24 hours	10	190	15 to 55V

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead	Lengt	h	1000	SEA1612	-			<u></u>	
Colour	inch	cm	LED INDI					RE	D
Black	6	15.2	1000000						_
White	6	15.2		UTRAL		LED DRI			¥*
Blue	6	15.2	LI	NE WHITE	BATTERY	EMERGE	NC	BL	UE
Red	6	15.2	E.	YELLOW/BLACK		LED DRI	VER	PU	
Yellow/Black	6	15.2						PIN	RPLE + 0-10V Dir
Purple	7.1	18	L					11	
Pink	7.1	18	0	ptional		R MUST BE GR	ROUN	DED	
Test Switch	7.1	18							
LED Indicator	23	60				Ca	se Si	ze Se	ries L1
			/	~		L	W	H	ML
0-10V D	immer		10.00	Mar and		261	61	337	246mm
Compatib	ility Ch	art	- Transford	100		10.6	2.4	1.46	9.69 inch
LUTRON	LEVIT	ON	Son and The						
NFTV	DS71	0-10Z		WARNING:	Always Dia	sconnect Pa	wer	Befo	re Handling.
DVTV-WH			1 Alexandre		Case Shou		nded	l. Inst	tall in Accordan



## EMERGENCY LED DRIVER KIT 50W 1-10V Dimming Output Range 26V to 43V Constant Current 1150mA Max 50W

Universal Voltage 120-277V Electronic Constant **Current** combination Emergency LED Driver with Battery Pack Max 10W for 1-10V Dimming application. **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 26V to 43V for 50W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant					
EMI FCC Part 15, Class A					
Rating: IP 30 Damp Dry					
Output Open/Short Protection					
Min. Starting Temp: 0° C					
Max. Case Temp: 90° C					
Typical Efficiency 82%					

Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

### Case Size: Series L1

Due to continuing efforts to offer improv	ad products all specifications are su	ibject to change without prior potice
Due to continuing enorts to oner improv	eu produció an opecifications are ou	ibject to change without phot house

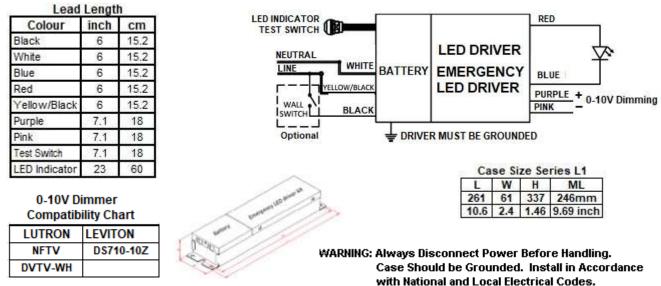
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.46A	58	50	26 to 43V	1.15	ENU1150C50WSD64
277	0.24A	50	50	2010430	1.15	LING 1150C50W5D04

#### **Emergency Power Spec**

OPERATING	INPUT	INPUT	Battery Charge	Battery	Battery Charge	OUTPUT	OUTPUT	OUTPUT
DURATION	CURRENT	WATTS	Current	Voltage	Time Max	WATTS	CURRENT Max	VOLTAGE
90 Minutes	60mA	4	185mA	6.4V	24 hours	10	190	15 to 55V

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Page Lighting ltd.

## EMERGENCY LED DRIVER KIT 60W 1-10V Dimming Output Range 24V to 40V Constant Current 1500mA Max 60W

Universal Voltage 120-277V Electronic Constant **Current** combination Emergency LED Driver with Battery Pack Max 10W for 1-10V Dimming application. **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 24V to 40V for 60W maximum. All Specifications are nominal unless otherwise noted.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant						
EMI FCC Part 15, Class A						
Rating: IP 30 Damp Dry						
Output Open/Short	Protection					
Min. Starting Temp:	0° C					
Max. Case Temp: 90° C						
Typical Efficiency	84%					

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series L1

Design of the second se		and the left of the selection of the sector
1 ) Let to continuing efforts to offer in	nroved broducts all specifications	are subject to change without prior notice
Due to continuing choits to oner in	iproved products an opcomodions	are subject to change without phot house

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.66A	71	60	24 to 40V	1.5	ENU1500C60WSD64
277	0.29A	1	00	24 10 40 0	1.0	LING 1300C00W3D04

#### **Emergency Power Spec**

OPERATIN		INPUT	Battery Charge	Battery	Battery Charge	OUTPUT	OUTPUT	OUTPUT
DURATIO		WATTS	Current	Voltage	Time Max	WATTS	CURRENT Max	VOLTAGE
90 Minute	s 60mA	4	185mA	6.4V	24 hours	10	190	15 to 55V

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead	Length	1	
Colour	inch	cm	
Black	6	15.2	
White	6	15.2	
Blue	6	15.2	
Red	6	15.2	
Yellow/Black	6	15.2	WALL BLACK
Purple	7.1	18	
Pink	7.1	18	Optional 🚽 DRIVER MUST BE GROUNDED
Test Switch	7.1	18	
LED Indicator	23	60	Case Size Series L1
0-10V D	immer		261 61 337 246mm
Compatib	ility Ch	art	10.6 2.4 1.46 9.69 inch
LUTRON	LEVIT	ON	here want the
NFTV	DS710-10Z		WARNING: Always Disconnect Power Before Handling.
DVTV-WH			Case Should be Grounded. Install in Accorda with National and Local Electrical Codes.



Output Voltage 15V to 55V Constant Current 72mA Max 4W

Low Profile for Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 4W maximum. All Specifications are nominal unless otherwise noted.

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: LiFePO4 6.4V 1500mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



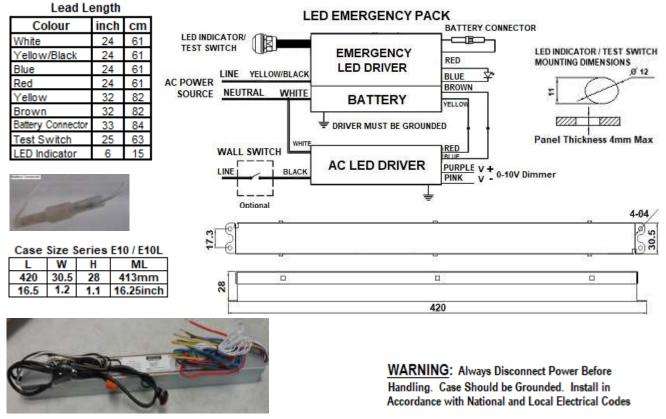
Case Size: E10L

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	37mA	2.95W	185mA	6.4V	24 Hrs	4W	72mA	15 to 55V	CEM4W1555B64E10

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}_{ighting}^{age}$  ltd.

Output Voltage 80V to 130V Constant Current 60mA Max 8W

For Use with AC Driver and LED Module with 80V to 130V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 80V to 130V for 8W maximum. All Specifications are nominal unless otherwise noted

## **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



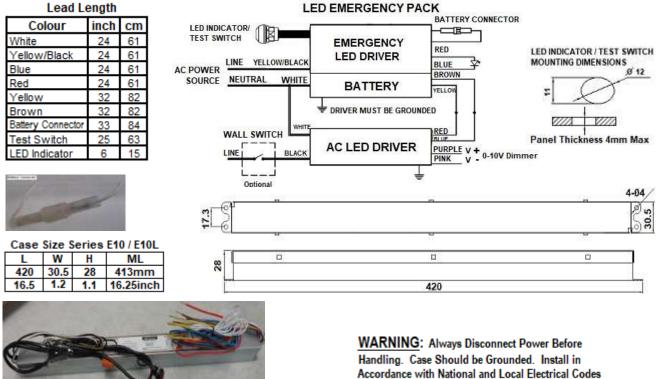
#### Case Size: E10L

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	40mA	3.5W	185mA	6.4V	24 Hrs	8W	60mA	80 to 130V	CEM8W80130B64E10

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{T}_{ighting}^{age}$  ltd.

Output Voltage 80V to 130V Constant Current 60mA Max 8W

For Use with LED Module with 80V to 130V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 80V to 130V for 8W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



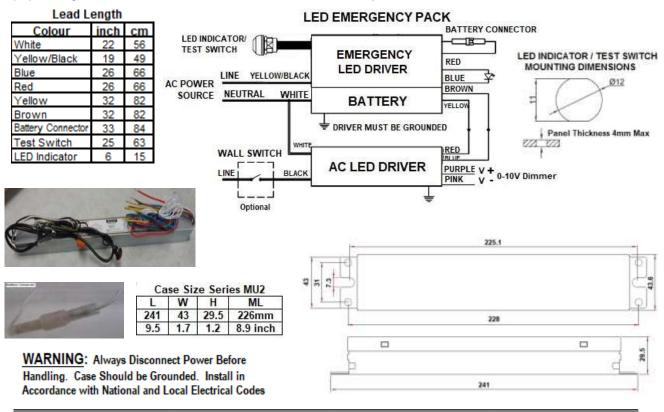
Case Size: MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	40mA	3.5W	185mA	6.4V	24 Hrs	8W	60mA	80 to 130V	CEM8W80130B64

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Voltage 80V to 176V Constant Current 45mA Max 8W

For Use with AC Driver and LED Module with 80V to 176V Output

120-347V Electronic LED Emergency Constant Current Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 80V to 176V for 8W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



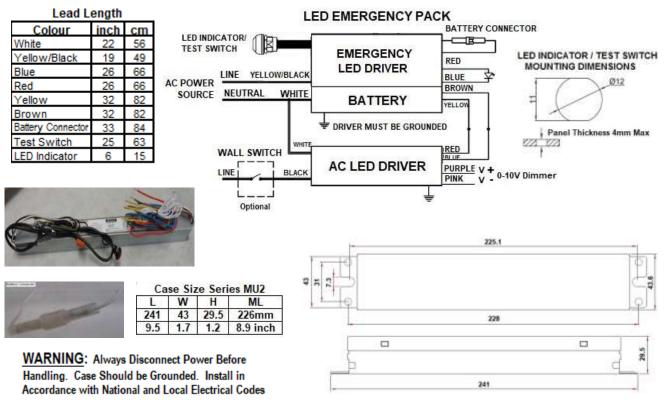
Case Size: MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	40mA	3.5W	185mA	6.4V	24 Hrs	8W	45mA	80 to 176V	CEM8W80176B64

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Voltage 15V to 55V Constant Current 190mA Max 10W

For Use with AC Driver and LED Module with 15V to 55V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



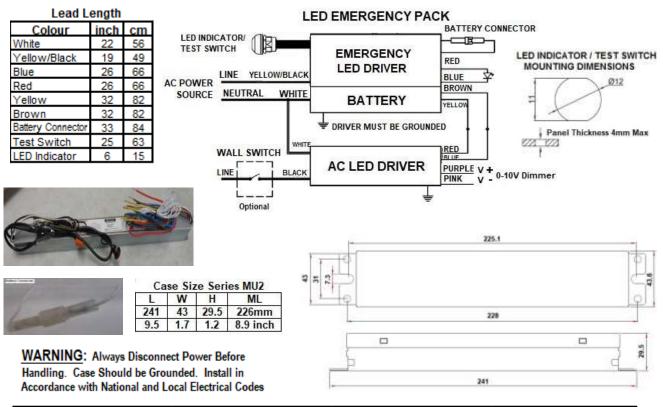
Case Size: MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Ope	rgency rating ration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 M	linutes	37mA	2.95W	185mA	6.4V	24 Hrs	10W	190mA	15 to 55V	CEM10W1555B64

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Voltage 15V to 55V Constant Current 190mA Max 10W

Low Profile for Use with LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



Case Size: E10L

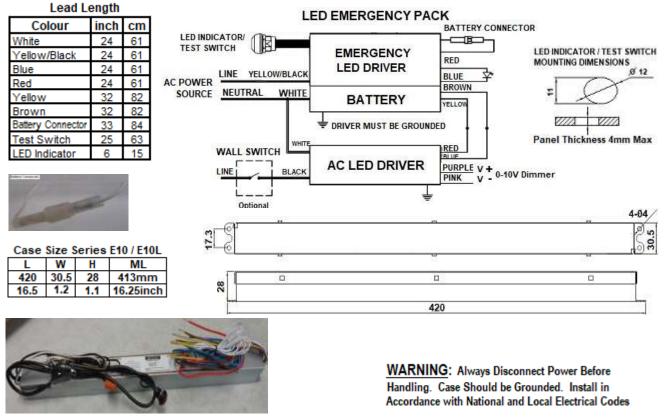
2/8/23

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	37mA	2.95W	185mA	6.4V	24 Hrs	10W	190mA	15 to 55V	CEM10W1555B64E10

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}_{ighting}^{age}$  ltd.

Output Voltage 15V to 55V Constant Current 380mA Max 20W

For Use with AC Driver and LED Module with 15V to 55V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 4600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure Operating Ambient Temp 0-50C



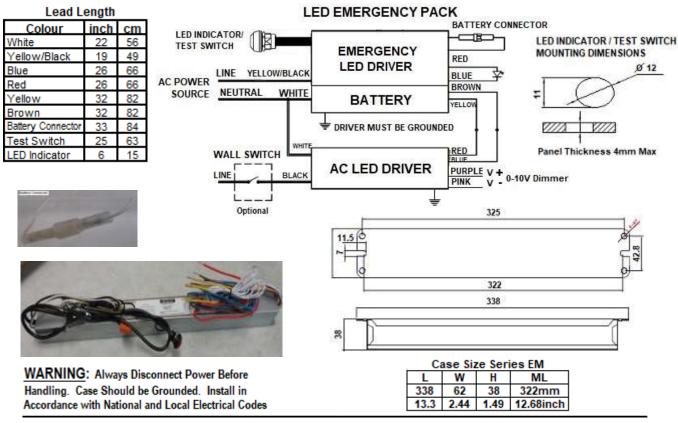
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	113mA	4.6W	450mA	9.6V	24 Hrs	20W	380mA	15 to 55V	CEM20W1555B96

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Voltage 80V to 130V Constant Current 220mA Max 28.6W

For Use with AC Driver and LED Module with 80V to 130V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 80V to 130V for 28.6W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 6600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



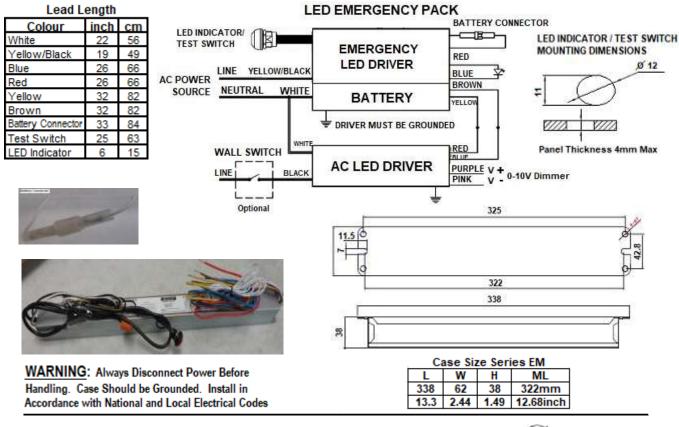
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

-	PERATING URATION	INPUT CURRENT	INPUT WATTS	Battery Charge Current	Battery Voltage	Battery Charge Time Max	OUTPUT WATTS Max	OUTPUT CURRENT Max	OUTPUT VOLTAGE Max	MODEL
90	) Minutes	113mA	8.7W	450mA	9.6V	24 hours	28.6W	220mA	80 to 130V	CEM28W80130B96

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# Output Voltage 80V to 176V Constant Current 160mA Max 28W

For Use with AC Driver and LED Module with 80V to 176V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate & Battery End Connectors for **easy** installation. Output Range of 80V to 176V for 28W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 6600mAh Remote Wiring Distance Full Load: 18AWG -18 ft For Installation inside an Electrical Enclosure. Operating Ambient Temp 0-50C



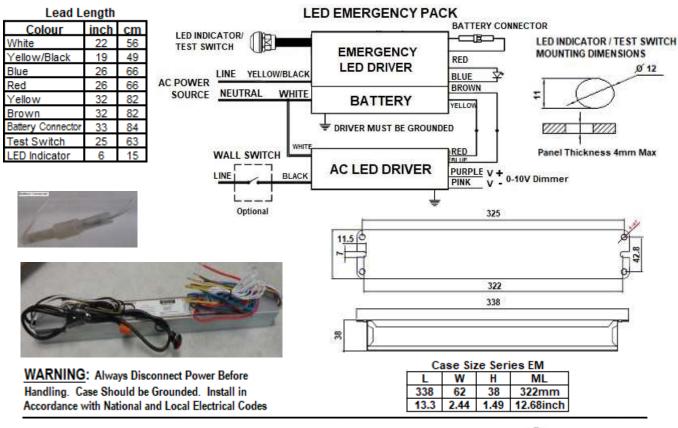
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

OPERATING DURATION	INPUT CURRENT	INPUT WATTS	Battery Charge Current	Battery Voltage	Battery Charge Time Max	OUTPUT WATTS Max	OUTPUT CURRENT Max	OUTPUT VOLTAGE Max	MODEL
90 Minutes	113mA	4.6W	210mA	9.6V	24 hours	28W	160mA	80 to 176V	CEM28W80176B96

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# Output Voltage 80V to 130V Constant Current 60mA Max 8W

For Use with LED Module with 80V to 130V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/Indicator, Face Plate, **Flexible Metal Conduit** & Battery End Connectors for **easy** installation. Output Range of 80V to 130V for 8W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification**:

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-50C



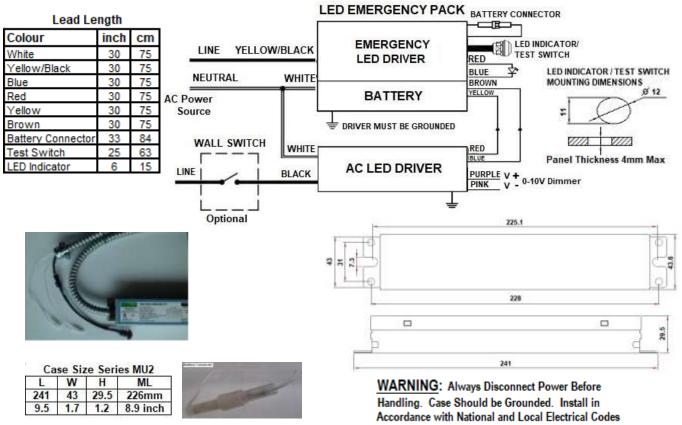
#### Case Size: MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	40mA	3.5W	185mA	6.4V	24 hours	8W	60mA	80 to 130V	CEM8W80130B64CFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

# Output Voltage 80V to 176V Constant Current 45mA Max 8W

For Use with AC Driver and LED Module with 80V to 176V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, **Flexible Metal Conduit** & Battery End Connectors for **easy** installation. Output Range of 80V to 176V for 8W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-50C



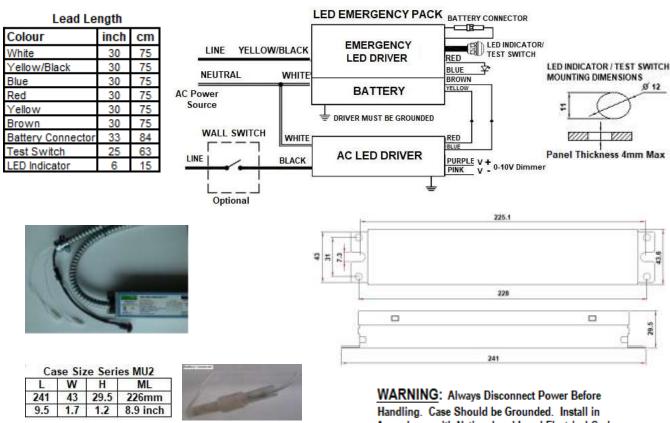
Case Size: MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	40mA	3.5W	185mA	6.4V	24 Hrs	8W	45mA	80 to 176V	CEM8W80176B64CFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**Z**ighting ltd.

# Output Voltage 15V to 55V Constant Current 190mA Max 10W

For Use with AC Driver and LED Module with 15-55V Output

120-347V Electronic LED Emergency Constant Current Driver with Factory-wired Test Switch/ Indicator, Face Plate, Flexible Metal Conduit & Battery End Connectors for easy installation. Output Range of 15V to 55V for 10W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: LiFePO4 6.4V 3300mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-50C



Case Size: MU2

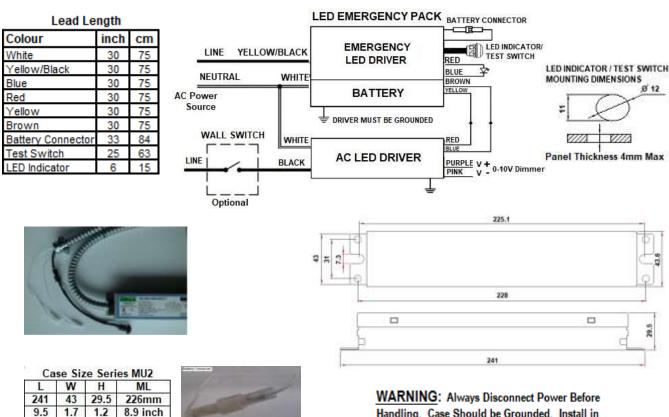
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current Max	Battery Voltage	Battery Charge Time Max	Output Watts Max	Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	37mA	2.95W	185mA	6.4V	24 Hrs	10W	190mA	15 to 55V	CEM10W1555B64CFT

LIMITED WARRANTY

9.5

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Handling, Case Should be Grounded, Install in Accordance with National and Local Electrical Codes



Output Voltage 15V to 55V Constant Current 380mA Max 20W

For Use with AC Driver and LED Module with 15V to 55V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, **Flexible Metal Conduit** & Battery End Connectors for **easy** installation. Output Range of 15V to 55V for 20W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 4600mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-50C



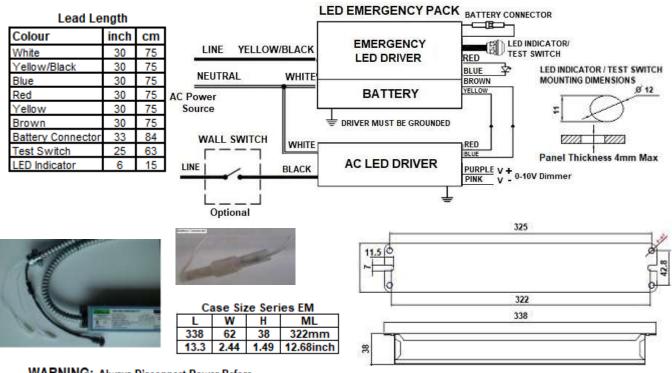
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

Emergency Operating Duration	Input Current Max	Input Watts Max	Battery Charge Current	Battery Voltage	Battery Charge Time Max	Output Watts Max	Rated Output Current mA	Output Voltage Min - Max	MODEL
90 Minutes	113mA	4.6W	450mA	9.6V	24 hours	20W	380mA	15 to 55V	CEM20W1555B96CFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Output Voltage 80V to 130V Constant Current 220mA Max 28.6W

For Use with AC Driver and LED Module with 80V to 130V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, **Flexible Metal Conduit** & Battery End Connectors for **easy** installation. Output Range of 80V to 130V for 28.6W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 6600mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-50C

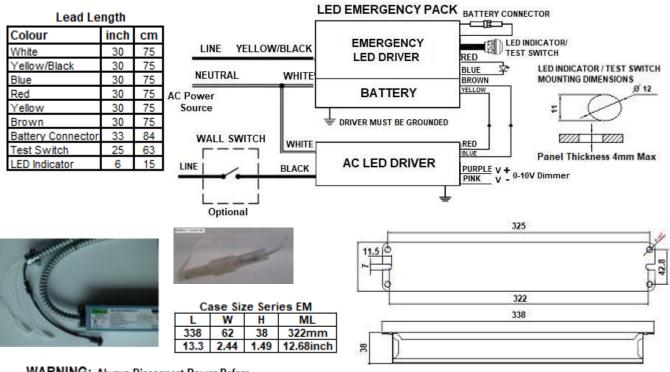


Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

OPERATING DURATION	INPUT Current	INPUT WATTS	Battery Charge Current	Battery Voltage	Battery Charge Time Max	OUTPUT WATTS Max	OUTPUT CURRENT Max	OUTPUT VOLTAGE Max	MODEL
90 Minutes	113mA	8.7W	450mA	9.6V	24 hours	28.6W	220mA	80 to 130V	CEM28W80130B96CFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



#### WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# Output Voltage 80V to 176V Constant Current 160mA Max 28W

For Use with AC Driver and LED Module with 80V to 176V Output

120-347V Electronic LED Emergency Constant **Current** Driver with **Factory-wired** Test Switch/ Indicator, Face Plate, **Flexible Metal Conduit** & Battery End Connectors for **easy** installation. Output Range of 80V to 176V for 28W maximum. All Specifications are nominal unless otherwise noted.

# **Technical Specification:**

FCC Part 15 Class A UL924, CSA C22.2 No. 141-15, Meets CEC Title 20 Standards, ROHS Compliant Rating: IP30. Battery Type/Model Number: Lithium LiFePO4, 9.6V, 6600mAh Remote Wiring Distance Full Load: 18AWG -18 ft. Operating Ambient Temp 0-50C



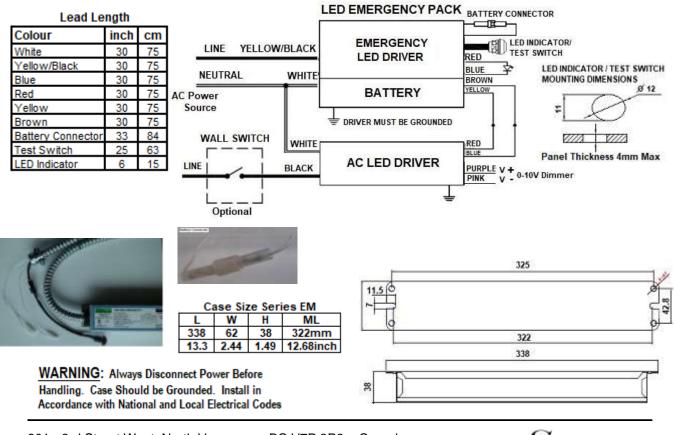
Case Size: EM

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

OPERATING DURATION	INPUT Current	INPUT WATTS	Battery Charge Current	Battery Voltage	Battery Charge Time Max	OUTPUT WATTS Max	OUTPUT CURRENT Max	OUTPUT VOLTAGE Max	MODEL
90 Minutes	113mA	4.6W	450mA	9.6V	24 hours	28W	160mA	80 to 176V	CEM28W80176B96CFT

LIMITED WARRANTY

5 YEAR at maximum case temperature 60 deg C. 3 YEAR at maximum case temperature 66 deg C. 3 YEAR for battery. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

 ${ightharpoonup}{ighting}$  ltd.

# Sage

# 347- 480V Fixed Current, 2 Dimmer & Selectable Multi Current CCT Colour Control

Sage offers Custom design capability including multiple Form factor and output values to provide flexibility for the Fixture Manufacturers to design for specialized range of luminaires.

Sage 347-480V, 2 Dimmer & Selectable Multi Current CCT Colour Control drivers are versatile and the output current could be modified for various applications. These drivers offer increased productivity and flexibility for the Fixture Manufacturers to design a wide range of luminaires utilizing various light sources available to them while maintaining the lo West level of inventory possible.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-Programming is available to facilitate large production needs.

We would be pleased to review your design needs.

# 347V-480V LED DRIVER 65W 0-10V Dimming Output Range 112V to 186V Constant Current 350mA Max 65W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 112V to 186V for Single circuit 65W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: **Typical Efficiency:** 82%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft

#### Case Size: Series FS5

Design of the second se	and the state of t	the state of the second st
Due to continuing efforts to offer improved	products all specifications are sur	Nect to change without prior notice
Bue to continuing enorts to oner improved	producto an opcomoditorio di c out	Jool to onunge without phot notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	79	65	112 to 186V	0.35A	NCF350C65WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Lead	l Ler	igth		)-10V mpa		mer y Chart
Colour	inc	cm	LU	TRON	I LE	VITON
Black	6	15.2	N	FTV	1	DS710-10Z
White	6	15.2	DV1	V-WI	1	
Blue	6	15.2				
Red	6	15.2	Ca	ise Si	ze Se	eries FS5
Pink	7.1	18	L	W	Н	ML
			241	66	40.5	226mm
Purple	7.1	18	9.5	2.6	1.6	8.9inch

NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

LED

DRIVER

DIMMING

INPUT

BLACK

LINE

WHITE

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

OUTPUT

RED

BLUE



# **347V-480V LED DRIVER 150W 0-10V Dimming** Output Range 168V to 280V Constant Current **530mA** Max **150W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 168V to 280V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	h: 18AWG -18 ft Typical

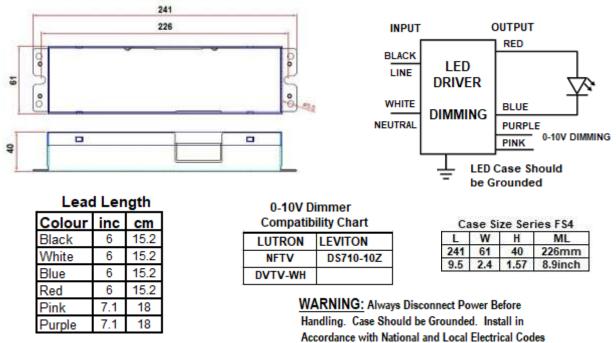
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	165	150	168 to 280V	0.53A	NCF530C150WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V-480V LED DRIVER 151W 0-10V Dimming Output Range 171V to 285V Constant Current 530mA Max 151W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 171V to 285V for Single circuit 151W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: Efficiency: 88%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	h: 18AWG -18 ft Typical

#### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

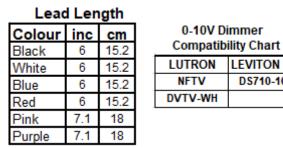
LEVITON

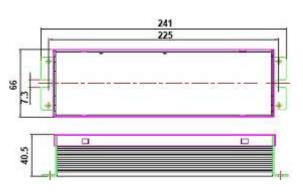
DS710-10Z

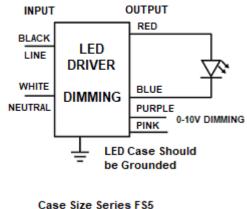
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	172	151	171 to 285V	0.53A	NCF530C151WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage. installation, use, and maintenance and conformance with any recommendations of Manufacturer







w	H	ML
66	40.5	226mm
2.6	1.6	8.9inch
	66 2.6	66 40.5 2.6 1.6

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**L**ighting ltd.

# **347V-480V LED DRIVER 150W 0-10V Dimming** Output Range 130V to 214V Constant Current **700mA** Max **150W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 130V to 214V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant				
EMI FCC Part 15, Class A				
Rating: IP 65 Damp, Dry				
Output Open/Short Protection				
Min. Starting Temp: - 40° C				
Max. Case Temp: 90° C				
Typical Efficiency: 90%				

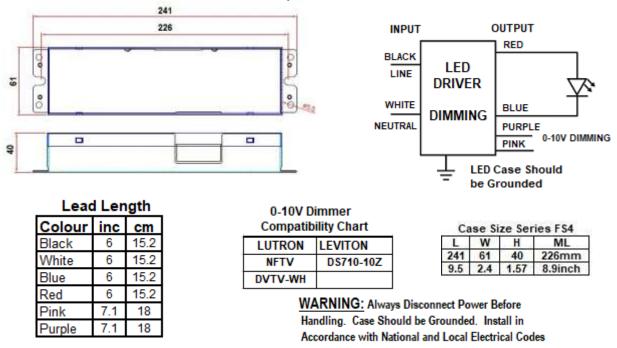
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG -18 ft

#### Case Size: Series FS4

Ľ	ue to continuing effort	ts to offer improved produ	ucts all specifica	ations are subject to c	hange without prior noti	ce 2/1	2/22
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347-480V	0.48A – 0.34A	165	150	130 to 214V	0.7A	NCF700C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

# **347V-480V LED DRIVER 200W 0-10V Dimming** Output Range 171V to 285V Constant Current **700mA** Max **200W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 171V to 285V for Single circuit 200W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 93%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft Typical

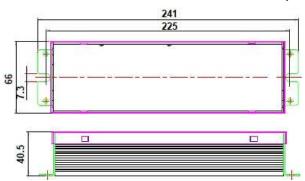
#### Case Size: Series FS5

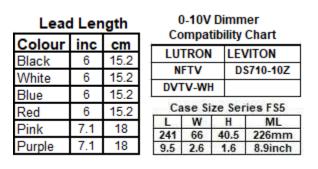
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

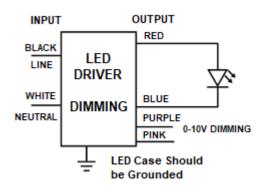
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	215	200	171 to 285V	0.7A	NCF700C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**Z**ighting ltd.

# 347V-480V LED DRIVER 200W 0-10V Dimming Output Range 120V to 200V Constant Current 1000mA Max 200W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 120V to 200V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

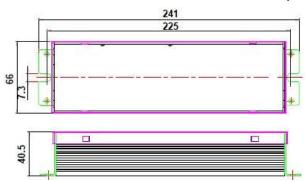
#### Case Size: Series FS5

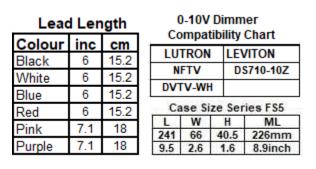
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

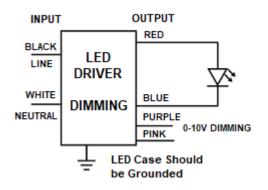
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	120 to 200V	1.0A	NCF1000C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 86V to 143V Constant Current 1050mA Max 150W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 86V to 143V for Single circuit 150W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Loa	d: 18AWG -18 ft

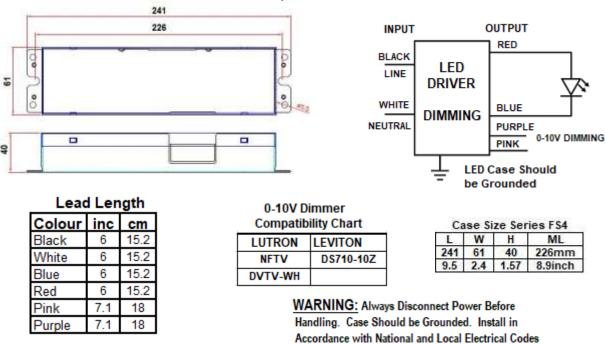
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	86 to 143V	1.05A	NCF1050C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# 347V-480V LED DRIVER 200W 0-10V Dimming Output Range 114V to 190V Constant Current 1050mA Max 200W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 114V to 190V for Single circuit 200W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

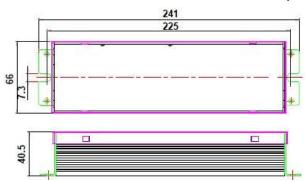
#### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

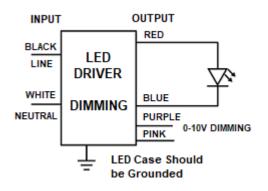
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	114 to 190V	1.05A	NCF1050C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth		0-10V		
Colour inc cm			· ·		y Chart	
Black	6	15.2		TRON	-	EVITON
White	6	15.2		FTV	_	DS710-10Z
Blue	6	15.2	DV	IN-M	1	
Red	6	15.2	Ca	nse Si	ize Se	eries FS5
Pink	7.1	18	L	W	H	ML
	1.1		241	66	40.5	226mm
Purple	7.1	18	9.5	2.6	1.6	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

# 347V-480V LED DRIVER 200W 0-10V Dimming Output Range 100V to 166V Constant Current 1200mA Max 200W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 100V to 166V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

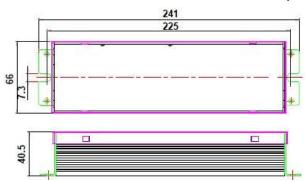
#### Case Size: Series FS5

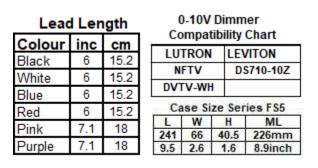
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

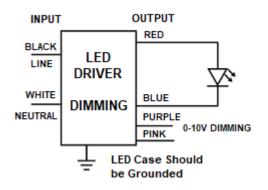
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	100 to 166V	1.2A	NCF1200C200WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# 347V-480V LED DRIVER 180W 0-10V Dimming Output Range 86V to 143V Constant Current 1250mA Max 180W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 86V to 143V for Single circuit 180W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

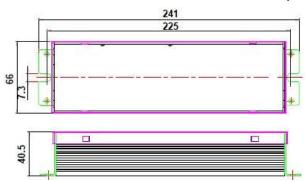
#### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

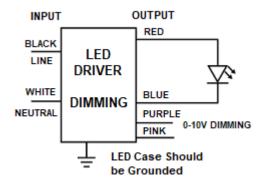
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	202	180	86 to 143V	1.25A	NCF1250C180WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	-	)-10V		
Colour inc cm		-	TRON		y Chart EVITON	
Black	6	15.2			_	
White	6	15.2	-	FTV	_	DS710-10Z
Blue	6	15.2	DVI	V-W	1	
Red	6	15.2	Ca	ise Si	ize S	eries FS5
Pink	7.1	18	241	W 66	H 40.4	ML 5 226mm
Purple	7.1	18	9.5	2.6	1.6	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

# 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 69V to 115V Constant Current 1300mA Max 150W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 69V to 115V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full La	oad: 18AWG -18 ft

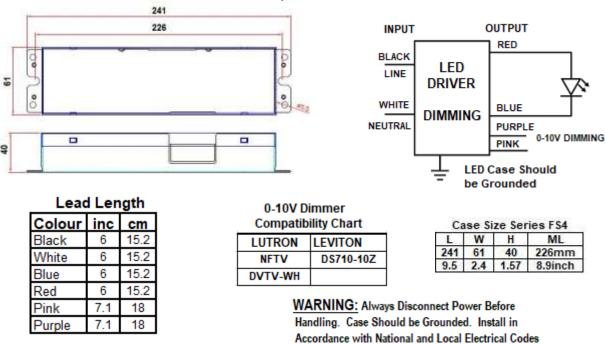
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	69 to 115V	1.3A	NCF1300C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 64V to 107V Constant Current 1400mA Max 150W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 64V to 107V for Single circuit 150W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft

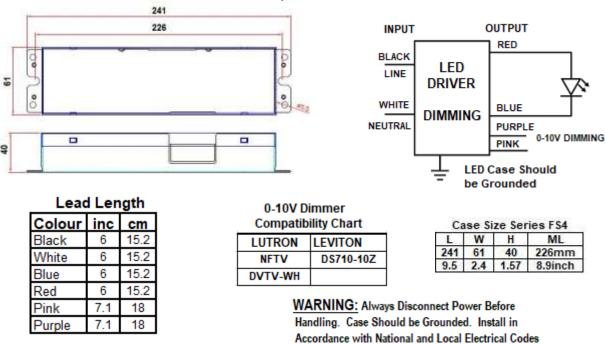
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	64 to 107V	1.4A	NCF1400C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# **347V-480V LED DRIVER 200W 0-10V Dimming** Output Range 86V to 143V Constant Current **1400mA** Max **200W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 86V to 143V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

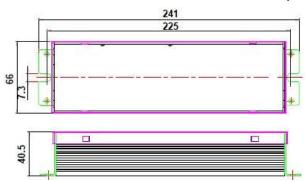
#### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

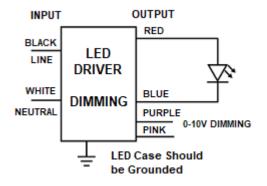
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	86 to 143V	1.4A	NCF1400C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	-	0-10V Dimmer Compatibility Chart						
Colour	inc	inc cm -				-		
Black	6	15.2		TRON	_	EVITON		
White	6	15.2	-	NFTV		DS710-10Z		
Blue	6	15.2	DVI	DVTV-WH				
Red	6	15.2	Ca	ise Si	ize S	eries FS5		
Pink	7.1	18	241	W 66	H 40.4	ML 5 226mm		
Purple	7.1	18	9.5	2.6	1.6			



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

# 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 50V to 83V Constant Current 1800mA Max 150W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 50V to 83V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Ful	Load: 18AWG -18 ft

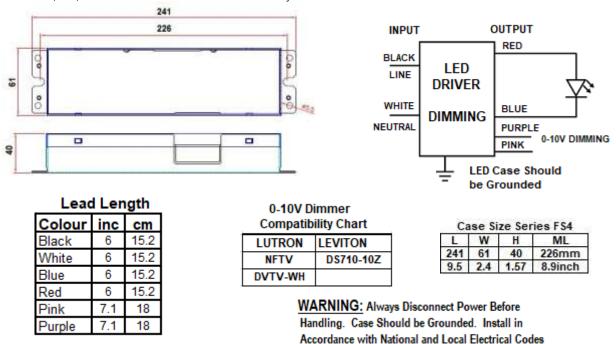
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	50 to 83V	1.8A	NCF1800C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Dage Lighting ltd.

# **347V-480V LED DRIVER 200W 0-10V Dimming** Output Range 67V to 111V Constant Current **1800mA** Max **200W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 67V to 111V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

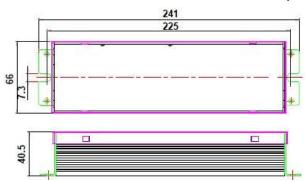
#### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

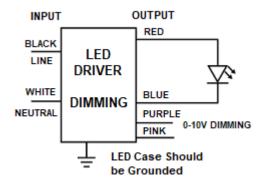
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	67 to 111V	1.8A	NCF1800C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	-	0-10V Dimmer Compatibility Chart						
Colour	inc	inc cm -				-		
Black	6	15.2		TRON	_	EVITON		
White	6	15.2	-	NFTV		DS710-10Z		
Blue	6	15.2	DVI	DVTV-WH				
Red	6	15.2	Ca	ise Si	ize S	eries FS5		
Pink	7.1	18	241	W 66	H 40.4	ML 5 226mm		
Purple	7.1	18	9.5	2.6	1.6			



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

# **347V-480V LED DRIVER 75W 0-10V Dimming** Output Range 22V to 36V Constant Current **2100mA** Max **75W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 75W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Ful	Load: 18AWG -18 ft

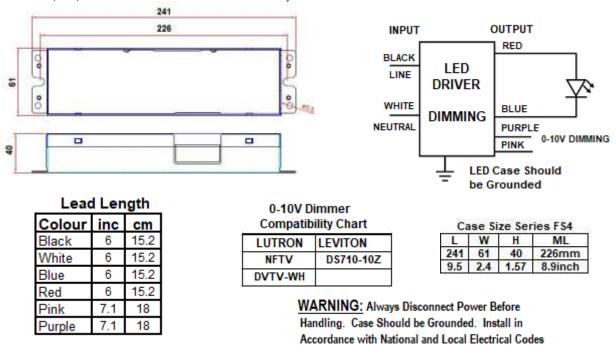
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	88	75	22 to 36V	2.1A	NCF2100C75WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

# **347V-480V LED DRIVER 150W 0-10V Dimming** Output Range 43V to 71V Constant Current **2100mA** Max **150W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 43V to 71V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant						
EMI FCC Part 15, Class A						
Rating: IP 65 Damp, Dry						
Output Open/Short Protection						
Min. Starting Temp: - 40° C						
Max. Case Temp: 90° C						
Typical Efficiency: 90%						

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

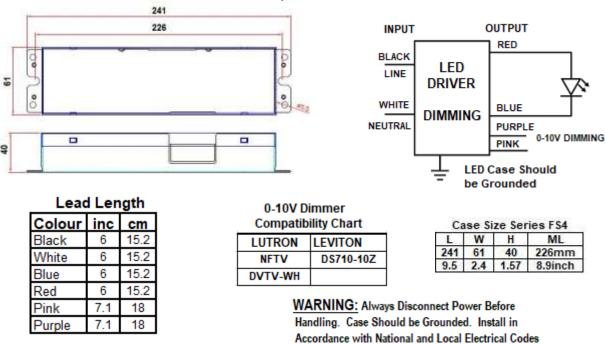
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

,	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
;	347-480V	0.48A – 0.34A	167	150	43 to 71V	2.1A	NCF2100C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V-480V LED DRIVER 200W 0-10V Dimming Output Range 57V to 95V Constant Current 2100mA Max 200W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 57V to 95V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

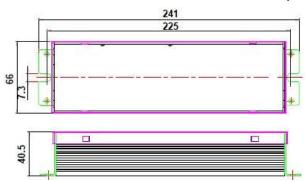
#### Case Size: Series FS5

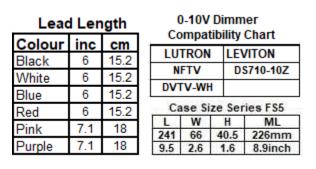
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

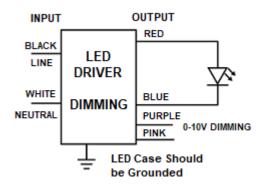
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	57 to 95V	2.1A	NCF2100C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Page Lighting ltd.

# 347V-480V LED DRIVER 92W 0-10V Dimming Output Range 24V to 40V Constant Current 2300mA Max 92W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 92W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant FCC Part 15, Class A EMI Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: Typical Efficiency: 86%

Input Voltage range:	<u>+</u> 10%			
Output Load range	<u>+</u> 5%			
Input Frequency:	50/60HZ			
THD:	< 20%			
Power Factor Min:	0.90			
Remote Wiring Distance Full Load: 18AWG -18 f				

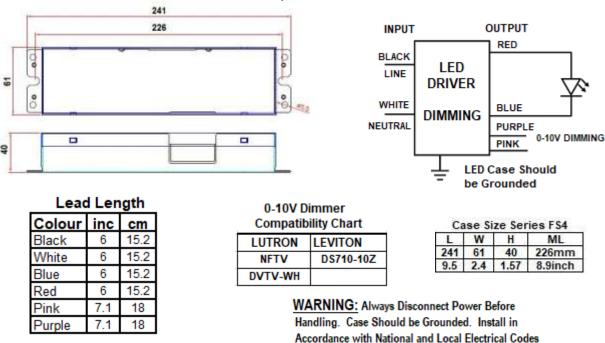
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	107	92	24 to 40V	2.3A	NCF2300C92WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# **347V-480V LED DRIVER 100W 0-10V Dimming** Output Range 25V to 41V Constant Current **2400mA** Max **100W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 41V for Single circuit 100W maximum.

## **Technical Specification:**

UL, CUL Recognized, R	OHS Compliant
EMI FCC Part 15, Cla	ass A
Rating: IP 65 Damp, I	Dry
Output Open/Short Pr	otection
Min. Starting Temp:	- 40° C
Max. Case Temp:	90° C
Typical Efficiency:	86%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Loc	ad: 18AWG -18 ft

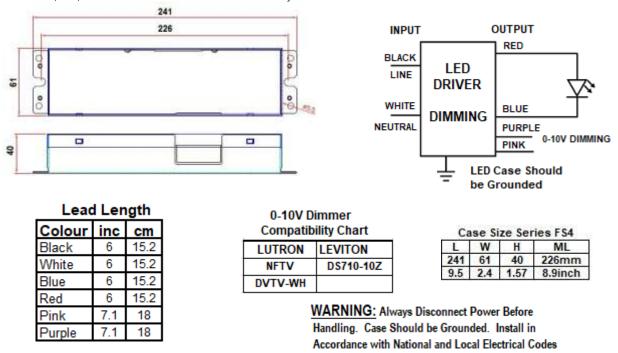
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	117	100	25 to 41V	2.4A	NCF2400C100WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com Eighting ltd.

### 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 36V to 60V Constant Current 2500mA Max 150W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant FCC Part 15, Class A EMI Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full La	oad: 18AWG -18 ft

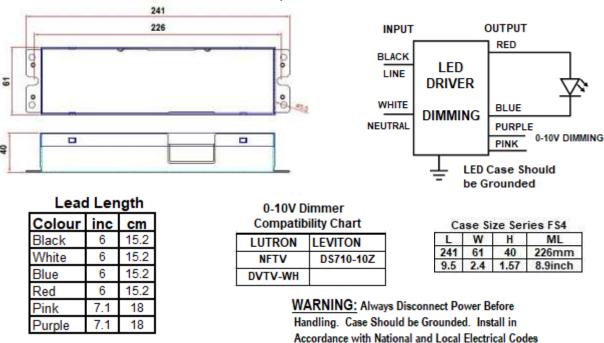
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	36 to 60V	2.5A	NCF2500C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

### **347V-480V LED DRIVER 200W 0-10V Dimming** Output Range 48V to 80V Constant Current **2500mA** Max **200W**

347V-480V Electronic Constant Current 2500mA LED Driver 0-10V Dimming. Output Range of 48V to 80V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft Typical

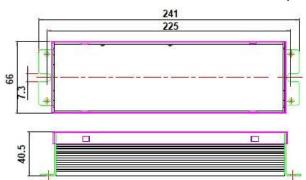
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

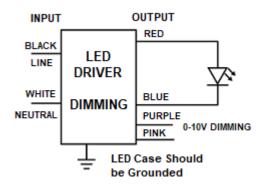
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	48 to 80V	2.5A	NCF2500C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	0-10V Dimmer					
Colour	inc	cm	-	Compatibility Chart				
Black	6	15.2		TRON	_	EVITON		
White	6	15.2		FTV	$\rightarrow$	DS710-10Z		
Blue	6	15.2	DVI	V-W	1			
Red	6	15.2	Ca	ise Si	ize S	eries FS5		
Pink	7.1	18	L	W	H	ML		
			241	66	40.	5 226mm		
Purple	7.1	18	9.5	2.6	1.6	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Cighting ltd.

### **347V-480V LED DRIVER 150W 0-10V Dimming** Output Range 32V to 54V Constant Current **2800mA** Max **150W**

347V-480V Electronic Constant Current 2800mA LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant									
EMI FCC Part 15, C	Class A								
Rating: IP 65 Damp,	Dry								
Output Open/Short P	Protection								
Min. Starting Temp:	- 40° C								
Max. Case Temp:	90° C								
Typical Efficiency:	90%								

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

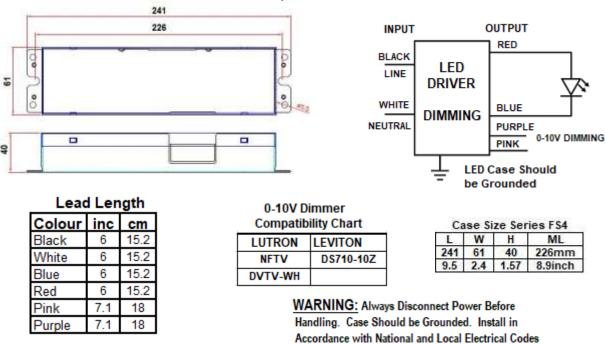
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	32 to 54V	2.8A	NCF2800C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 32V to 53V Constant Current 2800mA Max 150W IP67

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 32V to 53V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP67 Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

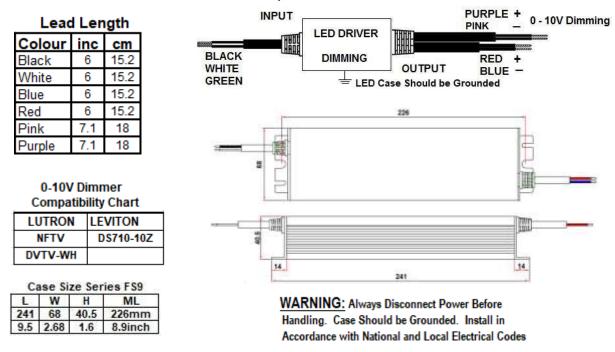
Case Size: Series FS9

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	32 to 53V	2.8A	NCF2800C150WSD-IP67

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### **347V-480V LED DRIVER 200W 0-10V Dimming** Output Range 43V to 71V Constant Current **2800mA** Max **200W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 43V to 71V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

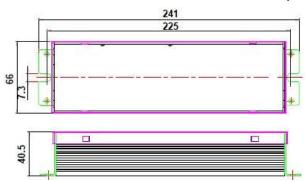
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

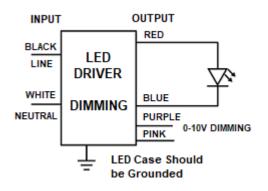
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	43 to 71V	2.8A	NCF2800C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	0-10V Dimmer						
Colour		Compatibility Chart							
Black	6	15.2							
White	6	15.2		NFTV			DS710-10Z		
Blue	6	15.2	DV	DVTV-WH					
Red	6	15.2	Ca	ise Si	ize S	erie	s FS5		
Pink	7.1	18	L	W	H		ML		
	1.1	10	241	66	40.	5 1	226mm		
Purple	7.1	18	9.5	2.6	1.6		8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Dage Lighting ltd.

### 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 30V to 50V Constant Current 3000mA Max 150W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 30V to 50V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

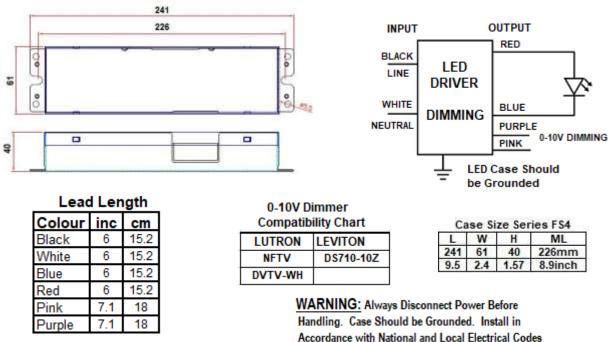
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	30 to 50V	3.0A	NCF3000C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### 347V-480V LED DRIVER 200W 0-10V Dimming Output Range 40V to 67V Constant Current 3000mA Max 200W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 40V to 67V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

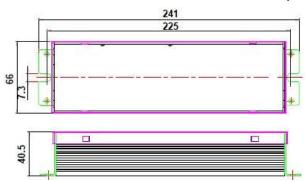
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

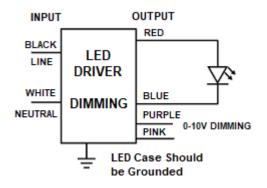
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	40 to 67V	3.0A	NCF3000C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	0-10V Dimmer				
Colour	-	Compatibility Chart					
Black	6	15.2		LUTRON NFTV			
White	6	15.2	-			DS710-10Z	
Blue	6	15.2	DVI	V-W	1		
Red	6	15.2	Ca	ise Si	ize S	eries FS5	
Pink	7.1	18	241	W 66	H 40.4	ML 5 226mm	
Purple	7.1	18	9.5	2.6	1.6		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Dage Lighting ltd.

### 347V-480V LED DRIVER 150W 0-10V Dimming Output Range 26V to 43V Constant Current 3500mA Max 150W

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 26V to 43V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full Loo	ad: 18AWG -18 ft

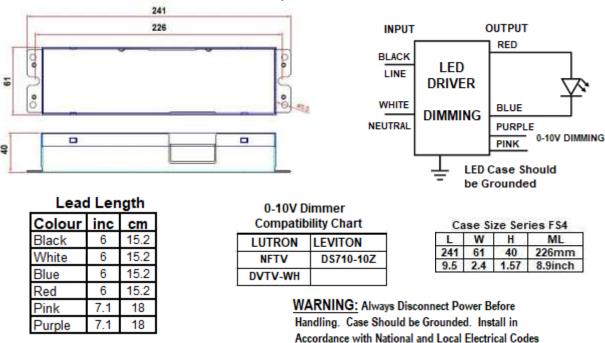
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.48A – 0.34A	167	150	26 to 43V	3.5A	NCF3500C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### **347V-480V LED DRIVER 200W 0-10V Dimming** Output Range 34V to 57V Constant Current **3500mA** Max **200W**

347V-480V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 34V to 57V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

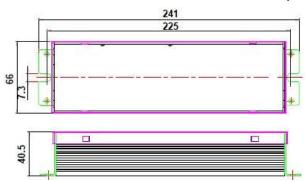
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

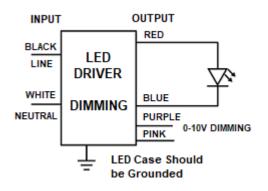
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347-480V	0.64A – 0.46A	222	200	34 to 57V	3.5A	NCF3500C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	0-10V Dimmer				
Colour	Compatibility Chart						
Black	6	15.2		TRON	-	EVITON	
White	6	15.2		FTV	_	DS710-10Z	
Blue	6	15.2	DV	IN-M	1		
Red	6	15.2	Ca	nse Si	ize Se	eries FS5	
Pink	7.1	18	L	W	H	ML	
	1.1		241	66	40.5	226mm	
Purple	7.1	18	9.5	2.6	1.6	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Dage Lighting ltd.

### LED DRIVER CCT & Brightness Control 18W

Output 22V to 36V Constant Current 500mA Max 18W 0-10V Dimming For use with 2 Dimmers

Universal Voltage Input 120-277V Electronic Dual Channel 0-10V Dimming Constant Current 500mA LED Driver. Output Range of 22V to 36V. 18W maximum for Colour control application.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 82% 2 Channel Dimming Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Output Open/Short ProtectionRemote Wiring Distance Full Load:18AWG -18 ft

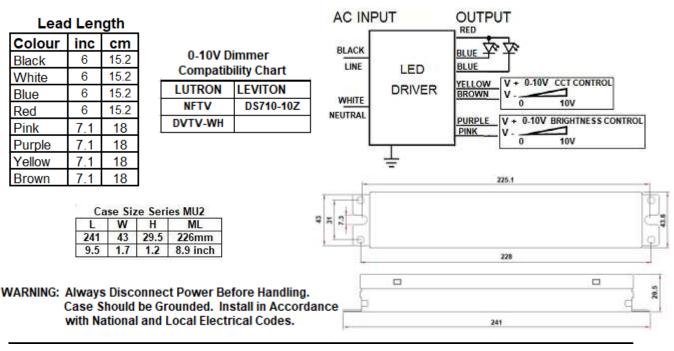
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
120	0.19	22	22 10	0.54	22  to  26  //	NU500C18WD-CB
277	0.09	22	18	0.5A	22 to 36V	NUSUUC IOWD-CB

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### LED DRIVER CCT & Brightness Control 23W

Output 23V to 39V Constant Current 1400mA Max 23W 0-10V Dimming For use with 2 Dimmers with Side Leads

Universal Voltage Input 120-277V Electronic Dual Channel 0-10V Dimming Constant Current 1400mA LED Driver. Output Range of 23V to 39V. 23W maximum for Colour control application.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% 2 Channel Dimming Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Output Open/Short ProtectionRemote Wiring Distance Full Load:18AWG -18 ft

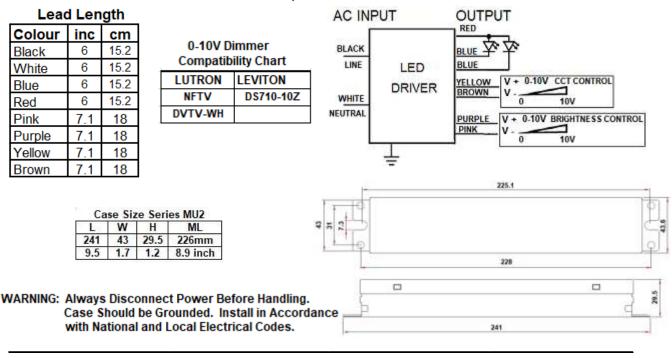
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
120	0.30	07	27 22	0.64	22  to  20  //	NU600C23WD-CB
277	0.13	27	23	0.6A	23 to 39V	NU000C23WD-CB

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### LED DRIVER CCT & Brightness Control 25W

Output 22V to 36V Constant Current 700mA Max 25W 0-10V Dimming For use with 2 Dimmers

Universal Voltage Input 120-277V Electronic Dual Channel 0-10V Dimming Constant Current 700mA LED Driver. Output Range of 22V to 36V. 25W maximum for Colour control application.

### **Technical Specification:**

UL, CUL Listed, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% 2 Channel Dimming Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Output Open/Short ProtectionRemote Wiring Distance Full Load:18AWG -18 ft

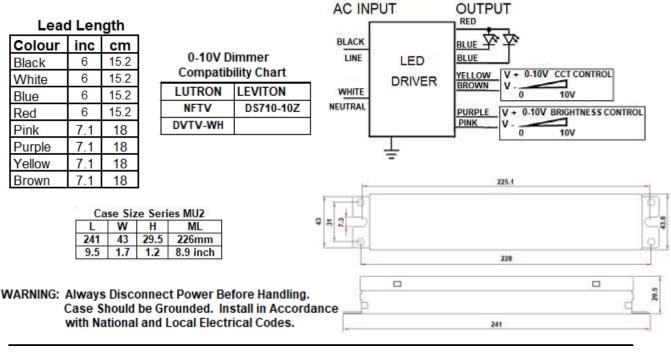
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
120	0.26	20	20 25	0.7A	22 to 261/	NU700C25WD-CB
277	0.12	30	25	0.7A	22 to 36V	N0700C25WD-CB

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



age aghting ltd.

### LED DRIVER CCT & Brightness Control 50W

Output 22V to 36V Constant Current 1400mA Max 50W 0-10V Dimming For use with 2 Dimmers

Universal Voltage Input 120-277V Electronic Dual Channel 0-10V Dimming Constant Current 1400mA LED Driver. Output Range of 22V to 36V. 50W maximum for Colour control application.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% 2 Channel Dimming Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Output Open/Short ProtectionRemote Wiring Distance Full Load:18AWG-18 ft

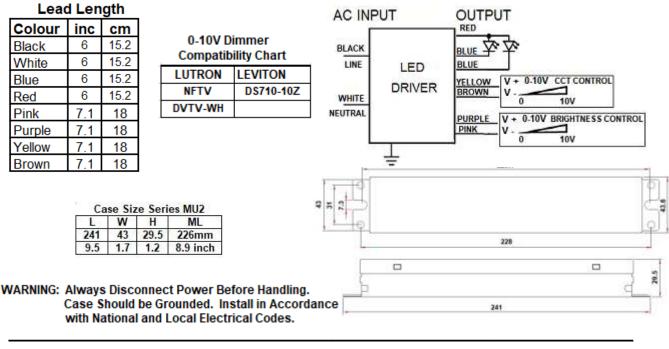
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
120	0.26	59	50	1.4A	22 to 36V	NU1400C50WD-CB
277	0.12	- 59	50	1.4A	22 10 30 V	NO 1400C30WD-CB

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### LED DRIVER CCT & Brightness Control 60W

Output 26V to 43V Constant Current 1400mA Max 60W 0-10V Dimming For use with 2 Dimmers

Universal Voltage Input 120-277V Electronic Dual Channel 0-10V Dimming Constant Current 1400mA LED Driver. Output Range of 26V to 43V. 60W maximum for Colour control application.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Parts 18, Subparts C, Class A Rating: IP 65 Damp, Dry Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% 2 Channel Dimming

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
<b>Output Open/Short Protection</b>	1 IIII
Remote Wiring Distance Full Load	l: 18AWG -18 ft

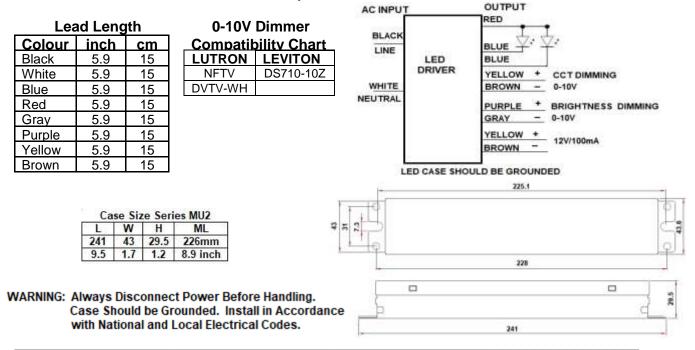
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
120	0.60	71	60	1.4A	26 to 121/	NU1400C60WD-CB
277	0.26	71	60	1.4A	26 to 43V	N01400C00WD-CB

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### LED DRIVER CCT & Brightness Control 34W 0-10V Dimming Output 27V to 45V Selectable Multi Current 450mA to 750mA Max 34W

For use with Selectable DIP Switch

Multi Voltage Input 120-347V Electronic 0-10V Dimming **Selectable** Multi Current Range 450mA to 750mA LED Driver. Output Range of 27V to 45V. 34W maximum with DIP Switch for Colour control application.

### **Technical Specification:**

Class 2 UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 30 Damp, Dry Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% DIP Switch Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Output Open/Short ProtectionRemote Wiring Distance Full Load: 18AWG -18 ft

Case Size: Series EM1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

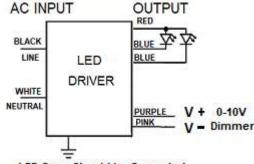
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.20A - 0.07A	24	20		0.45A	82	
120V-347V	0.28A - 0.09A	33	27	27 to 45V	0.60A	83	NM750D3C34WD-CB
	0.60 - 0.20A	40	34		0.75A	85	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Switch Position	Output Current
S1 100% Channel 2	750mA
S2 50% Channel 1&2	600mA
S3 100% Channel 1	450mA

				Ca	ase Si	ze Seri	es EM1
Lead	d Len	ath	[	L	W	H	ML
	_	-	ı [	304	43	30.5	289mm
Colour	Inc	cm		11.97	1.7	1.2	11.38inch
Black	6	15.2					
White	6	15.2		0	)-10V	Dimm	er
Blue	6	15.2		-		tibility	
Red	6	15.2		LU	TRON	LEV	/ITON
Pink	7.1	18			FTV	_	5710-10Z
Purple	7.1	18		DVT	V-WH	_	



LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**P**age Lighting ltd.

### LED DRIVER CCT & Brightness Control 60W 0-10V Dimming Output 26V to 43V Selectable Multi Current 1000mA to 1400mA Max 60W For use with Selectable DIP Switch

Multi Voltage Input 120-347V Electronic 0-10V Dimming **Selectable** Multi Current LED Driver. Output Range of 26V to 43V. 60W maximum with DIP Switch for Colour control application.

### **Technical Specification:**

Class 2 UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 30 Damp, Dry Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87% DIP Switch

Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Output Open/Short ProtectionRemote Wiring Distance Full Load:18AWG -18 ft

### Case Size: Series EM1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

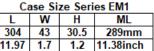
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.43A - 0.15A	51	43		1.0A	84	
120V-347V	0.51A - 0.17A	61	52	26 to 43V	1.2A	85	NM1400D3C60WD-CB
	0.60 - 0.20A	69	60		1.4A	87	

LIMITED WARRANTY

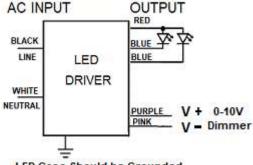
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Switch Position	Output Current
S1 100% Channel 2	1400mA
S2 50% Channel 1&2	1200mA
S3 100% Channel 1	1000mA

Lead	l Len	igth	
Colour	inc	cm	30
Black	6	15.2	
White	6	15.2	
Blue	6	15.2	
Red	6	15.2	
Pink	7.1	18	
Purple	7.1	18	



0-10V Di Compatibi	
LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	



LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Sage

## **347V**

## Dimmable & Non-Dimmable Selectable Multi Current LED Drivers

Sage offers the largest selection of 347V LED Drivers including a variety of Custom drivers with multiple Form factor and output values designed for a select group of OEM Fixture manufactures. These drivers provide flexibility for the Fixture Manufacturers to design and offer wide range of luminaires for the Canadian Market.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-selected custom output current option is available to facilitate large production needs.

Output Current: from 1050mA to 2100mA

### 347V LED DRIVER 67W 0-10V Dimming

Output Range 28V to 48V Selectable Multi Current 700mA to 1400mA Max 67W

347V Electronic **Selectable** Multi Current Range 700mA to1400mA LED Driver 0-10V Dimming. Output Range of 28V to 48V for Single Output circuit 67W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

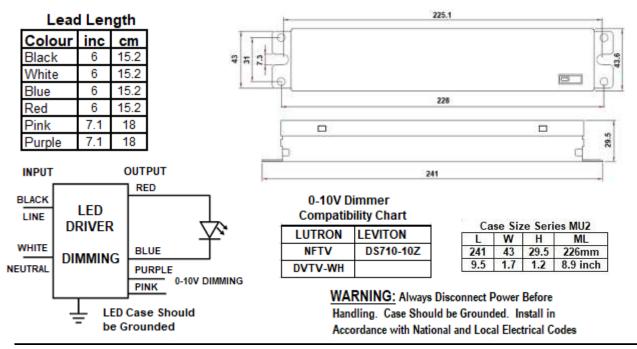
### Case Size: Series MU2

INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	33	0.11A	39		0.7A	84	
347V	50	0.17A	58	28 to 48V	1.05A	85	NC1400D3C67WSD
	67	0.28A	77		1.4A	87	

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Pighting ltd.

### 347V LED DRIVER 40W Selectable Multi Current

Output Range 22V to 38V Selectable Multi Current  ${\bf 500mA}$  to  ${\bf 1050mA}$  Max  ${\bf 40W}$  Slim Case with Leads

347V Electronic **Selectable** Multi Current 500mA to 1050mA LED Driver. Output Range between 22V to 38V for Single Output circuit 40W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 64 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C

Input Voltage range:±5%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:>0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/5/23

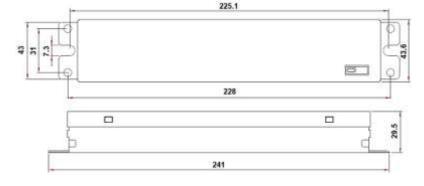
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.07	23	19		0.5A	81	
347	0.09	31	26	22 to 38V	0.7A	82	NC1050D3C40WS
	0.14	48	40		1.05A	83	

#### LIMITED WARRANTY

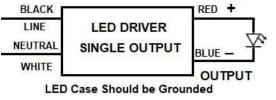
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length			
Colour	inch	cm	
Black	6	15.2	
White	6	15.2	
Blue	6	15.2	
Red	6	15.2	

L	W	H	ML
241	43	29.5	226mm
9.5	1.7	1.2	8.9 inch



INPUT



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



### 347V LED DRIVER 60W Selectable Multi Current

Output Range 30V to 43V Selectable Multi Current 700mA to 1400mA Max 60W

347V Electronic **Selectable** Multi Current 700mA to1400mA LED Driver. Output Range between 30V to 43V for Single Output circuit 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 5%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 64 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	>0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	Id: 18AWG -18 ft

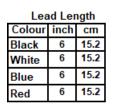
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

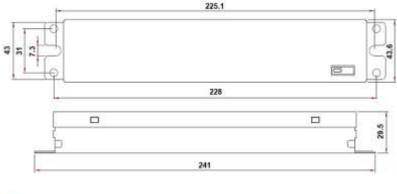
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.19	37	30		0.7A	85	
347	0.23	55	45	30 to 43V	1.05A	86	NC1400D3C60WS
	0.28	68	60		1.4A	88	

#### LIMITED WARRANTY

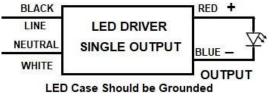
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



L W		Н	ML
1	43	29.5	226mm
5	1.7	1.2	8.9 inch







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



### 347V LED DRIVER 84W Selectable Multi Current

Output Range 24V to 40V Selectable Multi Current 1400mA to 2100mA Max 84W

347V Electronic **Selectable** Multi Current 1.4A to 2.1A LED Driver. Output Range between 24V to 40V for Single Output circuit 84W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 5%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 64 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	>0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Load	l: 18AWG -18 ft

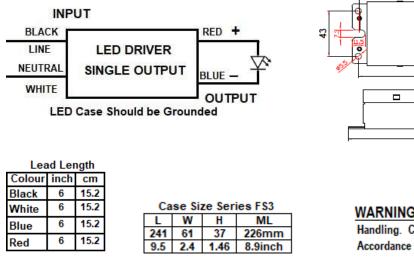
### Case Size: Series FS3

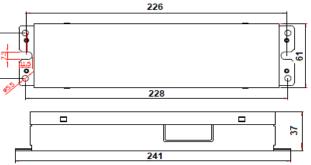
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.19	65	56		1.4A	86	
347	0.23	80	70	24 to 40V	1.75A	87	NC2100D3C84WS
	0.28	95	84		2.1A	88	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Sage

# 120-277V Dimmable Selectable Multi Current LED Drivers

Sage 120 to 277V LED Drivers include a wide variety of Custom drivers with multiple Form factor and output values designed for a select group of OEM Fixture manufactures. These drivers provide flexibility for the Fixture Manufacturers to offer wide range of luminaires for the ever changing market needs and light engine supplies.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-selected custom output current option is available to facilitate large production needs.

Output Current: from 450mA to 3000mA

### LED DRIVER 60W 0-10V Dimming

Output Range 93V to 133V Selectable Multi Current 350mA to 450mA Max 60W

Universal Voltage 120-277V Electronic **Selectable** Multi Current 350mA to 450mA LED Driver 0-10V Dimming. Output Range of 93V to 133V for Single circuit 60W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C

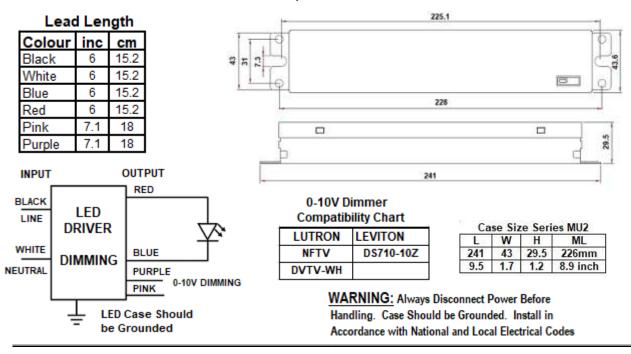
Input Voltage range:	<u>+</u> 10%				
Output Load range	<u>+</u> 5%				
Input Frequency:	50/60HZ				
THD:	< 20%				
Power Factor Min:	0.90				
Remote Wiring Distance Full Load: 18AWG -18 ft					

### Case Size: Series MU2

Due to continuing							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
120V-277V	0.45A – 0.19A	54	46	93 to 133V	0.35A	87	NU450D2C60WSDIM
120V-277V	0.61A – 0.26A	68	60		0.45A	89	N0450D2C60W3DIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**D**ighting ltd.

### LED DRIVER 20W 0-10V Dimming

Output Range 24V to 40V Selectable Multi Current 350mA to 500mA Max 20W

Universal Voltage 120-277V Electronic Selectable Multi Current 350mA to 500mA LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 20W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp:

Input Voltage range: +10% **Output Load range** + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.95 Remote Wiring Distance Full Load: 18AWG -18 ft

### Case Size: Series C1U

INPUT VOLTAGE	INPUT POWER WATTS MAX	INPUT CURRENT	OUTPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
120V-277V	17	0.15A - 0.06A	14	24 to 40V	0.35A	85	
120V-277V	19	0.16A - 0.07A	16	24 to 40V	0.40A	85	NU500D4C20WSD
120V-277V	21	0.18A - 0.08A	18	24 to 40V	0.45A	83	N0500D4C20W5D
120V-277V	23.5	0.27A - 0.11A	20	24 to 40V	0.50A	82	

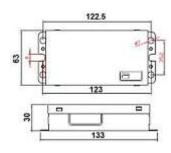
Due to continuing efforts to offer improved products all specifications are subject to change without prior police

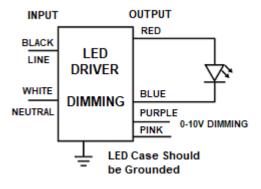
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage. installation, use, and maintenance and conformance with any recommendations of Manufacturer

ML

Lead Length							
Colour	inc	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Pink	7.1	18					
Purple	7.1	18					





#### 0-10V Dimmer Compatibility Chart Case Size Series C1U LUTRON LEVITON W Н . DS710-10Z NFTV 133 63 30 123mm 5.23 2.48 1.18 4.84inch DVTV-WH

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



### LED DRIVER 42W 0-10V Dimming

Output Range 48V to 80V Selectable Multi Current 350mA to 520mA Max 42W

Universal Voltage 120-277V Electronic **Selectable** Multi Current 350mA to 520mA LED Driver 0-10V Dimming. Output Range of 48V to 80V for Single circuit 42W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG - 18 ft

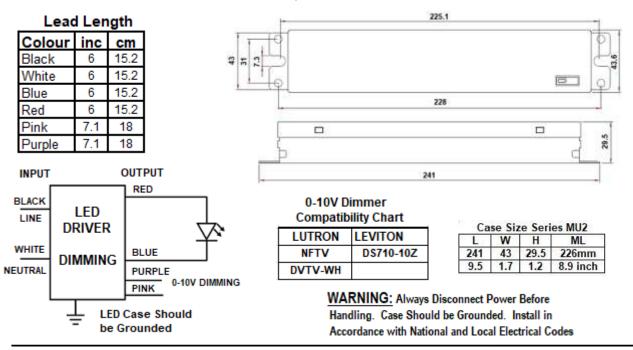
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT POWER WATTS MAX	INPUT CURRENT	OUTPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
1001/0771/	34	0.28A - 0.13A	28	40.4- 001/	0.35A	84	
120V-277V	49	0.60A - 0.26A	42	48 to 80V	0.52A	86	NU520D2C42WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### LED DRIVER 25W 0-10V Dimming

Output Range 25V to 41V Selectable Multi Current 310mA to 620mA Max 25W

Universal Voltage 120-277V Electronic Selectable Multi Current 310mA to 620mA LED Driver 0-10V Dimming. Output Range between 25V to 41V for Single Output circuit 25W maximum.

### **Technical Specification:**

**Class 2 CUL Recognized, ROHS Compliant** EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C

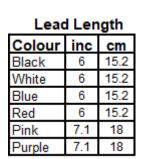
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	>0.90
<b>Remote Wiring Distance Full</b>	Load: 18AWG -18 ft

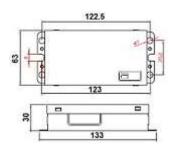
### Case Size: Series C1U

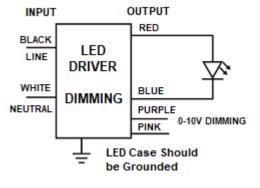
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 26/6/17								
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL	
	13	0.14A - 0.06A	17		0.31A	76		
120V-277V	21	0.23A - 0.1A	28	25 to 41V	0.5A	77	NU620D3C25WSDIM	
	25	0.27A - 0.11A	32		0.62A	79		

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







### 0-10V Dimmer Compatibility Chart

	,	C 2	ise Siz	e Seri	es C1U
LUTRON	LEVITON	L	W	Н	ML
NFTV	D\$710-10Z	133	63	30	123mm
DVTV-WH		5.23	2.48	1.18	4.84inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



### LED DRIVER 33W 0-10V Dimming

Output Range 28V to 48V Selectable Multi Current 350mA to 700mA Max 33W

Universal Voltage 120-277V Electronic **Selectable** Multi Current Range 350mA to 700 mA LED Driver 0-10V Dimming. Output Range of 28V to 48V for Single circuit 33W maximum.

### **Technical Specification:**

Class 2 CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

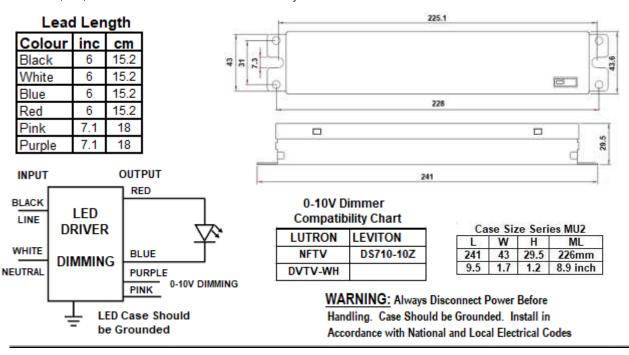
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice r			
	Due to continuing efforts to offer im	proved products all energifications are	subject to change without prior potice r
		proved products all specifications are	subject to change without phot house i

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
120V-277V	0.1A - 0.21A	20	17	28 to 48V	0.35A	84	NU700D2C33WSD
1200-2770	0.19A - 0.44A	38	33	20 10 40 V	0.7A	86	NU700D2C33W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### LED DRIVER 42W 0-10V Dimming

Output Range 36V to 60V Selectable Multi Current 350mA to 700mA Max 42W

Universal Voltage 120-277V Electronic Selectable Multi Current Range 350mA to 700 mA LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 42W maximum.

### **Technical Specification:**

Class 2 UL, CUL LVLE, ROHS Compliant	Input V
EMI FCC Part 15, Class A	Output
Rating: IP 64 Damp, Dry	Input F
Output Open/Short Protection	THD:
Min. Starting Temp: - 40° C	Power I
Max. Case Temp: 90° C	Remote

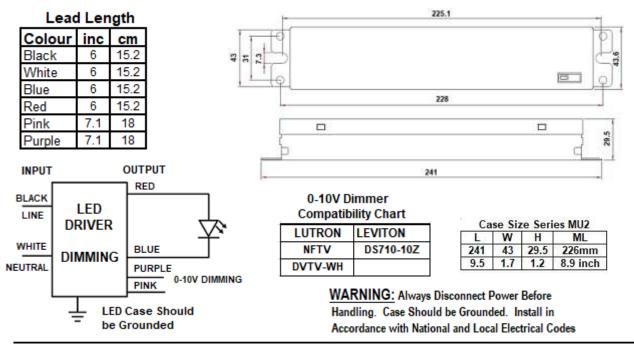
loltage range: + 10% t Load range + 5% requency: 50/60HZ < 20% Factor Min: 0.90 Wiring Distance Full Load: 18AWG -18 ft

#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice r 2/2/17										
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL			
120V-277V	0.22A - 0.09A	26	21	36V - 60V	0.35A	87				
120V-277V	0.25A - 0.11A	30	24	36V - 60V	0.41A	87	NU700D4C42WRSDIM			
120V-277V	0.33A - 0.14A	38	31	36V - 60V	0.53A	87				
120V-277V	0.4A - 0.175A	47	42	36V - 60V	0.7A	89				

#### I IMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lighting ltd.

### LED DRIVER 60W 0-10V Dimming

Output Range 52V to 86V Selectable Multi Current 350mA to 700mA Max 60W

Universal Voltage 120-277V Electronic Selectable Multi Current 350mA to 700mA LED Driver 0-10V Dimming. Output Range of 52V to 86V for Single circuit 60W maximum.

### **Technical Specification:**

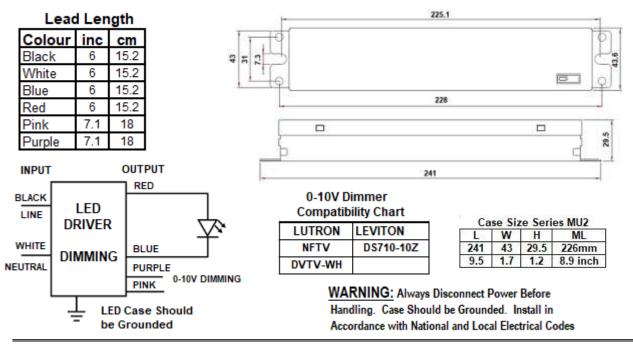
UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 64 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft

### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 3/9/22										
INPUT VOLTAGE	INPUT POWER WATTS MAX	INPUT CURRENT	OUTPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL			
120V-277V	36	0.30A - 0.13A	30	52 to 86V	0.35A	85				
120V-277V	45	0.35A - 0.15A	39	52 to 86V	0.45A	86	NU700D4C60WSDIM			
120V-277V	56	0.42A - 0.18A	47	52 to 86V	0.55A	87				
120V-277V	68	0.60A - 0.25A	60	52 to 86V	0.70A	88				

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### LED DRIVER 75W 0-10V Dimming

Output Range 64V to 107V Selectable Multi Current 350mA to 700mA Max 75W

Universal Voltage 120-277V Electronic **Selectable** Multi Current Range 350mA to 700mA LED Driver 0-10V Dimming. Output Range of 64V to 107V for Single Output circuit 75W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant	
EMI FCC Part 15, Class A	
Rating: IP 64 Damp, Dry	
Output Open/Short Protection	
Min. Starting Temp: - 40° C	
Max. Case Temp: 90° C	

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full I	_oad: 18AWG -18 ft

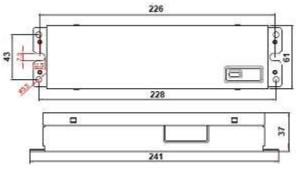
### Case Size: Series FS3

Dι	ue to continuing e	forts to offer imp	roved products al	1 specifica	ations are su	bject to change wi	thout prior notice	

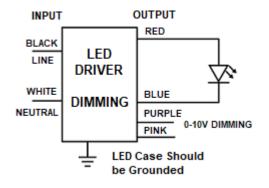
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
120V-277V	37	0.37A – 0.16A	44	64 to 107V	0.35A	85	
120V-277V	59	0.58A – 0.25A	69	64 to 107V	0.55A	86	NU700D3C75WSD
120V-277V	75	0.68A – 0.3A	85	64 to 107V	0.7A	88	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



					0-10V Dimmer				
Lead Length					tibilit	y Chart			
inc	cm		LUTRON		I LE	LEVITON			
6	15.2		NFTV			DS710-10Z			
6	15.2		DVTV-WH						
6	15.2								
6	15.2		Case Size Series FS3						
71	18		L	W	H	ML			
1.1			241	61	37	226mm			
7.1	18		9.5	2.4	1.46	8.9inch			
	6 6	inc cm 6 15.2 6 15.2 6 15.2 6 15.2 6 15.2	inc         cm           6         15.2           6         15.2           6         15.2           6         15.2           7.1         18	Length         Column           inc         cm         LU           6         15.2         N           6         15.2         DV           6         15.2         L           6         15.2         L           6         15.2         L           7.1         18         L	Length         Compa           inc         cm         LUTRON           6         15.2         NFTV           6         15.2         DVTV-With           6         15.2         Case Sith           6         15.2         L           6         15.2         L           7.1         18         241	Length         Compatibility           inc         cm         LUTRON         Lutron           6         15.2         NFTV         I           6         15.2         DVTV-WH         I           6         15.2         Case Size Se         L           7.1         18         241         61         37			



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 150W 0-10V Dimming

Output Range 128V to 214V Selectable Multi Current 350mA to 700mA Max 150W

Universal Voltage 120-277V Electronic **Selectable** Multi Current Range 350mA to 700mA LED Driver 0-10V Dimming. Output Range of 128V to 214V for Single circuit 150W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Input Voltage range: $\pm$  10%Output Load range $\pm$  5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Mounting Distance:18AWG -18 ft

### Case Size: Series FS5

Due to continuing	ue to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/3/18										
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT VOLTAGE	OUTPUT POWER WATTS MAX	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL				
	83	0.71A - 0.31A		74	0.35A	89					
120V-277V	125	1.1A - 0.47A	128 to 214V	113	0.53A	90	NU700D3C150WSDIM				
	165	1.45A - 0.64A		150	0.7A	91					

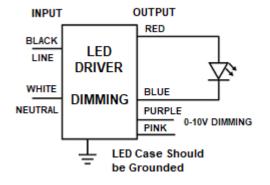
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Lead	l Ler	igth	0-10V Dimmer Compatibility Chart					
Colour	inc	cm	LUTRON			LEVITON		
Black	6	15.2	NFTV			DS710-10Z		
White	6	15.2	DVTV-WH					
Blue	6	15.2	8555				000000000000	
Red	6	15.2	Case Size Se				ies FS5	
Pink	7.1	18	L	W	H		ML	
PINK	1.1	10	241	66	40.	5	226mm	
Purple	7.1	18	9.5	2.6	1.6	6	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 34W 0-10V Dimming

Output Range 22V to 38V Selectable Multi Current **500mA to 900mA** Max 34W Small Case Size with leads

Universal Voltage 120-277V Electronic **Selectable** Multi Current 500mA to 900mA LED Driver 0-10V Dimming. Output Range of 22V to 38V for Single circuit 34W maximum.

### **Technical Specification:**

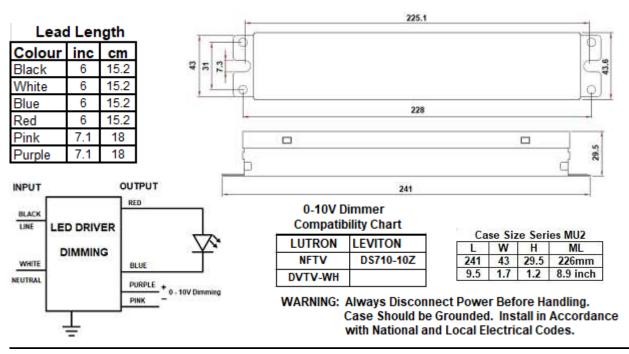
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series MU2

Due to continuing	the to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/9/15											
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL					
120 - 277	19	0.19A – 0.08A	23		0.5A	84						
120 - 277	26	0.26A - 0.11A	31	22 to 38V	0.7A	85	NU900D3C34WRSDIM					
120 - 277	34	0.40A – 0.17A	41		0.9A	86						

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER Single Output Circuit 0-10V Dimming

Output Range 29V to 48V **Selectable** Multi Current 500mA to 1000mA Max 48W Small Case with Leads

Universal Voltage 120-277V Electronic **Selectable** Multi Current LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 48W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 64 Damp, Dry	THD:	< 20%
Output Open/Short Protection	Input Frequency:	50/60HZ
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Lo	ad: 18AWG - 18 ft

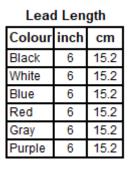
### Case Size: Series C4S

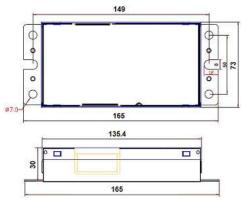
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

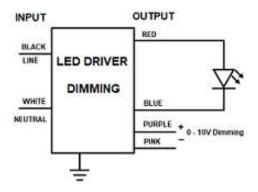
,	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
1	20V-277V	0.24A - 0.1A	28	24	29 to 48V	0.5A	85	NU1000D2C48WSD
1	20V-277V	0.50A - 0.22A	56	48	29 to 48V	1.0A	86	N01000D2C48WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







#### 0-10V Dimmer Compatibility Chart

· ·	-					
LUTRON	LEVITON		Cas	se Size	e Serie	es C4S
NET I	0.0740.407		L	w	Н	ML
NFTV	DS710-10Z	1	165	73	30	149mm
		1 .	105	15	50	14311111
DVTV-WH			6.5	2.87	1.18	5.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 107W 0-10V Dimming

Output Range 64V to 107V Selectable Multi Current 500mA to 1000mA Max 107W

Universal Voltage 120-277V Electronic Selectable Multi Current 500mA to 1000mA LED Driver 0-10V Dimming. Output Range of 64V to 107V for Single circuit 107W maximum.

### **Technical Specification:**

**UL, CUL Recognized, ROHS Compliant** EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp:

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG -18 ft

### Case Size: Series FS5

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.25A - 0.57A	68	54		0.5A	80	- NU1000D4C107WSD
120V-277V	0.82A - 0.36A	98	80	64 to 107V	0.75A	82	
1200-2770	0.93A - 0.40A	111	93.6	04 l0 107 V	0.875A	84	
	1.45A - 0.36A	125	107		1.0A	86	

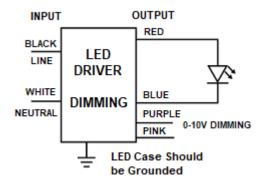
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





	d Ler	-		0-10V Dimmer Compatibility Chart					
Colour	inc	cm	1	LUTRON LE			LEVITON		
Black	6	15.2		NF	TV	DS	DS710-10Z		
White	6	15.2		DVT	V-WH				
Blue	6	15.2	1	823	1.535024		1000000000		
Red	6	15.2		Ca	ase Si	ze Ser	ies FS5		
	0			L	W	H	ML		
Pink	7.1	18		241	66	40.5	226mm		
Purple	7.1	18		9.5	2.6	1.6	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 60W 0-10V Dimming

Output Range 37V to 57V Selectable Multi Current 500mA to 1050mA Max 60W

Universal Voltage 120-277V Electronic **Selectable** Multi Current 500mA to 1050mA LED Driver 0-10V Dimming. Output Range of 37V to 57V for Single circuit 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL LVLE, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 64 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C

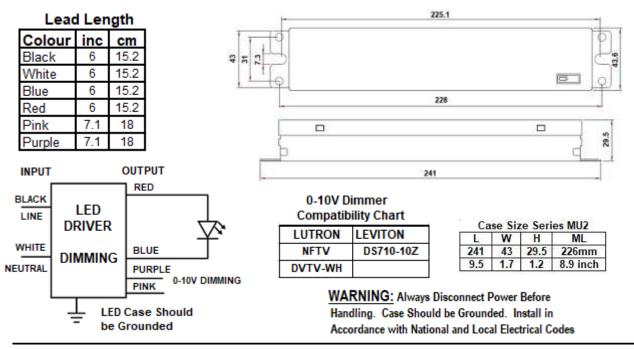
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full L	oad: 18AWG -18 ft

### Case Size: Series MU2

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/1/15										
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL				
120 - 277	29	0.3A – 0.13A	35		0.50A	87					
120 - 277	40	0.41A - 0.18A	49	37 to 57V	0.70A	88	NU1050D3C60WSDIM				
120 - 277	60	0.6A – 0.26A	68		1.05A	89					

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 112W 0-10V Dimming

# Output Range 64V to 107V Selectable Multi Current 500mA to 1050mA Max 112W

Universal Voltage 120-277V Electronic Selectable Multi Current 500mA to 1050mA LED Driver 0-10V Dimming. Output Range of 64V to 107V for Single circuit 112W maximum.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	ull Load: 18AWG -18 ft

### **Case Size: Series FS5**

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.25A - 0.57A	68	54	64 to 107V	0.5A	80	
120V-277V	0.82A - 0.36A	98	80		0.75A	82	NU1050D4C112WSD
1200-2770	0.93A - 0.40A	111	93.6		0.875A	84	N01050D4C112W3D
	1.45A - 0.36A	130	112		1.05A	86	

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	0-10V Dimmer Compatibility Chart							
Colour	inc	cm		LUTRON		LUTRON LEVITON		/ITON
Black	6	15.2		NFTV			DS710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2		823		ener	132	10000000
Red	6	15.2		Ca	ise Si	ize :	Ser	ies FS5
	_			L	W	H	1	ML
Pink	7.1	18		241	66	40	.5	226mm
Purple	7.1	18		9.5	2.6	1.	6	8.9inch

OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 52W 0-10V Dimming

Output Range 25V to 42V Selectable Multi Current 620mA to 1200mA Max 52W

Universal Voltage 120-277V Electronic Selectable Multi Current Range 0.62A to 1.24A LED Driver. 0-10V Dimming. Output Range of 25V to 42V for Single circuit 52W maximum.

### **Technical Specification:**

26

43

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%	
Rating: IP 64 Damp, Dry	Input Frequency: 50/60H		
Output Open/Short Protection	THD:	< 20%	
Min. Starting Temp: - 40° C	Power Factor Min:	0.90	
Max. Case Temp: 90° C	Remote Wiring Distance Full Lo	oad: 18AWG -18 ft	

### Case Size: Series MU2

MODEL

NU1240D3C52WSD

Due to continuing	efforts to offer in	nproved products all sp	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice										
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %							

34

55

65

0.28A - 0.12A

0.46A - 0.2A

0.54 - 0.24A

52

120V-277V

LIMITED WARRANTY 5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

25 to 42V

0.62A

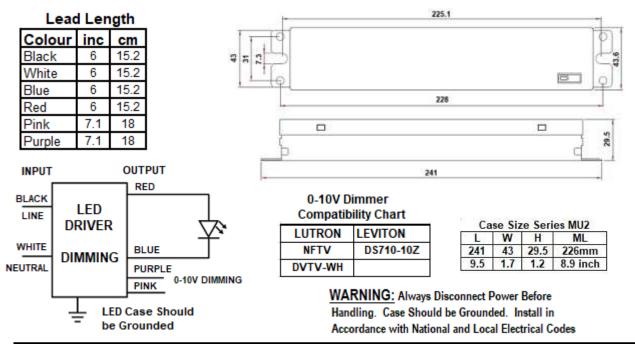
1.02A

1.24A

78

79

80



 $\dot{Z}^{age}_{ighting \, ltd.}$ 

# LED DRIVER 76W 0-10V Dimming

Output Range 25V to 42V Selectable Multi Current 900mA to 1800mA Max 76W

Universal Voltage 120-277V Electronic **Selectable** Multi Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 76W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%		
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%		
Rating: IP 64 Damp, Dry	Input Frequency:	50/60HZ		
Output Open/Short Protection	THD:	< 20%		
Min. Starting Temp: - 40° C	Power Factor Min:	0.90		
Max. Case Temp: 90° C	Remote Wiring Distance Full Load: 18AW			

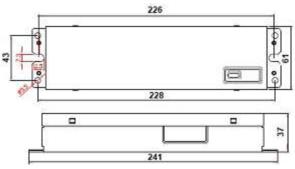
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

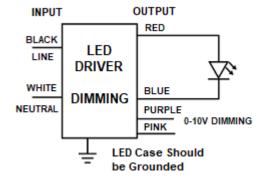
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
	0.55A - 0.24A	44	38		0.9A	85	
120V-277V	0.68A - 0.29A	65	56	25 to 42V	1.34A	86	NU1800D3C76WSD
	0.79A - 0.3A	86	76		1.8A	88	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



							ner	
Lead Length				Compatibility Chart				
Colour	inc	cm		LUTRON		LUTRON LEVITON		VITON
Black	6	15.2		NFTV		D	S710-10Z	
White	6	15.2		DV	IN-N	1		
Blue	6	15.2						
Red	6	15.2		Ca		ze Sei	ries FS3	
Dink	71			L		н	ML	
	1.1	10		241	61	37	226mm	
Purple	7.1	18		9.5	2.4	1.46	8.9inch	
Blue Red Pink	-	15.2 15.2 18		L 241	W 61	H 37	2	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 60W 0-10V Dimming

Output Range 16V to 24V Selectable Multi Current 1700mA to 2500mA Max 60W

Universal Voltage 120-277V Electronic Selectable Multi Current 1.7A to 2.5A LED Driver 0-10V Dimming. Output Range of 16V to 24V for Single circuit 60W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 64 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full I	_oad: 18AWG -18 ft

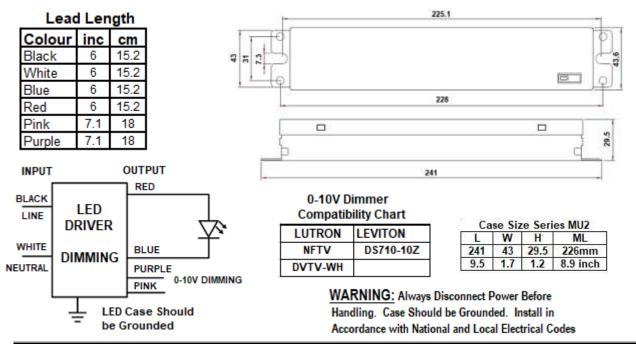
### Case Size: Series MU2

INPUT VOLTAGE	INPUT POWER WATTS MAX	INPUT CURRENT	OUTPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	TYPICAL EFFICIENCY %	MODEL
120V-277V	50	0.42A - 0.18A	41		1.7A	82	
120V-277V	58	0.48A - 0.21A	48	10 to 041/	2.0A	83	NU2500D4C60WSDIM
120V-277V	65	0.54A - 0.23A	55	16 to 24V	2.3A	84	N02500D4C60W3DIW
120V-277V	71	0.60A - 0.26A	60		2.5A	85	

Due to continuing efforts to offer improved products all specifications are subject to change without prior police 3/2/21

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# Sage

# **347V**

# Dimmable & Non-Dimmable Multi Channel LED Drivers

Sage 347V Dimmable Multi Channel LED Drivers include a wide variety of Custom drivers with multiple Form factor and output values designed for a select group of OEM Fixture manufactures. These drivers provide flexibility for the Fixture Manufacturers to design and offer wide range of luminaires for the Canadian Market.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 350mA to 700mA

# **347V LED DRIVER Dual Channel 30W 0-10V Dimming** Output 20V to 33V Dual Channel Constant Current **450mA** Max **30W**

347V Electronic (2 x 15W) Dual Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 20V to 33V. 30W maximum.

### **Technical Specification:**

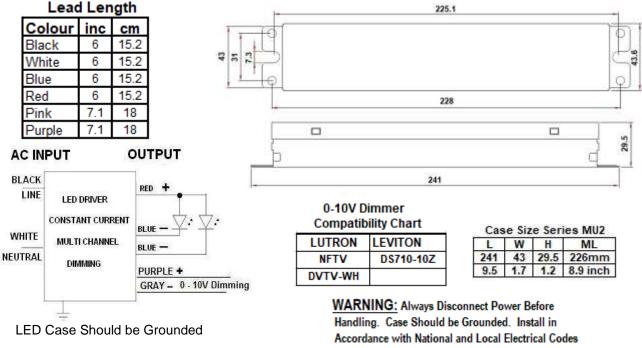
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	oad: 18AWG -18 ft
Typical Efficiency: 83%	2 Channel Output	

### Case Size: Series MU2

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 3/12/19								
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL			
347	0.11	36	30	0.45A	20 to 33V	NC450C15WDLDIM			

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# **347V LED DRIVER Dual Channel 36W 0-10V Dimming** Output 24V to 40V Dual Channel Constant Current **450mA** Max **36W**

347V Electronic (2 x 18W) Dual Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 24V to 40V. 36W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -
Typical Efficiency:	82%		
2 Channel Output			

### Case Size: Series MU2

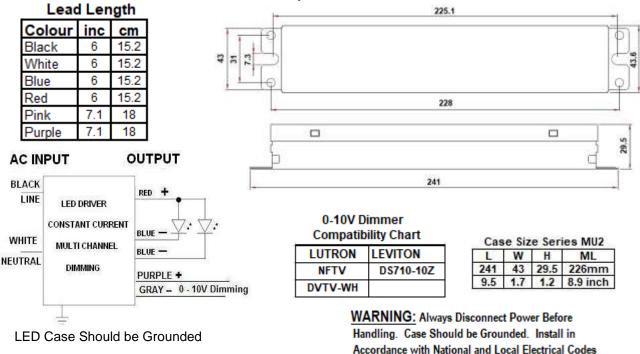
-18 ft

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
347	0.11	44	36	0.45A	24 to 40V	NC450C18WDLDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Sage ⊿ighting ltd.

# **347V LED DRIVER Dual Channel 30W 0-10V Dimming** Output 20V to 33V Dual Channel Constant Current 450mA Max **30W**

347V Electronic (2 x 15W) Dual Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 20V to 33V. 30W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltag
EMI FCC Part 15, C	Class A	Output Load
Rating: IP 65 Damp,	Dry	Input Freque
Output Open/Short F	Protection	THD:
Min. Starting Temp:	- 40° C	Power Facto
Max. Case Temp:	90° C	Remote Wirin
Typical Efficiency:	83%	2 Channel O

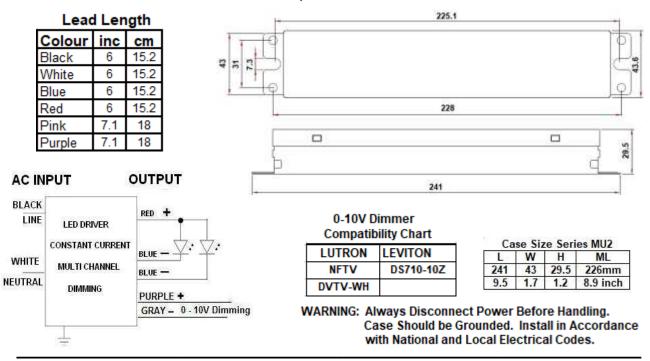
Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG2 Channel Output

### Case Size: Series MU2

Due to continuing e	efforts to offer impre	3/12/19				
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
347	0.11	36	30	0.45A	20 to 33V	NC450C15WDLDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# **347V LED DRIVER Multi Channel 60W 0-10V Dimming** Output 20V to 33V Multi Channel Constant Current **450mA** Max **60W**

347V Electronic (4 x 15W) Multi Channel Constant Current LED Driver. 0-10V Dimming. Output Range of 20V to 33V. 60W maximum.

### **Technical Specification:**

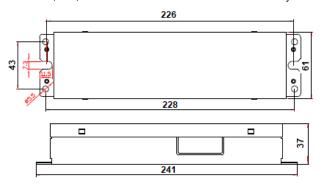
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	Protection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance F	ull Load: 18AWG -18 ft
Typical Efficiency:	85%	4 Channel Output	

### Case Size: Series FS3

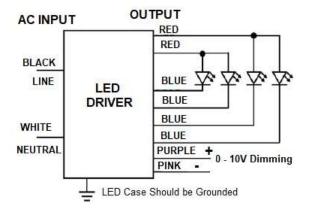
INP VOLT	-	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT	MODEL
34	17	0.21	72	15	60	20 to 33V	0.45A	NC450C15WQDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length		gth	0-10V Dimmer Compatibility Chart			
Colour	inc	cm				
Black White	6 6	15.2 15.2	NFTV DS710-10Z			
Blue	6	15.2	DVTV-WH			
Red	6	15.2	Case Size Series FS3	7		
Pink	7.1	18	241 61 37 226mm	1		
Purple	7.1	18	9.5 2.4 1.46 8.9inch			



2/6/15

#### WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# **347V LED DRIVER Multi Channel 72W 0-10V Dimming** Output 24V to 40V Multi Channel Constant Current **450mA** Max **72W**

347V Electronic (4 x 18W) Multi Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 24V to 40V. 72W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance F	ull Load: 18AWG -18 ft
Typical Efficiency: 85%	4 Channel Output	

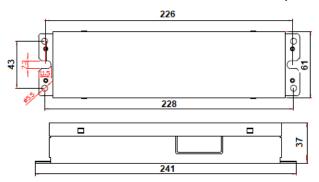
### Case Size: Series FS3

Due to continuing efforts to offer impr	oved products all specifications are sub	iect to change without prior notice
Bue to containing enterto to enter impr	orea preducto an opecinicatione are cap	joot to onlange manout phot notice

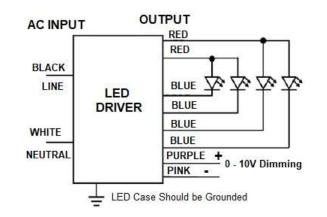
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
347	0.27	85	18	72	24 to 40V	0.45A	NC450C18WQDIM		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1			LEVITON		
Black	6	15.2		NFTV		DS710-10Z		
White	6	15.2		DVTV-WH				
Blue	6	15.2 15.2		Case Size Series FS3				ies FS3
Red Pink	0	15.2		L	W		H	ML
Purple	7.1	18		2 0. 0		37 .46	226mm 8.9inch	
i urpie	1.1	10		0.0				olollion.



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# **347V LED DRIVER Multi Channel 90W 0-10V Dimming** Output 25V to 42V Multi Channel Constant Current **700mA** Max **90W**

347V Electronic (3 x 30W) Multi Channel Constant Current 700mA LED Driver. 0-10V Dimming. Output Range of 25V to 42V. 90W maximum.

### **Technical Specification:**

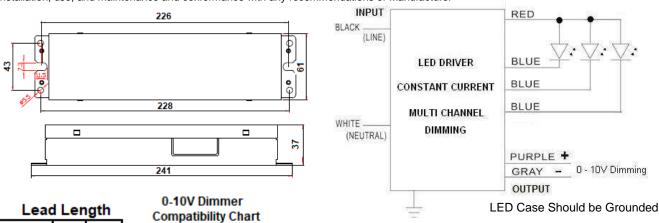
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%		
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%		
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ		
Output Open/Short Protection	THD:	< <b>20</b> %		
Min. Starting Temp: - 40° C	Power Factor Min:	0.90		
Max. Case Temp: 90° C	Remote Wiring Distance Full Load: 18AWG -18 ft			
Typical Efficiency: 86%	3 Channel Output			

### Case Size: Series FS3

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/1/15										
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	POWER POWER VOLTAGE CURRENT		MODEL						
347	0.31	105	90	25 to 42V	0.7A	NC700C30WTDIM					

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				Compatibility Chart				
Colour	inc	cm	1	-		LUTRON LEVITON		
Black	6	15.2		NETV				
White	6	15.2		DVTV-WH		_		
Blue	6	15.2						
Red	6	15.2		Ca	se Si	ze Ser	ies FS3	
				L	W	Н	ML	
Pink	7.1	18		241	61	37	226mm	
Purple	7.1	18		9.5	2.4	1.46	8.9inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# 347V LED DRIVER Dual Channel 24W

Output 20V to 34V Dual Channel Constant Current 350mA Max 24W Slim Case Size with leads

347V 350mA Electronic (2 x 12W) Dual Channel Constant Current LED Driver. Output Range of 20V to 34V. 24W maximum

# **Technical Specification:**

Input Voltage range: <u>+</u> 10%			
Output Load range <u>+</u> 5%			
Input Frequency: 50/60HZ			
THD: < 20%			
Power Factor Min: 0.90			
Remote Wiring Distance Full Load: 18AWG -18 ft			
2 Channel Output			

Case Size: Series MC1

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/1/15									
INPUT VOLTAGE	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS MAX	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	MODEL			
347	12	24	0.35A	20-34	0.08A	29	NC350C12WD			

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Electronic Ballast will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

Lead Length						
Colour	inch	cm				
Black	5.9	15				
White	5.9	15				
Blue	5.9	15				
Red	5.9	15				

		RED +
BLACK LINE C NEUTRAL WHITE	LED DRIVER	BLUE -
	CONSTANT CURRENT	2. 
	MULTI CHANNEL	RED 🕈
	MOLTICHANNEL	BLUE -
		OUTPUT

WARNING: Always Disconnect Power Before Handling.	Series MC1	L	W	н	ML
Case Should be Grounded. Install in Accordance	Case Size:	100000000000000000000000000000000000000		29.5mm	
with National and Local Electrical Codes.				1.16inch	



# Sage

# 120-277V Dimmable & Non-Dimmable Multi Channel LED Drivers

Sage 120 to 277V Dimmable Multi Channel LED Drivers include a wide variety of Custom drivers with multiple Form factor and output values designed for a select group of OEM Fixture manufactures. These drivers provide flexibility for the Fixture Manufacturers to offer wide range of luminaires for various light engine.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 185mA to 1050mA for Dimmable Output Current: from 350mA for Non-Dimmable

# LED DRIVER Multi Channel 32W 0-10V Dimming Output 26V to 43V Multi Channel Constant Current 185mA Max 32W

Universal Voltage 120-277V Electronic (4 x 8W) Multi Channel Constant Current 185mA LED Driver. 0-10V Dimming. Output Range of 26V to 43V. 32W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C **Typical Efficiency:** 85%

Input Voltage range: + 10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft 4 Channel Output

### Case Size: Series FS3

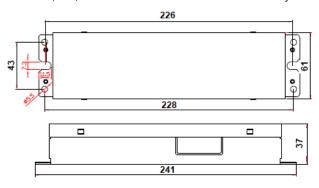
[	Due to continuing e	efforts to offer impre	oved products a	all specifications are sul	bject to change w	vithout prior notice		
	INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.61	38	Q	32	26 to 43V	0.185A	NU185C8WQD
				0	52	2010430	0.1054	INDIDJCOWQD

#### LIMITED WARRANTY

0.26

277

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1			LEVITON		
Black White	6	15.2 15.2		NFTV		DS710-10Z		
Blue	6	15.2		DVTV-WH				
Red	6	15.2		Case Size Series FS3				ies FS3 ML
Pink	7.1	18		241	W 61		37	226mm
Purple	7.1	18		9.5	2.4	1.	46	8.9inch

OUTPUT AC INPUT RED RED BLACK LINE BLUE LED BLUE DRIVER BLUE WHITE BLUE NEUTRAL PURPLE - 10V Dimming n PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Multi Channel 90W 0-10V Dimming

Output 29V to 48V Multi Channel Constant Current 350mA Max 51W

Universal Voltage 120-277V Electronic (3 x 17W) Multi Channel Constant Current LED Driver. 0-10V Dimming. Output Range of 29V to 48V. 51W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% 3 Channel Output

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full L	Load: 18AWG -18 ft

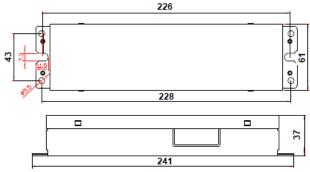
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.9A	62		62 51	20 to 48\/	0.35A	NU350C17WTD
277	0.39		51	2910460	0.35A	NUSSUCTIVITD	

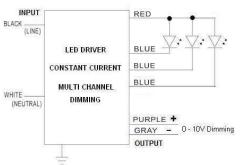
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation use and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	Ιt	LUTRON			LEVITON	
Black	6	15.2		NFTV			DS710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2	L					
Red	6	15.2		Ca	se Si	ze Sei	ries FS3	
Pink	7.1	18		L	W	H	ML	
Purple	7.1	18		241 9.5	61 2.4	37 1.46	226mm 8.9inch	

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Multi Channel 80W 0-10V Dimming Output 34V to 57V Multi Channel Constant Current 350mA Max 80W

Universal Voltage 120-277V Electronic (4 x 20W) Multi Channel Constant Current 350mA LED Driver. 0-10V Dimming. Output Range of 34V to 57V. 80W maximum.

### **Technical Specification:**

UL, CUL Recognized, F	OHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	85%	4 Channel Output	

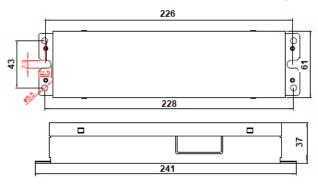
Case Size: Series FS3

Description of the state of the	1 set a 10 set 0 set a set a set 1 set 1 set 1 set a set a set 0 librar 1 set 1 set 1 set 0 set 0 set
Use to continuing efforts to offer improved products at	1 specifications are subject to change without prior notice
Bue to containing enotice to enot improved producto a	r opeenieuterie ale eubjeet te enange maneut prier neuee

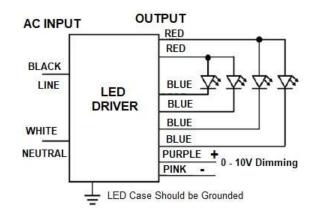
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.56 A	0.1	00		0.054		
277	0.68 A	91	80	34 to 57V	0.35A	NU350C20WQD	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1				-	VITON
Black	6	15.2		NFTV		DS710-10Z		
White Blue	6 6	15.2 15.2		DVTV-WH				
Red	6	15.2		Ca		_		ies FS3
Pink	7.1	18		241	W 61	-	H 37	ML 226mm
Purple	7.1	18		9.5	2.4	1.	46	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Multi Channel 40W 0-10V Dimming

Output 16V to 27V Multi Channel Constant Current **380mA** Max **40W** 

Universal Voltage 120-277V Electronic (4 x 10W) Multi Channel Constant Current LED Driver. 0-10V Dimming. Output Range of 16V to 27V. 40W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% 4 Channel Output

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft
Bottom Mount Studs	

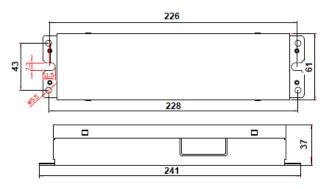
Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.78		17 10	10			
277	0.33	47	10	40	16 to 27V	0.38A	NU380C10WQD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc			-				VITON
Black	6	15.2		NFTV			D\$710-10Z	
White	6	15.2		DVTV-WH				0.100.002
Blue	6	15.2		DVIV-WI				
Red	6	15.2		Ca	se Si	ze S	eri	es FS3
	71	18		L	W	Н		ML
Pink	7.1	10		241	61	37		226mm
Purple	7.1	18		9.5	2.4	1.4	6	8.9inch

OUTPUT AC INPUT RED RED BLACK LINE BLUE LED DRIVER BLUE BLUE WHITE BLUE NEUTRAL PURPLE 0 - 10V Dimming PINK . LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Dual Channel 30W 0-10V Dimming Output 20V to 33V Dual Channel Constant Current 450mA Max 30W

Universal Voltage 120-277V Electronic (2 x 15W) Dual Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 20V to 33V. 30W maximum.

### **Technical Specification:**

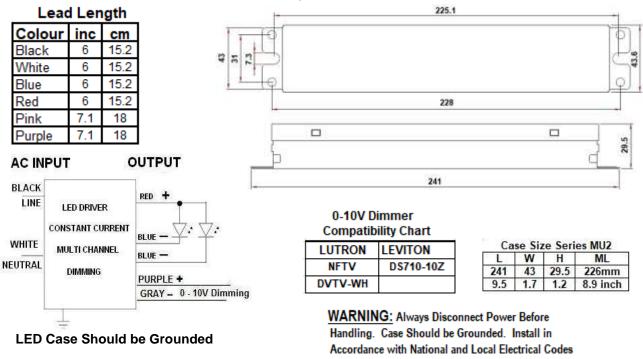
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<b>+</b> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency: 83%	2 Channel Output	
	-	Casa Sizar Sarias MI

#### Case Size: Series MU2

Due to continuing e INPUT VOLTAGE	efforts to offer impro INPUT CURRENT AMPS	INPUT POWER WATTS	Specifications are s OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	out prior notice OUTPUT VOLTAGE	2/6/15 MODEL
120	0.30	20	20	0.454	20 45 22)/	
277	0.13	36	30	0.45A	20 to 33V	NU450C15WDLDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Sage Lighting ltd.

# LED DRIVER Multi Channel 48W 0-10V Dimming

Output 16V to 27V Multi Channel Constant Current 450mA Max 48W

Universal Voltage 120-277V Electronic (4 x 12W) Multi Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 16V to 27V. 48W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 83% 4 Channel Output

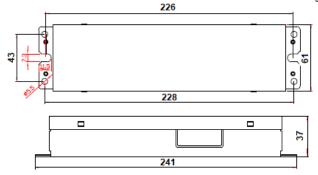
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Ful	I Load: 18AWG -18 ft

### Case Size: Series FS3

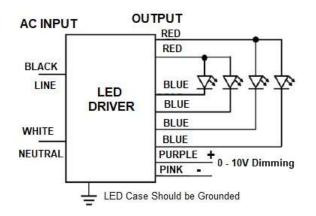
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.78	50	50	12	48	16 to 27V	0.45A	NU450C12WQD
277	0.33	58	12	40	10 10 27 V	0.45A	NU450CT2WQD	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc		1	LUTRON			-	/ITON
Black	6	15.2		NETV		DS710-10Z		
White	6	15.2		DVTV-WH		-	-	
Blue	6	15.2		DVIV-WI				
Red	6	15.2	Ι,	Ca	se Siz	ze :	Seri	ies FS3
	74			L	W		1	ML
Pink	7.1	18		241	61	3	7	226mm
Purple	7.1	18		9.5	2.4	1.	46	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Multi Channel 60W 0-10V Dimming

Output 20V to 33V Multi Channel Constant Current **450mA** Max **60W** 

Universal Voltage 120-277V Electronic (4 x 15W) Multi Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 20V to 33V. 60W maximum.

## **Technical Specification:**

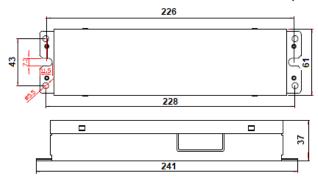
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG4 Channel Output

### Case Size: Series FS3

D	ue to continuing e	forts to offer impre	2/6/15					
	INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.61	71	15	60	20 to 33V	0.45A	NU450C15WQDIM
	277	0.26		10	00	2010 33 0	0.40A	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1	<u> </u>				
Black	6	15.2		NETV			D\$710-10Z	
White	6	15.2		DVTV-WH		_		
Blue	6	15.2						
Red	6	15.2		Ca			ries FS3	
Pink	71	18		L	W	H	ML	
FIIIK	1.1	10		241	61	37	226mm	
Purple	7.1	18		9.5	2.4	1.46	8.9inch	

 NFTV
 DS710-10Z

 DVTV-WH
 WARNING: Always Di

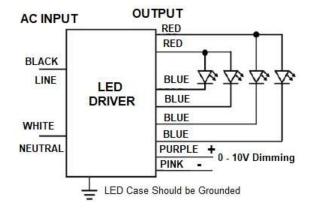
 Case Size Series FS3
 Handling. Case Should

 L
 W
 H
 ML

 241
 61
 37
 226mm

 9.5
 2.4
 1.46
 8.9inch

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Dual Channel 36W 0-10V Dimming Output 24V to 40V Dual Channel Constant Current 450mA Max 36W

Universal Voltage 120-277V Electronic (2 x 18W) Dual Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 24V to 40V. 36W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency: 82%	2 Channel Output	
	•	Casa Cina, Carias M

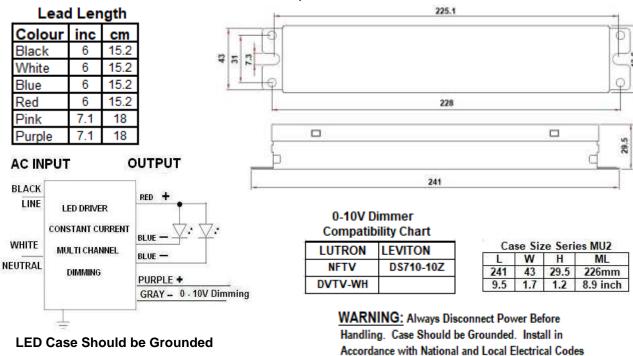
Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
120	0.30	44	36	0.45A	24 to 40V	NU450C18WDLDIM
277	0.13		50	0.40/	24 10 40 1	NO4300 IOWDEDIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER Multi Channel 72W 0-10V Dimming

Output 24V to 40V Multi Channel Constant Current 450mA Max 72W Bottom Mount Studs with leads

Universal Voltage 120-277V Electronic (4 x 18W) Multi Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 24V to 40V. 72W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full L	.oad: 18AWG -18 ft
Typical Efficiency:	85%	Bottom Mount Studs	
4 Channel Output			

### Case Size: Series FS3

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.78	05	18	72	24 to 40V	0.45A	NU450C18WQBD
277	0.33	85	10	12	24 10 40 V	0.45A	NU450CTOWQBD

ue to continuing offerts to offer improved products all appointentions are subject to change without prior patie

LIMITED WARRANTY

Lead Length

inc

6

6

6

6

7.1

7.1

cm

15.2

15.2

15.2

15.2

18

18

Colour

Black

White

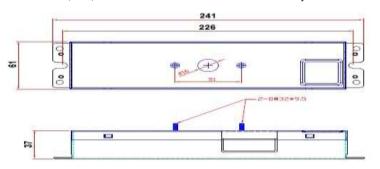
Blue

Red

Pink

Purple

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



0-10V Dimmer

**Compatibility Chart** 

		RED
BLACK LINE	LED	
	DRIVER	BLUE
VHITE		BLUE
		BLUE
UTRAL		PURPLE +
		PINK - 0 - 10V Dimming

		-		
	VITON	I LE	JTROI	LU
	S710-10Z	D	NFTV	1
WARNING: A		н	TV-W	DV
Handling. Case	ies FS3	e Seri	se Siz	Ca
Accordance wit	ML	Н	W	L
	226mm	37	61	241
	8.9inch	1.46	2.4	9.5

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

ays Disconnect Power Before hould be Grounded. Install in lational and Local Electrical Codes

Pighting ltd.

# LED DRIVER Dual Channel 38W 0-10V Dimming Output 25V to 42V Dual Channel Constant Current 450mA Max 38W

Universal Voltage 120-277V Electronic (2 x 19W) Dual Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 25V to 42V. 38W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	gnized, ROHS Compliant	Input Voltage re
EMI FCC Part 15, 0	Class A	Output Load ro
Rating: IP 65 Damp	, Dry	Input Frequency
Output Open/Short	Protection	THD:
Min. Starting Temp:	- 40° C	Power Factor M
Max. Case Temp:	90° C	Remote Wiring D
Typical Efficiency:	83%	
2 Channel Output		

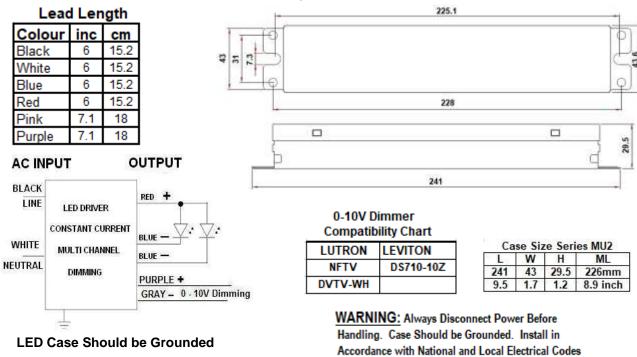
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

### Case Size: Series MUL

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT CURRENT AMPS	OUTPUT VOLTAGE	MODEL
120	0.46	46	38	0.45A	25 to 42V	NU450C19WDLD
277	0.20		00	0.4677	2010 42 0	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER Multi Channel 60W 0-10V Dimming

Output 20V to 33V Multi Channel Constant Current **450mA** Max **60W** Bottom Mount Studs with leads

Universal Voltage 120-277V Electronic (4 x 15W) Multi Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 20V to 33V. 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% 4 Channel Output Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWGBottom Mount Studs

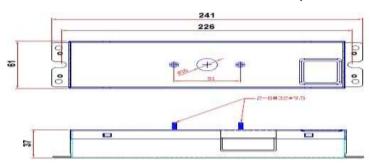
Case Size: Series FS3

	1 1 11 16 11	
Due to continuing efforts to offer improved p	nroducts all spacifications are sub	Nect to change without prior potice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.61					a ( <b>-</b> 1		
277	0.26	71	15	60	20 to 33V	0.45A	NU450C15WQBD	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



		RED
LACK	LED	
	DRIVER	BLUE
		BLUE
VHITE		BLUE
UTRAL		PURPLE + 0 - 10V Dimming
		PINK - 0 - 10V Dimming

Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc		-	LUTRON				VITON
Black	6	15.2	-	NETV			D	S710-10Z
White	6	15.2		DVTV-WH		н		
Blue	6	15.2		DVIV-WI				
Red	6	15.2		Ca	se Si	ze S	eri	ies FS3
	74			L	W	H		ML
Pink	7.1	18		241	61	37	7	226mm
Purple	7.1	18	[	9.5	2.4	1.4	6	8.9inch
			-					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in

Accordance with National and Local Electrical Codes



# LED DRIVER Multi Channel 72W 0-10V Dimming

Output 24V to 40V Multi Channel Constant Current **450mA** Max **72W** Universal Voltage 120V-277V

Universal Voltage 120-277V Electronic (4 x 18W) Multi Channel Constant Current 450mA LED Driver. 0-10V Dimming. Output Range of 24V to 40V. 72W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG4 Channel Output

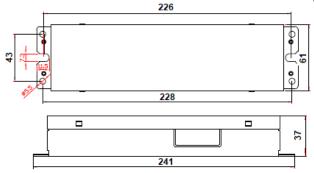
### Case Size: Series FS3

Design of the second se	1 set a 20 set 0 set a set of the state set of set of set of the set of th
	1 specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS TOTAL	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.78		10			a	
277	0.33	85	18	72	24 to 40V	0.45A	NU450C18WQDIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	t				LUTRON LEVITON	
Black	6	15.2	†	NETV			D\$710-10Z	
White	6	15.2		DVTV-WH		_		
Blue	6	15.2	1	DVIV-WI				
Red	6	15.2	Ι,	Ca	se Si	ze Se	eri	es FS3
Pink	71	18		L	W	H		ML
Purple	7.1	18		241 9.5	61 2.4	37	-	226mm 8.9inch

OUTPUT AC INPUT RED RED BLACK LINE BLUE LED BLUE DRIVER BLUE WHITE BLUE NEUTRAL PURPLE 0 - 10V Dimming PINK LED Case Should be Grounded

> WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Multi Channel 75W 0-10V Dimming Output 30V to 50V Multi Channel Constant Current 500mA Max 75W

Universal Voltage 120-277V Electronic (3 x 25W) Multi Channel Constant Current 500mA LED Driver. 0-10V Dimming. Output Range of 30V to 50V. 75W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	84%	3 Channel Output	

### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.9A	90	75	20 to 50\/	0.5A	5A <b>NU500C25WTD</b>
277	0.39	89	75	30 to 50V		

#### LIMITED WARRANTY

Lead Length

inc

6

6

6

6

7.1

7.1

Colour

Black

White

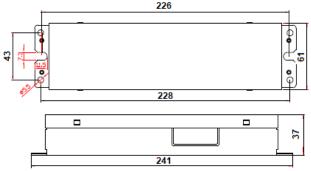
Blue

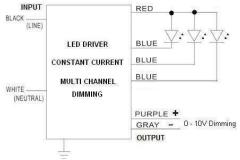
Red

Pink

Purple

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation use and maintenance and conformance with any recommendations of Manufacturer





LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



gth		0-10V Dimmer Compatibility Chart					
	LUTRON	LEVITON					
cm 15.2	NFTV	DS710-10Z					
15.2	DVTV-WH						
10.4							

15.2									
15.2	Case Size Series FS3								
18	L	W	Н	ML					
	241	61	37	226mm					
18	9.5	2.4	1.46	8.9inch					

# LED DRIVER Multi Channel 84W 0-10V Dimming

Output 34V to 56V Multi Channel Constant Current 500mA Max 84W

Universal Voltage 120-277V Electronic (3 x 28W) Multi Channel Constant Current 500mA LED Driver. 0-10V Dimming. Output Range of 34V to 56V. 84W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 f
Typical Efficiency: 86%		
3 Channel Output		

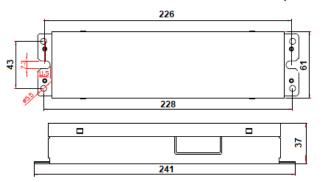
### Case Size: Series FS3

ft

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.9A	98	84	34 to 56V	0.5A	NU500C84WTD
277	0.39	90				

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	Len	gth	0-10V Dimmer Compatibility Chart			
Colour	inc	cm	LUTRON LEVITON			
Black	6	15.2	NFTV DS710-10Z			
White	6	15.2	DVTV-WH			
Blue	6	15.2				
Red	6	15.2	Case Size Series FS3			
Pink	7.1	18	L W H ML 241 61 37 226mm			
Purple	7.1	18	9.5 2.4 1.46 8.9inch			

INPUT RED BLACK (LINE) BLUE LED DRIVER BLUE CONSTANT CURRENT BLUE MULTI CHANNEL WHITE DIMMING (NEUTRAL) PURPLE + GRAY - 0 - 10V Dimming OUTPUT

LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER Dual Channel & Output 0-10V Dimming

Output 18V to 30V Dual Channel Constant Current 350mA-700mA Max 32W

Universal Voltage 120-277V Dual Channel & Current - 350mA & 700mA LED Driver. 0-10V Dimming. Output Range of 18V to 30V. 32W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 84% 2 Channel 2 Output Current

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Fu	II Load: 18AWG -18 ft

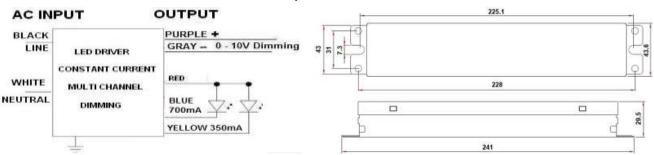
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.96	20	32	18 to 30V	0.35A <b>/</b> 0.7A	NU700C21WD-D2
277	0.42	38	32	10 10 30 V	0.33470.74	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



### LED Case Should be Grounded

### 0-10V Dimmer

Compatibility Chart

LUTRON LEVITON	Ca	Case Size Series MU2					
NFTV DS710-10Z	L	W	Н	ML			
NFTV D3/10-102	241	43	29.5	226mm			
DVTV-WH	9.5	1.7	1.2	8.9 inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes





## LED DRIVER Dual Channel & Output 0-10V Dimming

Output 28V to 46V Dual Channel Constant Current 350mA-700mA Max 49W

Universal Voltage 120-277V Dual Channel & Current 350mA & 700mA LED Driver. 0-10V Dimming. Output Range of 28V to 46V. 49W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 84% 2 Channel 2 Output Current

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Lo	ad: 18AWG -18 ft

### Case Size: Series MU2

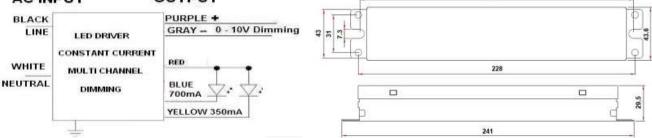
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.96		40	28 to 46V	0.254 / 0.74	
277	0.42	58	49	2010400	0.35A <b>/</b> 0.7A	NU700C32WD-D2

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### AC INPUT OUTPUT



### LED Case Should be Grounded

### 0-10V Dimmer Compatibility Chart

LUTRON

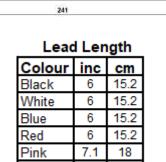
NFTV

DVTV-WH

I EVITON	Case Size Series MU2					
00740 407	L	W	H	ML		
DS710-10Z	241	43	29.5	226mm		
	9.5	1.7	1.2	8.9 inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



7.1

Purple

225.1



18

### LED DRIVER Multi Channel 90W 0-10V Dimming Output 25V to 42V Multi Channel Constant Current 700mA Max 90W

Universal Voltage 120-277V Electronic (3 x 30W) Multi Channel Constant Current 700mA LED Driver. 0-10V Dimming. Output Range of 25V to 42V. 90W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recogr	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short Pi	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	<b>Remote Mounting Distance:</b>	18AWG - 18 ft
Typical Efficiency:	86%		
3 Channel Output			

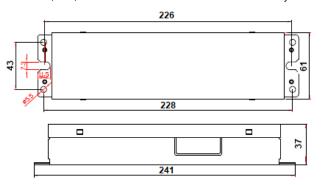
### Case Size: Series FS3

Due to cont	tinuing e	efforts to offer improve	1/1/15				
	-	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
12	0	0.9A	105	90	25 to 42V	0.7A	NU700C30WTDIM
27	7	0.39		30	23 10 42 0	0.78	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

INPUT



BLACK (LINE)		$\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$
	LED DRIVER	BLUE
	CONSTANT CURRENT	BLUE
	MULTI CHANNEL	BLUE
WHITE (NEUTRAL)	DIMMING	
		PURPLE +
		GRAY - 0 - 10V Dimming
		OUTPUT
10		☐ OUTPUT ED Case Should be Grounde

RED

Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1					
Black	6	15.2		NETV		_	DS710-10Z	
White	6	15.2		DVTV-WH		_		
Blue	6	15.2						
Red	6	15.2		Ca		ze Se	eri	es FS3
Pink	7.1	18		L	W	Н		ML
PIIK	1.1	10		241	61	37		226mm
Purple	7.1	18		9.5	2.4	1.46	6	8.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER Multi Channel 90W 0-10V Dimming

Output 25V to 42V Multi Channel Constant Current **700mA** Max **90W** Bottom Mount Studs with leads

Bottom Mount Studs with leads

Universal Voltage 120-277V Electronic (3 x 30W) Multi Channel Constant Current 700mA LED Driver. 0-10V Dimming. Output Range of 25V to 42V. 90W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% 3 Channel Output Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ftBottom Mount Studs

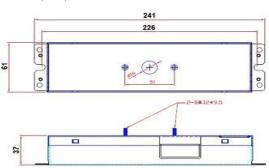
### Case Size: Series FS3

Description of the state of the	• Construction of the second state of the s	a stiff a settle set as a settle best for a large set.	end of the second se
LULIE TO CONTINUING ETTORTS TO	offer improved products all spe	ecitications are subject to chan	TA WITHOUT DRIOT DOTICA
Due to continuing enorte to	oner improved producto an opt		jo maioat prior riotoo

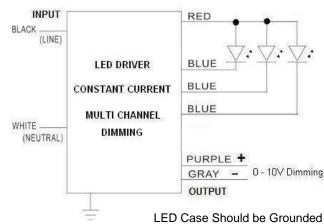
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.9A	105	90	25 to 42V	0.7A	NU700C30WTBD
277	0.39	105	30	23 10 42 0	0.78	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	Lead Length			0-10V Dimmer Compatibility Chart				
Colour	inc	cm	l †				LEVITON	
Black	6	15.2		NETV		_	D\$710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2						
Red	6	15.2	l r	Ca			ies FS3	
Pink	7.1	18		241	01 61	н 37	ML 226mm	
Purple	7.1	18	[	9.5	2.4	1.46	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# LED DRIVER Dual Channel 64W 0-10V Dimming

Output Range 27V to 46V Dual Channel Constant Current 700mA Max 64W

Universal Voltage 120-277V Electronic (2 x 32W) Dual Channel Constant Current 7000mA LED Driver. 0-10V Dimming. Output Range of 27V to 46V for Single circuit 64W maximum.

### **Technical Specification:**

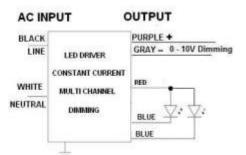
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 83% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.95Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series FS3

[	Due to continuing e	fforts to offer improved	d products all spe	ecifications are subject to	change without pri-	or notice	
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.96A	78	64	27 to 46V	0.7A	NU700C32WDLD
	277	0.42A	70	04	27 10 40 V	0.7A	

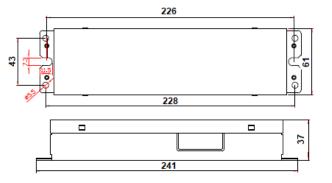
### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



LED Case Should be Grounded

Lead		0-10V Dimmer Compatibility Chart						
Colour	inc	cm	1	LUTRON		I LE	LEVITON	
Black	6	15.2		NETV			DS710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2						
Red	6	15.2		Ca		ze Se	ries FS3	
Pink	7.1	18		L	W	H	ML	
Purple	7.1	18		241 9.5	61 2.4	37	226mm 8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Dage Lighting ltd.

## LED DRIVER Dual Channel 76W 0-10V Dimming Output 32V to 54V Dual Channel Constant Current 700mA Max 76W

Universal Voltage 120-277V Electronic (2 x 38W) Dual Channel Constant Current 700mA LED Driver. 0-10V Dimming. Output Range of 32V to 54V. 76W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	83%	2 Channel Output	

### Case Size: Series FS3

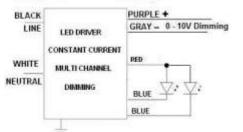
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.96	92	76	32 to 54V	0.7A	NU700C38WDLD	
277	0.42	92	70	32 10 34 V	0.7A		

### LIMITED WARRANTY

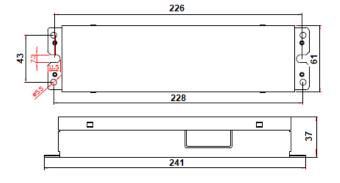
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### AC INPUT OUTPUT



LED Case Should be Grounded

Lead	Lead Length					0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1	LUTRON		1 1	LEVITON			
Black	6	15.2		NETV			D	S710-10Z		
White	6	15.2		DVTV-WH						
Blue	6	15.2								
Red	6	15.2	Ι.	Ca	se Si	ze S	eri	ies FS3		
	74			L	W	H		ML		
Pink	7.1	18		241	61	3	7	226mm		
Purple	7.1	18		9.5	2.4	1.4	6	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



### LED DRIVER Multi Channel 160W 0-10V Dimming Output 34V to 57V Multi Channel Constant Current 700mA Max 160W

Universal Voltage 120-277V Electronic (4 x 40W) Multi Channel Constant Current 700mA LED Driver. 0-10V Dimming. Output Range of 34V to 57V. 160W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	85%	4 Channel Output	

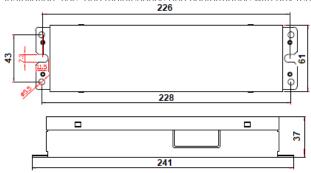
### Case Size: Series FS7

### Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

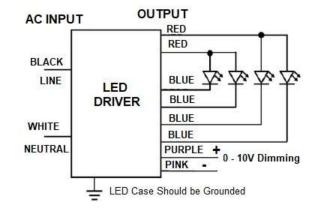
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.56 A	400	10	400		0.74	
277	0.68 A	188	40	160	34 to 57V	0.7A	NU700C40WQD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



	l Ler	-				Dimn tibility	ner Chart
Colour	inc	cm	1	LU	TRON	LE'	VITON
Black	6	15.2		N	FTV	D	\$710-10Z
White	6	15.2		DV	TV-W	1	
Blue	6	15.2					
Red	6	15.2	- 8	Ca	ase Si	ze Ser	ries FS7
Pink	7.1	18		L	W	Н	ML
	7.1	18		241	95	45	226mm
Purple	1.1	10		9.5	3.75	1.77	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

# LED DRIVER Dual Channel 68W 0-10V Dimming

Output 19V to 32V Dual Channel Constant Current 1050mA Max 68W

Universal Voltage 120-277V Electronic (2 x 34W) Dual Channel Constant Current 1050mA LED Driver. 0-10V Dimming. Output Range of 19V to 32V. 68W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 83% 2 Channel Output

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

### Case Size: Series FS3

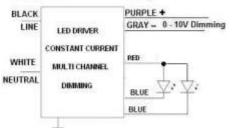
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS PER CHANNEL	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.96	82	34	68	19 to 32V	1.05A	NU1050C34WDLD
277	0.42	02	- 34	00	1910 32 0	1.05A	NOT050C34WDLD

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### AC INPUT OUTPUT



LED Case Should be Grounded

Lead Length				0-10V Dimmer Compatibility Chart				
Colour	ur inc cm		1	LUTRON		I LE	LEVITON	
Black	6	15.2		NFTV			DS710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2						
Red	6	15.2		Ca	se Si		ries FS3	
Pink	7.1	18		241	61	H 37	226mm	
Purple	7.1	18		9.5	2.4	1.46	8.9inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Sage

# **347V**

# Dimmable & Non-Dimmable Fixed Current LED Drivers

Sage offers a wide variety 347V Dimmable fixed Current LED Drivers. Most of these drivers are available in multiple Form factor and output values and are designed for a select group of OEM Fixture manufactures. These drivers provide flexibility for the Fixture Manufacturers to offer wide range of luminaires for the Canadian Market

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 350mA to 5000mA for Dimmable Output Current: from 300mA for Non-Dimmable

## **347V LED DRIVER 70W 0-10V Dimming** Output Range 120V to 200V Constant Current **350mA** Max **70W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 120V to 200V for Single circuit 70W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88 % Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

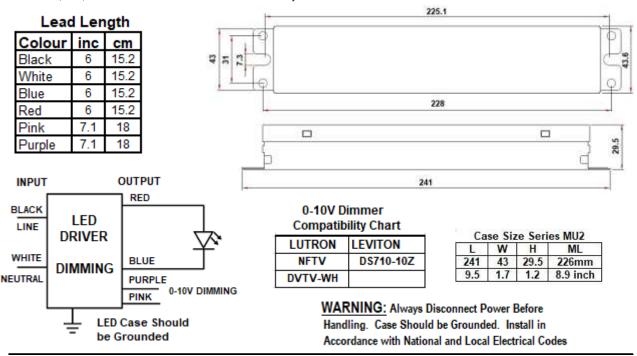
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.5A	80	70	120 to 200V	0.35A	NC350C70WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

# **347V LED DRIVER 100W 0-10V Dimming** Output Range 85V to 143V Constant Current **700mA** Max **100W**

347V Electronic Constant Current 700mA LED Driver 0-10V Dimming. Output Range of 85V to 143V for Single circuit 100W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

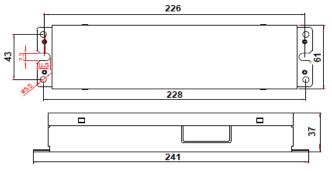
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

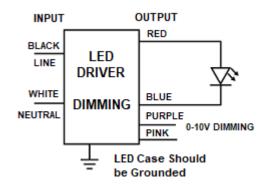
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.32A	112	100	85 to 143V	0.7A	NC700C100WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	lt	LU	TRON		LE	/ITON
Black	6	15.2	†		FTV	-		\$710-10Z
White	6	15.2		DVTV-WH		-		
Blue	6	15.2						
Red	6	15.2	Ι.	Ca	se Si	ze S	Seri	ies FS3
Pink	71	18		L	W	H	1	ML
FIIIK	1.1			241	61	3	7	226mm
Purple	7.1	18	[	9.5	2.4	1.4	46	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# 347V LED DRIVER 150W 0-10V Dimming

### Output Range 128V to 214V Constant Current 700mA Max 150W

347V Electronic Constant Current 700mA LED Driver 0-10V Dimming. Output Range of 128V to 214V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 91%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full L	.oad: 18AWG -18 ft

### Case Size: Series FS4

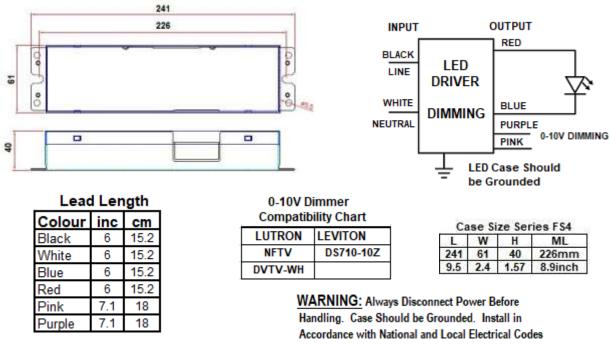
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.5A	165	150	128 to 214V	0.7A	NC700C150WSD

#### LIMITED WARRANTY

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# 347V LED DRIVER 200W 0-10V Dimming

Output Range 171V to 285V Constant Current **0.7A** Max **200W** 

347V Electronic Constant Current 700mA LED Driver 0-10V Dimming. Output Range of 171V to 285V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 93%

Input Voltage range:	<u>+</u> 10%				
Output Load range	<u>+</u> 5%				
Input Frequency:	50/60HZ				
THD:	< 20%				
Power Factor Min:	0.90				
Remote Wiring Distance Full Load: 18AWG -18 ft					

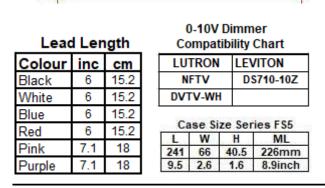
### Case Size: Series FS5

0	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice						
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347V	0.62A	215	200	171 to 285V	0.7A	NC700C200WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# **347V LED DRIVER 200W 0-10V Dimming** Output Range 120V to 200V Constant Current **1000mA** Max **200W**

347V Electronic Constant Current 1000mA LED Driver 0-10V Dimming. Output Range of 120V to 200V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 93%

Input Voltage range:	<u>+</u> 10%				
Output Load range	<u>+</u> 5%				
Input Frequency:	50/60HZ				
THD:	< <b>20</b> %				
Power Factor Min:	0.90				
Remote Wiring Distance Full Load: 18AWG -18 ft					

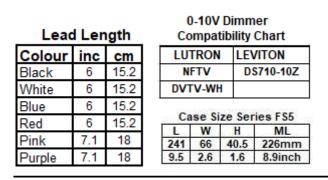
### Case Size: Series FS5

L	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347V	0.62A	222	200	120V to 200V	1A	NC1000C200WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# **347V LED DRIVER 200W 0-10V Dimming** Output Range 114V to 190V Constant Current **1050mA** Max **200W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 114V to 190V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 93%

Input Voltage range:	<u>+</u> 10%				
Output Load range	<u>+</u> 5%				
Input Frequency:	50/60HZ				
THD:	< 20%				
Power Factor Min:	0.90				
Remote Wiring Distance Full Load: 18AWG -18 ft					

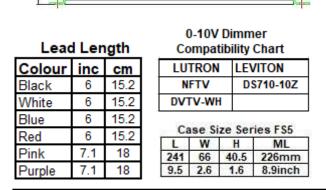
### Case Size: Series FS5

[	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice								
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
	347V	0.62A	215	200	114 to 190V	1.05A	NC1050C200WSD		

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# **347V LED DRIVER 200W 0-10V Dimming** Output Range 86V to 143V Constant Current **1400mA** Max **200W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 86V to 143V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 93%

Input Voltage range:	<u>+</u> 10%				
Output Load range	<u>+</u> 5%				
Input Frequency:	50/60HZ				
THD:	< 20%				
Power Factor Min:	0.90				
Remote Wiring Distance Full Load: 18AWG -18 ft					

### Case Size: Series FS5

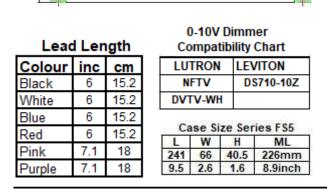
L	INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347V	0.62A	215	200	86 to 143V	1.4A	NC1400C200WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



A second se



OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# **347V LED DRIVER 56W 0-10V Dimming** Output Range 22V to 37V Constant Current **1500mA** Max **56W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 37V for Single circuit 56W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	h: 18AWG -18 ft Typical

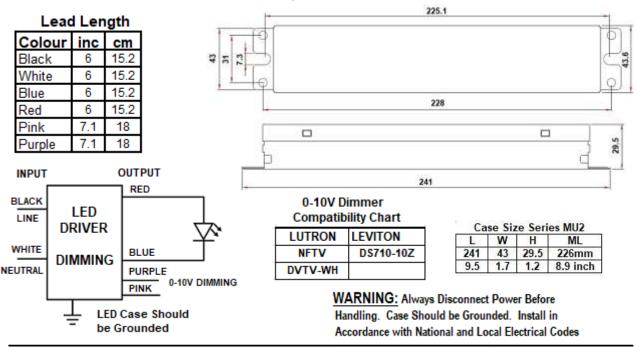
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.28A	62	56	22 to 37V	1.5A	NC1500C56WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Sage Lighting ltd.

# 347V LED DRIVER 60W 0-10V Dimming

### Output Range 24V to 40V Constant Current 1500mA Max 60W

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87%

# Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

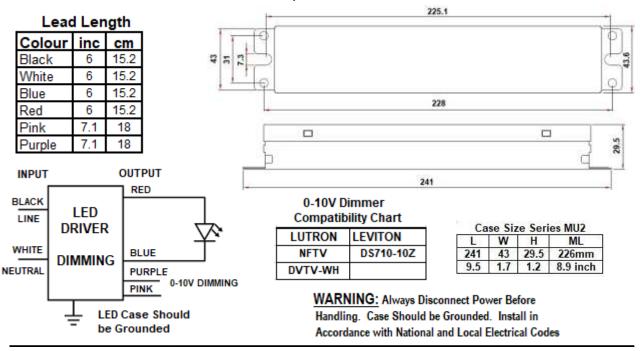
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.20A	69	60	24 to 40V	1.5A	NC1500C60WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER 200W 0-10V Dimming Output Range 67V to 111V Constant Current 1800mA Max 200W

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 67V to 111V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%			
Output Load range	<u>+</u> 5%			
Input Frequency:	50/60HZ			
THD:	< 20%			
Power Factor Min:	0.90			
Remote Wiring Distance Full Load: 18AWG -18 ft				

### Case Size: Series FS5

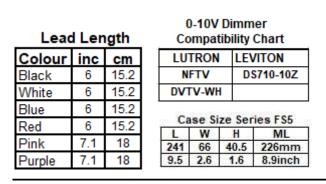
INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.64A	222	200	67 to 111V	1.8A	NC1800C200WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



A second se



INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

OUTPUT

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# **347V LED DRIVER 200W 0-10V Dimming** Output Range 57V to 95V Constant Current **2100mA** Max **200W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 57V to 95V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full L	.oad: 18AWG -18 ft

### Case Size: Series FS5

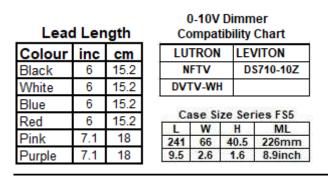
L	INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347V	0.62A	222	200	57 to 95V	2.1A	NC2100C200WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



a foregoing of the state of the



OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# 347V LED DRIVER 100W 0-10V Dimming Output Range 26V to 43V Constant Current 2300mA Max 100W

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 26V to 43V for Single Output circuit 100W maximum.

### **Technical Specification:**

**UL, CUL Recognized, ROHS Compliant** FCC Part 15, Class A EMI Rating: IP 65 Damp, Drv **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: **Typical Efficiency:** 89%

Input Voltage range: +10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% **Power Factor Min:** 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

Case Size: Series FS3

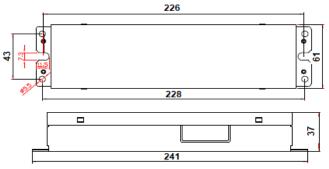
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

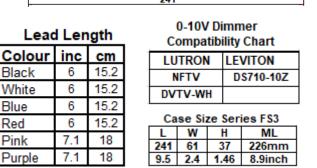
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.5A	114	100	26 to 43V	2.3A	NC2300C100WSD

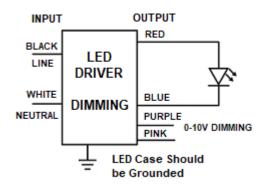
### LIMITED WARRANTY

Red

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# **347V LED DRIVER 200W 0-10V Dimming** Output Range 48V to 80V Constant Current **2500mA** Max **200W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 48V to 80V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%			
Output Load range	<u>+</u> 5%			
Input Frequency:	50/60HZ			
THD:	< 20%			
Power Factor Min:	0.90			
Remote Wiring Distance Full Load: 18AWG -18 ft				

### Case Size: Series FS5

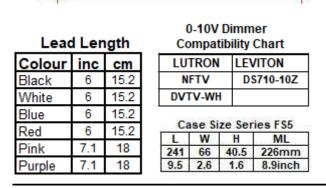
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.62A	222	200	48 to 80V	2.5A	NC2500C200WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



A second se



OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# **347V LED DRIVER 200W 0-10V Dimming** Output Range 43V to 71V Constant Current **2800mA** Max **200W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 43V to 71V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

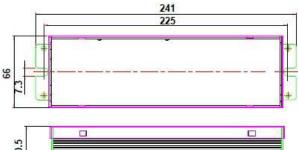
Input Voltage range:	<u>+</u> 10%			
Output Load range	<u>+</u> 5%			
Input Frequency:	50/60HZ			
THD:	< 20%			
Power Factor Min:	0.90			
Remote Wiring Distance Full Load: 18AWG -18 ft				

### Case Size: Series FS5

L	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347V	0.62A	222	200	43 to 71V	2.8A	NC2800C200WSD

### LIMITED WARRANTY

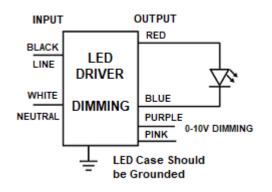
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



- Second and the state of the second second



l Len	gth						
Colour inc cm			LUTRON LEVITON				
6	15.2		NFTV			DS710-10Z	
6	15.2		DVTV-WH				
6	15.2		8223	0.580020		20200000000000	
6	15.2		Ca	ise Si	ze S	eries FS5	
			L	W	H	ML	
7.1	18		241	66	40.	5 226mm	
7.1	18		9.5	2.6	1.6	8.9inch	
	6 6	6         15.2           6         15.2           6         15.2           6         15.2           7.1         18	inc         cm           6         15.2           6         15.2           6         15.2           6         15.2           7.1         18	Length         Common Comm	Length         Comparing           inc         cm         LUTRON           6         15.2         NFTV           6         15.2         DVTV-With           6         15.2         Case Si           6         15.2         L           6         15.2         L           6         15.2         L           7.1         18         241	inc         cm         LUTRON         L           6         15.2         NFTV         DVTV-WH           6         15.2         DVTV-WH         Case Size S           6         15.2         L         W         H           7.1         18         241         66         40.4	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Lighting ltd.

# 347V LED DRIVER 200W 0-10V Dimming Output Range 40V to 66V Constant Current 3000mA Max 200W

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 40V to 66V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C **Typical Efficiency:** 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

### Case Size: Series FS5

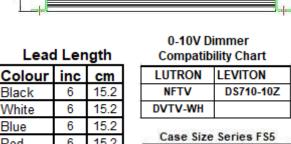
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.62A	222	200	40 to 66V	ЗA	NC3000C200WSD

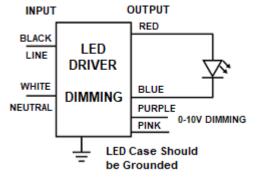
Due to continuing efforts to effort improved products all specifications are subject to shappe without prior paties

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







Lead	Co	mpa	tibilit	y C	Chart		
Colour inc cm		LUTRON			LEVITON		
Black	6	15.2	NFTV			DS	710-10Z
White	6	15.2	DVTV-WH				
Blue	6	15.2	3223		enterno	-	00000000
Red	6	15.2	Ca	ise Si	ze S	eri	es FS5
Pink	7.1	18	241	66	40.4	5	ML 226mm
Purple	7.1	18	9.5	2.6	1.6		8.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

# **347V LED DRIVER 200W 0-10V Dimming** Output Range 34V to 57V Constant Current **3500mA** Max **200W**

347V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 34V to 57V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full L	.oad: 18AWG -18 ft

### Case Size: Series FS5

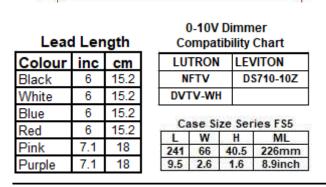
	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.64A	222	200	34 to 57V	3.5A	NC3500C200WSD

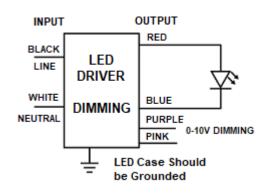
### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



a foregoing of the second states of the second field of the second states of the second state





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# Sage

# 120-277V Dimmable Fixed Current LED Drivers

Sage offers a large selection of 120-277V Dimmable fixed Current LED Drivers. Most of these drivers are available in multiple Form factor and output values and are designed for a select group of OEM Fixture manufactures. These drivers provide flexibility and choices for Fixture Manufacturers to offer wide range of luminaires.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 300mA to 5000mA

# LED DRIVER 17W 0-10V Dimming

Output Range 33V to 55V Constant Current **300mA** Max **17W** 

Compact Case Size with Bottom Mount Studs with leads No Mounting Flange

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 33V to 55V for Single circuit 17W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ftBottom Mount Studs

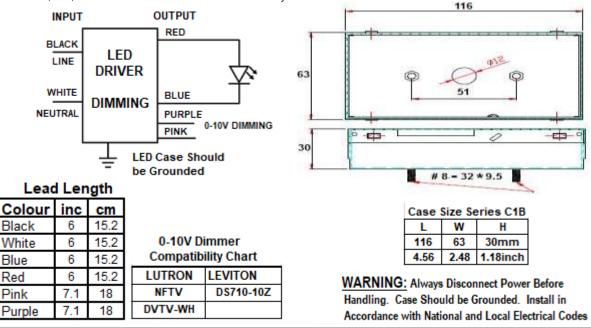
Case Size: Series C1B

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.44A	20	20	17	33 to 55V	0.3A	NU300C17WSBD
277	0.19A	20	17	33 10 55 V	0.5A	NUSUUCITWSBD	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}^{age}_{ighting \, ltd.}$ 

# LED DRIVER 18W 0-10V Dimming

Output Range 36V to 60V Constant Current **300mA** Max **18W** 

Compact Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single Output circuit 18W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG- 18 ft

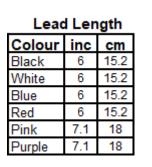
### Case Size: Series C1U

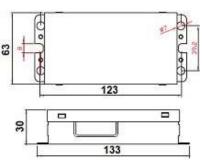
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

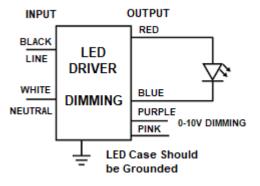
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.14A	21	10	26 to 601/	0.24	NU300C18WSD
277	0.17A	21	18	36 to 60V	0.3A	140300010W3D

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







### 0-10V Dimmer Compatibility Chart LUTRON LEVITON

NFTV

DVTV-WH

		Case Size Series C1U					
LEVITON		L	W	Н	ML		
DS710-10Z		133	63	30	123mm		
		5.23	2.48	1.18	4.84inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 39W 0-10V Dimming Output Range 76V-128V Constant Current 300mA Max 39W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range

### **Technical Specification:**

of 76V-128V for Single circuit 39W maximum.

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	ll Load: 18AWG -18 ft

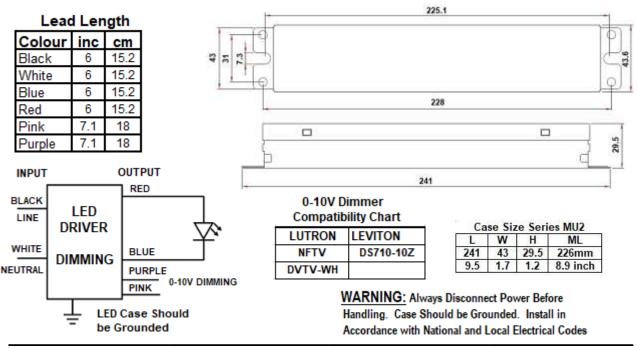
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.4A	45	20	76 to 128V	0.3A	NU300C39WSD	
277	0.17A	45	45 39	39	76 to 1280	0.3A	N0200C23M2D

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

# LED DRIVER 6.6W 0-10V Dimming

Output Range 12V to 19V Constant Current **350mA** Max **6.6W** 

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 12V to 19V for Single circuit 6.6W maximum.

### **Technical Specification:**

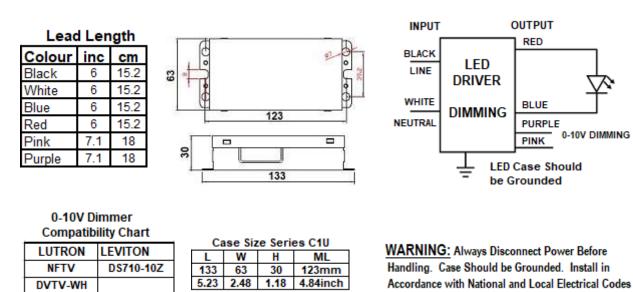
Class 2 UL, CUL Recognized, ROHS Complian	nt Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< <b>20</b> %
Min. Starting Temp: - 40° C	Power Factor Min:	0.95
Max. Case Temp: 90° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency: 80%		

### Case Size: Series C1U

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/5/18								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
120	0.08A	9	6.6	12 to 19V	0.35A	NU350C6WSDIM			
277	0.03A	9	0.0	12 10 190	0.35A				

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 25W 0-10V Dimming

Output Range 43V to 72V Constant Current 350mA Max 25W

Compact Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 43V to 72V for Single Output circuit 25W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ft

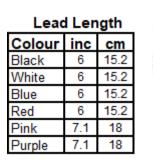
### Case Size: Series C1U

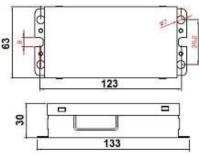
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

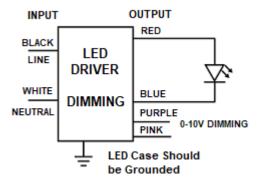
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.40A	30	25	43 to 72V	0.35A	NU350C25WSD
277	0.17A	- 50	20	43 10 7 2 V	0.30A	NU350C25W3D

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







0-10V D	immer					
Compatib	ility Chart		<b>C</b>	neo Sia	o Sori	es C1U
LUTRON	LEVITON			W	H	ML
NFTV	DS710-10Z	1	133	63	30	123mm
DVTV-WH		1	5.23	2.48	1.18	4.84inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**L**ighting ltd.

## LED DRIVER 30W 0-10V Dimming Output Range 51V to 85V Constant Current 350mA Max 30W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 51V to 85V for Single circuit 30W maximum.

### **Technical Specification:**

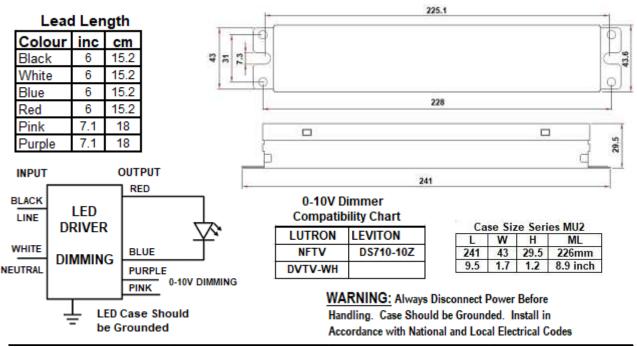
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG -18 ft

### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.60A	25	35 30 51 to 85V	0.35A	NU350C30WSD		
277	0.26A	- 55	- 30	51 10 65 V	0.35A	N0330C30W3D	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



age ughting ltd.

# LED DRIVER 40W 0-10V Dimming

Output Range 68V-114V Constant Current **350mA** Max **40W** 

Small Case Size with Side Exit leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 68V-114V for Single circuit 40W maximum.

### **Technical Specification:**

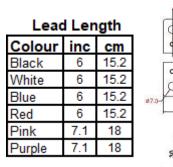
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

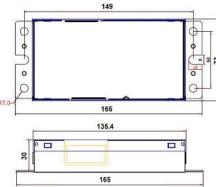
### Case Size: Series C4S

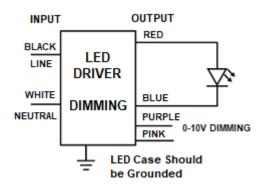
0	Due to continuing e	prior notice	5/8/22				
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.4A	45	40	68 to 114V	0.35A	NU350C40WSDIM
	277	0.17A	45	40	00101140	0.55A	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







#### 0-10V Dimmer Compatibility Chart

LUTRON	I EVITON	Case Size Series C4S					
NETV	D\$710-107		L	w	H	ML	
NFIV	D3/10-10Z		165	73	30	149mm	
DVTV-WH			6.5	2.87	1.18	5.9inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 50W 0-10V Dimming

Output Range 86V-143V Constant Current 350mA Max 50W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 86V to 143V for Single circuit 50W maximum.

### **Technical Specification:**

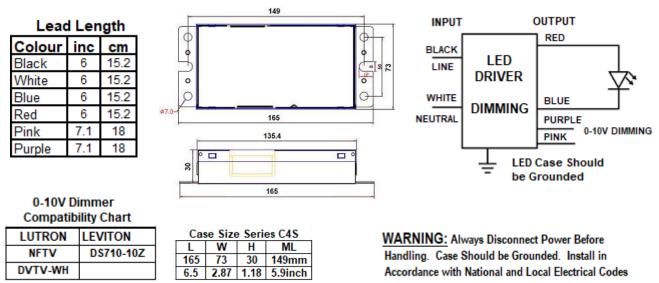
UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Load	h: 18AWG -18 ft
Typical Efficiency: 92%		

### Case Size: Series C4S

Due to continuing e	fforts to offer impro	3/10/22				
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.51A	55	50	86 to 143V	0.35A	NU350C50WSDIM
277	0.22A	55	50	00 IU 143V	0.35A	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 60W 0-10V Dimming Output Range 119V to 171V Constant Current 350mA Max 60W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 119V to 171V for Single circuit 60W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89%

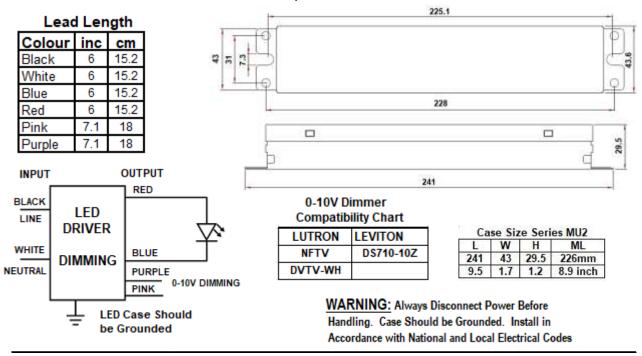
Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG -18 ft

### Case Size: Series MU2

D	ue to continuing e	fforts to offer impro-	1/1/15				
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.60A	<u></u>	60	119 to 171V	0.35A	NU350C60WSDIM
	277	0.26A	68				

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 112W 0-10V Dimming

## Output Range 170V to 280V Constant Current 400mA Max 112W

Universal Voltage 120-277V Electronic Constant Current 400mA LED Driver 0-10V Dimming. Output Range of 170V to 280V for Single circuit 112W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ft

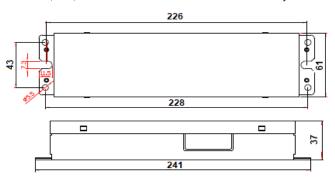
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

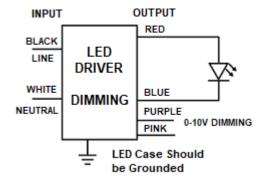
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	127	112	170 to 280V	0.4A	NU400C112WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



			0-10V Dimmer					
Len	gth		Co	ompa	tibility	Chart		
inc	cm		LUTRON		I LE	LEVITON		
6	15.2		N	FTV	D	D\$710-10Z		
6	15.2		DV	TV-W	H			
6	15.2					eries FS3		
6	15.2		Ca	se Si	ze Sei			
71			L	W	Н	ML		
1.1	10		241	61	37	226mm		
7.1	18		9.5	2.4	1.46	8.9inch		
	6 6	6         15.2           6         15.2           6         15.2           6         15.2           7.1         18	inc         cm           6         15.2           6         15.2           6         15.2           6         15.2           7.1         18	Length         Column           inc         cm         LU           6         15.2         N           6         15.2         DV           6         15.2         L           6         15.2         L           6         15.2         L           7.1         18         L	Length         Compa           inc         cm         LUTRON           6         15.2         NFTV           6         15.2         DVTV-With           6         15.2         Case Sith           6         15.2         L           6         15.2         L           6         15.2         L           7.1         18         241	Length         Compatibility           inc         cm         LUTRON         LE           6         15.2         NFTV         D           6         15.2         DVTV-WH         Case Size Ser           6         15.2         L         W         H           7.1         18         241         61         37		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 30W 0-10V Dimming

Output Range 40V to 66V Constant Current 450mA Max 30W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 40V to 66V for Single circuit 30W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

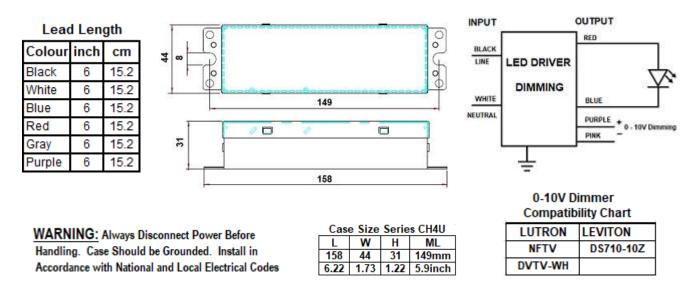
### Case Size: Series C4S

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.4A	25	30	40 to 66V	0.45A	NU450C30WSD
277	0.17A	35				N0450C50W5D

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 40W 0-10V Dimming

Output Range 53V to 89V Constant Current 450mA Max 40W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 53V to 89V for Single circuit 40W maximum.

## **Technical Specification:**

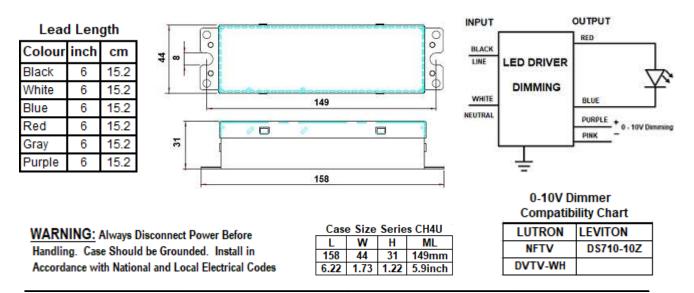
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series C4S

C	ue to continuing e	fforts to offer impro	4/6/17				
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.4A	48	40	53V to 89V	0.45A	NU450C40WSDIM
	277	0.17A	47	40			

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 50W 0-10V Dimming

Output Range 67V to 111V Constant Current 450mA Max 50W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 67V to 111V for Single circuit 50W maximum.

## **Technical Specification:**

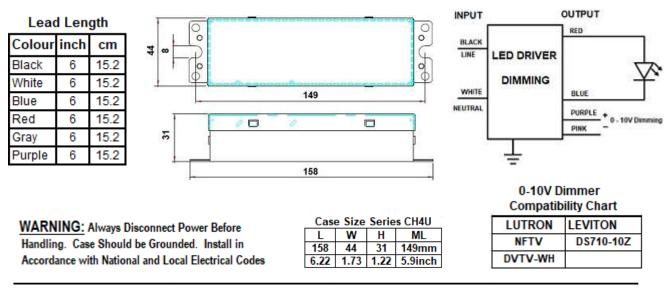
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series C4S

Due to continuing e	te to continuing efforts to offer improved products all specifications are subject to change without prior notice R4/01/21											
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL						
120	0.50A	50	50	67-111V	0.45A	NU450C50WSDIM						
277	0.22A	58	50									

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 60W 0-10V Dimming Output Range 80V to 133V Constant Current 450mA Max 60W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 80V to 133V for Single circuit 60W maximum.

### **Technical Specification:**

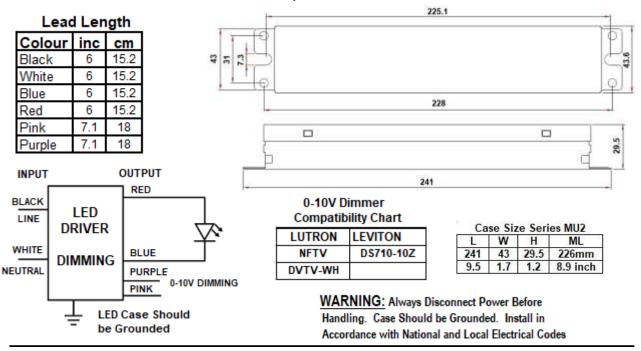
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series MU2

Due to continuing e	ue to continuing efforts to offer improved products all specifications are subject to change without prior notice 5/10/20										
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL					
120	0.61A	60	60	80 to 133V	0.45A	NU450C60WSDIM					
277	0.26A	68									

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\dot{Z}^{age}_{ighting \ ltd.}$ 

# LED DRIVER 75W 0-10V Dimming

## Output Range 100V to 166V Constant Current 450mA Max 75W

Universal Voltage 120-277V Electronic Constant Current 450mA LED Driver 0-10V Dimming. Output Range of 100V to 166V for Single circuit 75W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

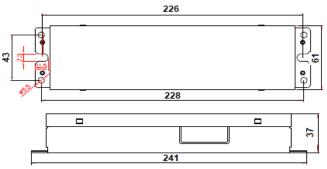
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

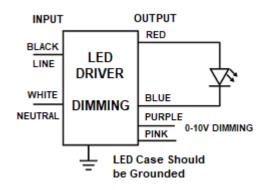
		INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-:	277V	1.45A - 0.64A	85	75	100 to 166V	0.45A	NU450C75WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	Len	gth		0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1	LUTRON			LEVITON	
Black	6	15.2		NFTV			DS710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2						
Red	6	15.2		Ca			ries FS3	
Pink	7.1	18		L	W	H	ML	
Purple	7.1	18		241 9.5	61 2.4	37	226mm 8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 30W 0-10V Dimming

Output Range 36V to 60V Constant Current **500mA** Max **30W** 

Compact Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 30W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%	
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ	
Output Open/Short Pi	otection	THD:	< 20%	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90	
Max. Case Temp: Typical Efficiency:	90° C 83%	Remote Wiring Distance Full Load: 18AWG -18 ft		
Typical Enciency:	63%			

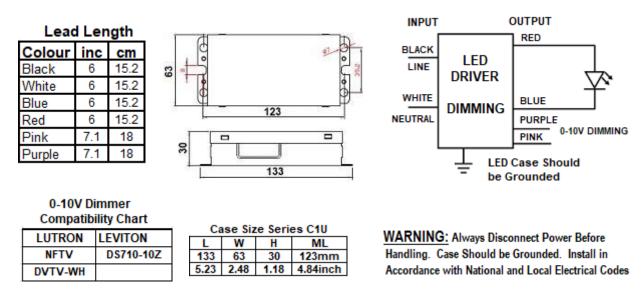
### Case Size: Series C1U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.50A	36	30	36 to 60V	0.5A	NU500C30WSD
277	0.22A	- 30				

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 40W 0-10V Dimming

Output Range 46V to 77V Constant Current 520mA Max 40W

Compact Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 46V to 77V for Single circuit 40W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series C1U

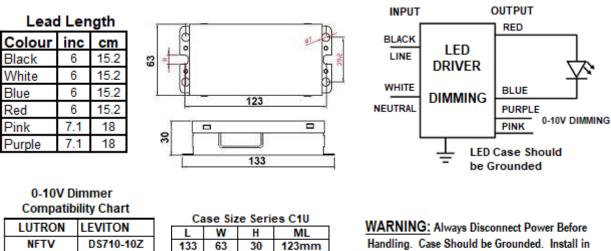
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.5A	47	40	46 to 77V	0.52A	NU520C40WSD
277	0.22A	47				

### LIMITED WARRANTY

DVTV-WH

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



1.18 4.84inch

Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

5.23 2.48



## LED DRIVER 150W 0-10V Dimming

## Output Range 170V to 283V Constant Current **530mA** Max **150W**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 170V to 283V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ft

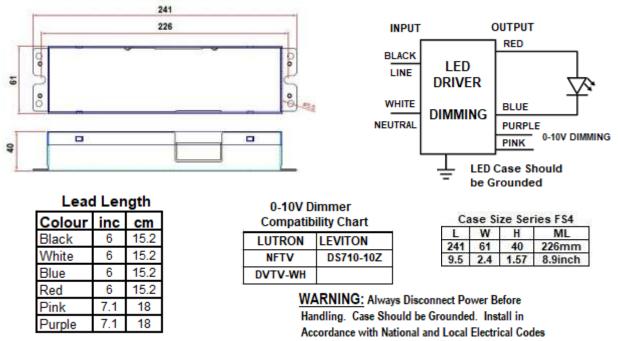
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

`	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
12	20V-277V	1.78A - 0.78A	168	150	170 to 283V	0.53A	NU530C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 40W 0-10V Dimming

Output Range 43V to 72V Constant Current 550mA Max 40W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 43V to 72V for Single circuit 40W maximum.

## **Technical Specification:**

**UL, CUL Recognized, ROHS Compliant** EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: **Typical Efficiency:** 86%

Input Voltage range: +10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% **Power Factor Min:** 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

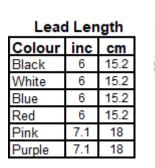
### Case Size: Series C1U

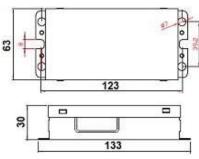
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

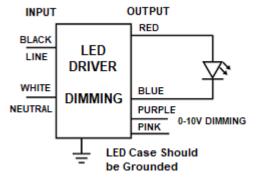
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.50A	47	40	43 to 72V	0.55A	NU550C40WSD
277	0.22A	47	40	43 10 7 2 8	0.55A	1005500400050

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







0-10V Dimmer Compatibility Chart

	Case Size Series C1U						
LUTRON	LEVITON	Case Size Series CTU					
LUTRON	LEVITON		L	W	н	ML	
NFTV	D\$710-10Z		133	63	30	123mm	
DVTV-WH			5.23	2.48	1.18	4.84inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 73W 0-10V Dimming

Output 75V to 125V Constant Current 580mA Max 73W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 75V to 125V for Single Output circuit 73W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

0.42A

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

0.58

### Case Size: Series MU2

NU580C73WSD

ļ	Due to continuing e	efforts to offer impr	oved products all spe	cifications are subject	to change without prior	notice	
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	1 0A					

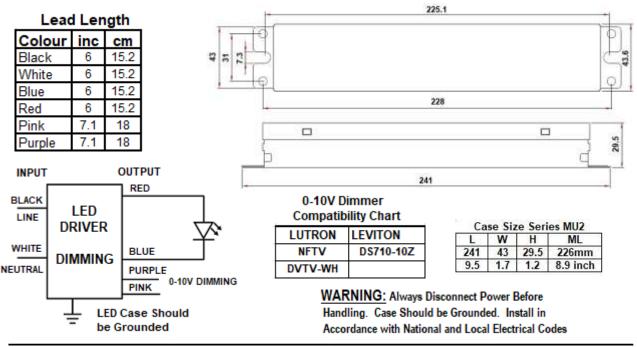
73

#### LIMITED WARRANTY

277

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

75 to 125V



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

83

Èighting ltd.

# LED DRIVER 180W 0-10V Dimming

## Output Range 166V to 277V Constant Current 650mA Max 180W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 166V to 277V for Single circuit 180W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ft

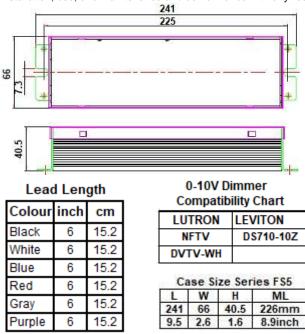
### Case Size: Series FS5

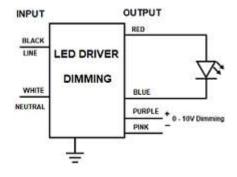
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	200	180	166 to 277V	0.7A	NU650C180WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{L}^{age}_{ighting \, ltd.}$ 

## LED DRIVER 25W 0-10V Dimming

Output Range 22V to 36V Constant Current 700mA Max 25W

Slim Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 25W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG - 18 ft

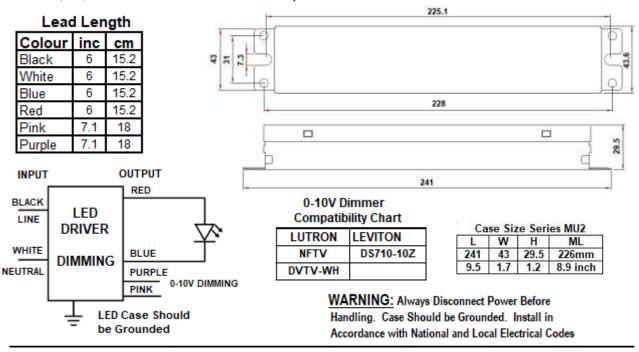
### Case Size: Series MU2

Due to continuing efforts to offer imp	proved products all specifications are	subject to change without prior notice
Bao to containaing onor to to onor imp	provod producto an opocilicatione are	oubjeet te enange maleat phot neace

INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.40A	20	25	22 to 261/	0.74	NU700C25WSD
277	0.17A	30	25	22 to 36V	0.7A	NU700C23W3D

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 30W 0-10V Dimming

Output Range 25V to 42V Constant Current 700mA Max 30W

Slim Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 30W maximum.

## **Technical Specification:**

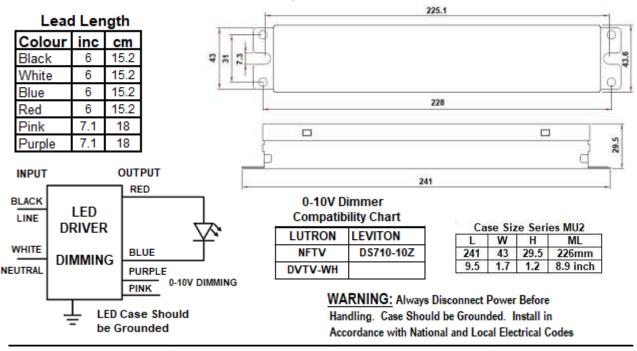
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< <b>20</b> %
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	oad: 18AWG - 18 ft
Typical Efficiency: 82%		

### Case Size: Series MU2

Dι	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/7/17									
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
	120	0.44A	37	20	25 to 42V	0.7A	NU700C30WSDIM			
	277	0.19A		30						

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 42W 0-10V Dimming

Output Range 36V to 60V Constant Current 700mA Max 42W

Slim Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 42W maximum.

## **Technical Specification:**

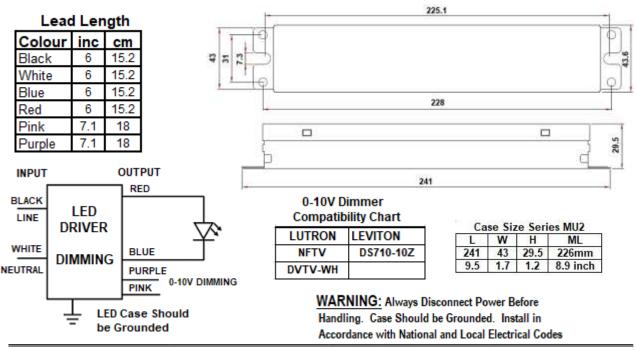
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/1/20									
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
120	0.4A	47	40	36 to 60V	0.7A	NU700C42WRSDIM			
277	0.175A	47	42	30 10 60 0	0.7A				

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

## LED DRIVER 42W 0-10V Dimming

Output Range 36V to 60V Constant Current 700mA Max 42W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 42W maximum.

## **Technical Specification:**

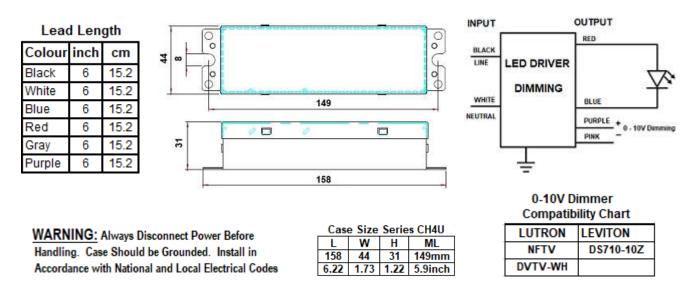
Class 2 UL, CUL Recognized,	, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry		Input Frequency:	50/60HZ
Output Open/Short Protect	tion	THD:	< 20%
Min. Starting Temp: - 40	° C	Power Factor Min:	0.90
Max. Case Temp: 90°	С	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency: 84%	)		

### Case Size: Series C4S

D	ue to continuing e	fforts to offer improved	d products all speci	fications are su	ubject to change wit	hout prior notice	6/1/20
	INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	40	0.44A	50	20 to 001	0.7A	NU700C42WSDIM
	277	42	0.19A	52	36 to 60V	0.7A	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 60W 0-10V Dimming Output Range 60V to 86V Constant Current 700mA Max 60W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 60V to 86V for Single circuit 60W maximum.

### **Technical Specification:**

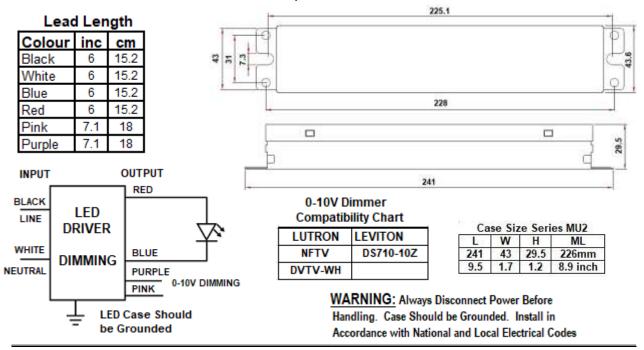
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft Typical

### Case Size: Series MU2

Due to continuin	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice											
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL						
120	0.61A	68	60	60 to 86V	0.7A	NU700C60WSD						
277	0.26A	00	00	00 10 80 0	0.7A	NUTUUCOUWSD						

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  (id.

## LED DRIVER 75W 0-10V Dimming Output Range 64V to 107V Constant Current 700mA Max 75W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 64V to 107V for Single Output circuit 75W maximum.

### **Technical Specification:**

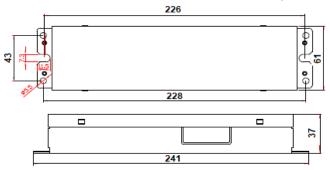
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series FS3

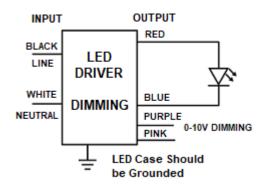
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.68A	00	75	$64 \pm 107 1$	0.74	NU700C75WSD
277	0.3A	83	75	64 to 107V	0.7A	N0700C75W5D

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead		0-10V Dimmer Compatibility Chart								
Colour inc cm			1	LUTRON			LEVITON			
Black	6	15.2		NETV			DS710-10Z			
White	6	15.2		DVTV-WH		-				
Blue	6	15.2								
Red	6	15.2		Ca		ze S	Seri	es FS3		
Pink	7.1	18					1	ML 226mm		
Purple	7.1	18		9.5	61 2.4	3	46	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 100W 0-10V Dimming

Output 85V to 143V Constant Current 700mA Max 100W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 85V to 143V for Single Output circuit 100W maximum.

## **Technical Specification:**

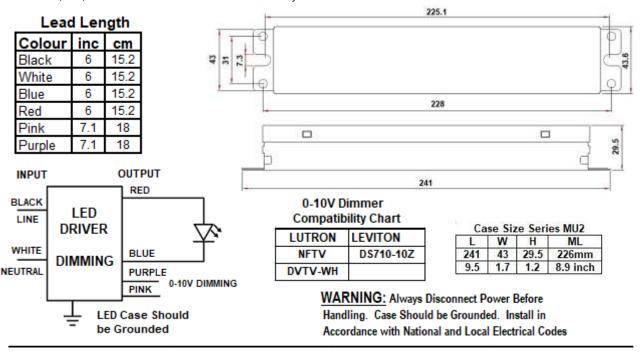
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 92% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

### Case Size: Series MU2

Due to continuing e	efforts to offer impro	oved products all spec	cifications are subject t	o change without prior	notice 3/	5/23	
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.0A	108	100	85 to 143V	0.7	NU700C100WSDIM	
277	0.42A	106	100	65 IU 143V	0.7	NO700C100W3DIW	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 120W 0-10V Dimming

## Output Range 103V to 171V Constant Current 700mA Max 120W

Universal Voltage 120-277V Electronic Constant Current 700mA LED Driver 0-10V Dimming. Output Range of 103V to 171V for Single circuit 120W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

a ta continuina offerta ta offer improved producto -11 enceiticatione are subject to change without prior r

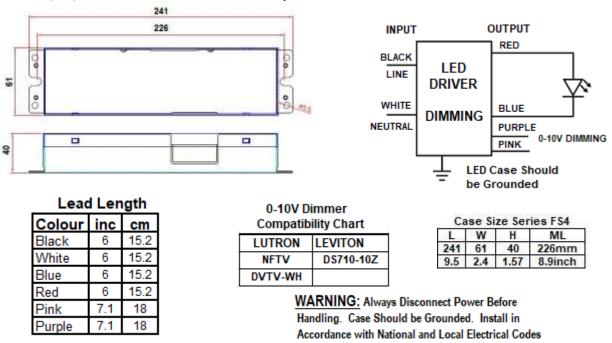
Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series FS4

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	166	150	103 to 171V	0.7A	NU700C120WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 150W 0-10V Dimming

## Output Range 128V to 214V Constant Current 700mA Max 150W

Universal Voltage 120-277V Electronic Constant Current 700mA LED Driver 0-10V Dimming. Output Range of 128V to 214V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance F	ull Load: 18AWG -18 ft

5/4/22

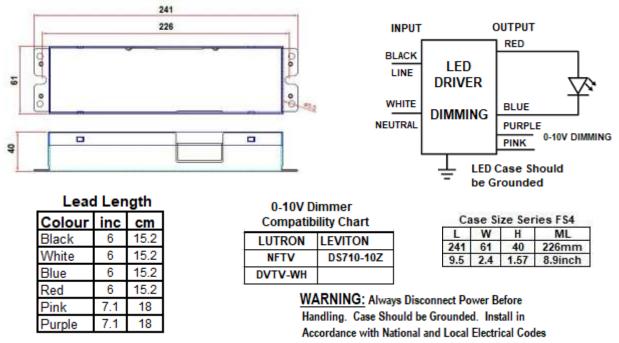
### Case Size: Series FS4

Due to continuing offents to offen increased	man deside 11 and alf and and and and	
Due to continuing efforts to offer improved	broducts all specifications are su	DIECT TO CHANGE WITHOUT DRIOF NOTICE
	producte an opcomoditorio are ca	sjeet te enange maneat pher neaee

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	166	150	128 to 214V	0.7A	NU700C150WSDIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 200W 0-10V Dimming

## Output Range 171V to 285V Constant Current 700mA Max 200W

Universal Voltage 120-277V Electronic Constant Current 700mA LED Driver 0-10V Dimming. Output Range of 171V to 285V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 93% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG- 18 ft

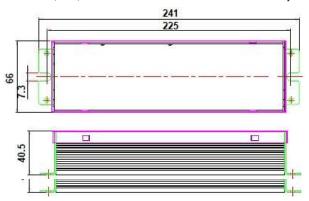
### Case Size: Series FS5

<b>D</b> <i>i i i i i i i i i i</i>	1 1 11 16 11 1	
Due to continuing efforts to offer improved	nroducts all eneritications are sur	Nect to change without prior notice

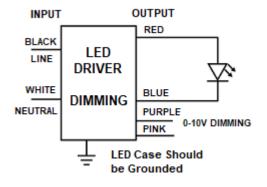
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	215	200	171 to 285V	0.7A	NU700C200WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Len		0-10V Dimmer Compatibility Chart						
Colour inc cm			LUTRON			LEVITON		
6	15.2		NFTV		DS710-10Z			
6	15.2		DVTV-WH		ł			
6	15.2		8553	a segres				
6	15.2		Ca	ise Si	ze	Ser	ies FS5	
-			L	W	1	H	ML	
7.1	18		241	66	40	).5	226mm	
7.1	18		9.5	2.6	1	.6	8.9inch	
	inc 6 6 6 7.1	6     15.2       6     15.2       6     15.2       6     15.2       7.1     18	inc         cm           6         15.2           6         15.2           6         15.2           6         15.2           7.1         18	Length         Co           inc         cm         LU           6         15.2         N           6         15.2         DV1           6         15.2         LU           6         15.2         DV1           6         15.2         L           7.1         18         241	Length         Comparing           inc         cm         LUTRON           6         15.2         NFTV           6         15.2         DVTV-With           6         15.2         Case Si           6         15.2         L           6         15.2         L           7.1         18         241	Length         Compatibi           inc         cm         LUTRON           6         15.2         NFTV           6         15.2         DVTV-WH           6         15.2         L           6         15.2         L           6         15.2         L           7.1         18         241	Length         Compatibility           inc         cm         LUTRON         LEV           6         15.2         NFTV         DS           6         15.2         DVTV-WH         Case Size Ser           6         15.2         L         W         H           7.1         18         241         66         40.5	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 34W 0-10V Dimming

## Output Range 25V to 42V Constant Current 800mA Max 34W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 34W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** - 40° C Min. Starting Temp: Max. Case Temp: 90° C Typical Efficiency: 85%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	h: 18AWG -18 ft

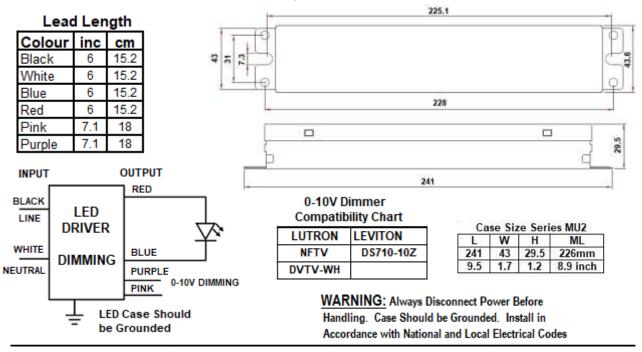
### Case Size: Series MU2

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	40	34	25 to 42V	0.8A	NU800C34WSD
277	0.34A	40	34	25 10 42 V	0.6A	NU800C34W3D

### - Second and the second sec

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

## LED DRIVER 34W 0-10V Dimming

## Output Range 25V to 42V Constant Current 800mA Max 34W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 34W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ftBottom Mount Studs

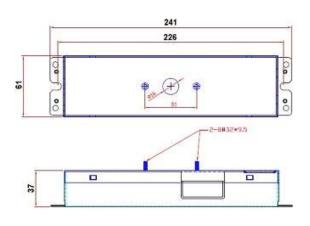
Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

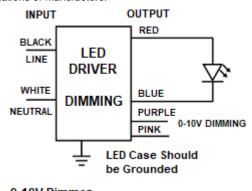
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	40	24	25 to 42V	0.8A	NU800C34WSBD
277	0.34A	40	34	25 10 42 0	0.0A	N0000C34W3BD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series FS3								
L W H ML								
241	61	37	226mm					
9.5	2.4	1.46	8.9inch					

Lead Length						
Colour	inc	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				
Pink	7.1	18				
Purple	7.1	18				

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com  $\overset{Aage}{L}_{ighting}$  (td.

# LED DRIVER 72W 0-10V Dimming

## Output Range 48V to 80V Constant Current 900mA Max 72W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 48V to 80V for Single circuit 72W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
<b>Remote Wiring Distance Full</b>	Load: 18AWG -18 ft

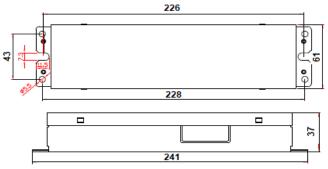
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

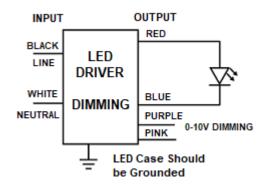
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	04	72	19 to 90\/	0.04	
277	0.34A	84	12	48 to 80V	0.9A	NU900C72WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart					
Colour	inc	cm	1	LU	TRON	LE	LEVITON		
Black	6	15.2			FTV	_	D\$710-10Z		
White	6	15.2		DVTV-WH		-			
Blue	6	15.2							
Red	6	15.2		Case Size Series FS3					
	7.1	18		L	W	Н	ML		
Pink	1.1	10		241	61	37	226mm		
Purple	7.1	18		9.5	2.4	1.46	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 200W 0-10V Dimming

## Output Range 120V to 200V Constant Current 1000mA Max 200W

Universal Voltage 120-277V Electronic Constant Current 1000mA LED Driver 0-10V Dimming. Output Range of 120V to 200V for Single circuit 200W maximum.

### **Technical Specification:**

Class 1 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full L	oad: 18AWG - 18 ft
Typical Efficiency: 93%		

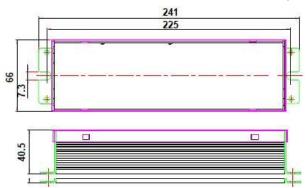
### Case Size: Series FS5

<b>D</b> · · · · · · · · · · · · · · · · · · ·		10 11 11		
I IIIA TO CONTINUINO ATTORTS TO OT	ar improvad products all	enacificatione are el ini	ject to change without prior notice	<u>د</u>
Due to continuing chorts to on	or improved produces an	specifications are subj	polito change without phot house	

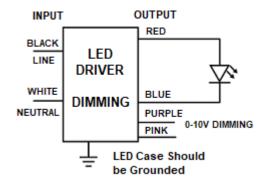
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	215	200	120 to 200V	1.0A	NU1000C200WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	_		)-10V mpa	_		er Chart	
Colour	inc	cm		LUTRON			LEVITON		
Black	6	15.2		NFTV			D\$710-10Z		
White	6	15.2		DVTV-WH					
Blue	6	15.2		8223	10.54502		wares	100000000	
Red	6	15.2		Ca	ise Si	ze	Ser	ies FS5	
	-			L	W	H	1	ML	
Pink	7.1	18		241	66	40	.5	226mm	
Purple	7.1	18		9.5	2.6	1.	6	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 14W 0-10V Dimming

Output Range 9V to 13V Constant Current 1050mA Max 14W

Small Case Size Side Leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 9V to 13V for Single Output circuit 14W maximum. Dimming Range 10-100%.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Lo	ad: 18AWG -18 ft
Typical Efficiency: 66%		

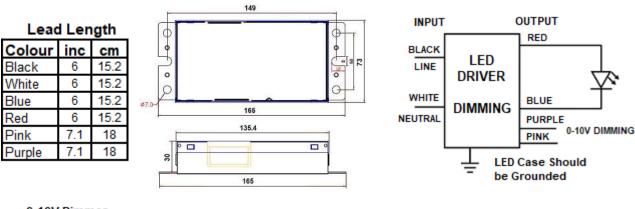
### Case Size: Series C4S

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.27A	21	14	9 to 13V	1.05A	NU1050C14WSD
277	0.11A	21	14	910130	1.05A	NU1050C14W5D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



#### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON	Cas	se Size	e Seri	es C4S
NETH	00740 407	L	w	H	ML
NFTV	D\$710-10Z	165	73	30	149mm
DVTV-WH		6.5	2.87	1.18	5.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}^{age}_{ighting \ ltd.}$ 

# LED DRIVER 60W 0-10V Dimming

## Output Range 34V to 57V Constant Current 1050mA Max 60W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 34V to 57V for Single circuit 60W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full La	oad: 18AWG -18 ft

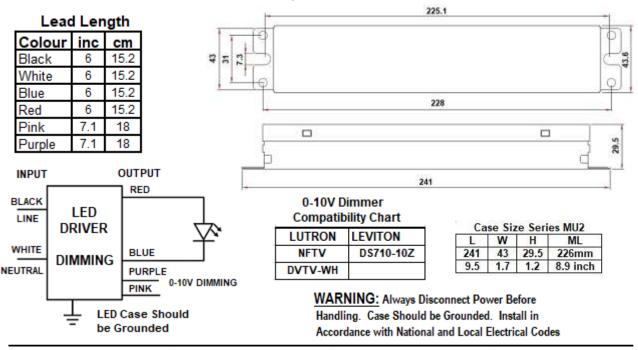
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.61A	69	60	34 to 57V	1.05.4	NU1050C60WSDIM
277	0.26A	68	60	34 10 57 V	1.05A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 62W 0-10V Dimming

## Output Range 39V to 65V Constant Current 1050mA Max 62W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 39V to 65V for Single circuit 62W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG-18 ft

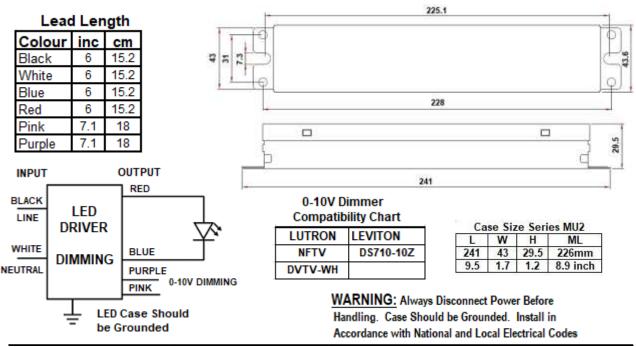
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	72	62	39 to 65V	1.05A	NU1050C62WSD
277	0.34A	12	02	3910037	1.05A	NU1030C02W3D

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

## LED DRIVER 84W 0-10V Dimming

## Output Range 48V to 80V Constant Current 1050mA Max 84W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 48V to 80V for Single circuit 84W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	II Load: 18AWG -18 ft

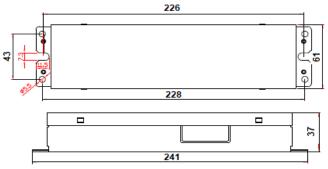
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

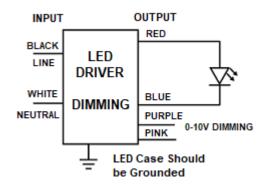
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	05	0.4	10 to 00\/	1.05.0	NU1050C84WSD
277	0.34A	95	84	48 to 80V	1.05A	NU1050C64W5D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart					
Colour	inc	cm	1	LU	TRON	LE	LEVITON		
Black	6	15.2			FTV	_	D\$710-10Z		
White	6	15.2		DV	TV-W	-			
Blue	6	15.2							
Red	6	15.2		Ca	se Si	ze Ser	ies FS3		
	7.1	18		L	W	Н	ML		
Pink	1.1	10		241	61	37	226mm		
Purple	7.1	18		9.5	2.4	1.46	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 100W 0-10V Dimming

## Output Range 58V to 96V Constant Current **1050mA** Max **100W**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 58V - 96V for Single circuit 100W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

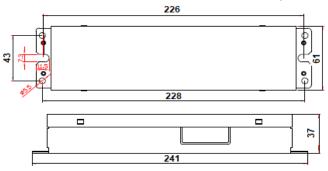
### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

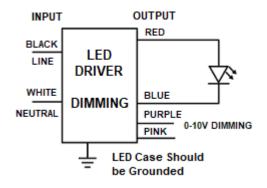
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.2A	114	100	59 to 061/	1.05.4	NU1050C100WSDIM
277	0.52A	114	100	58 to 96V	1.05A	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart					
Colour	inc	cm	1	-			LEVITON		
Black	6	15.2		NFTV			D\$710-10Z		
White	6	15.2		DVTV-WH					
Blue	6	15.2							
Red	6	15.2		Ca	se Si	ze S	eri	ies FS3	
Pink	7.1	18		L	W	H	_	ML	
Purple	71	18		241 61				226mm	
Fulple	1.1	10		9.5	2.4	1.4	0	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 150W 0-10V Dimming

## Output Range 86V to 143V Constant Current 1050mA Max 150W

Universal Voltage 120-277V Electronic Constant Current 1050mA LED Driver. 0-10V Dimming. Output Range of 86V to 143V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

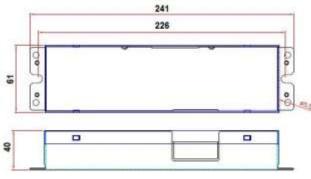
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG - 18 ft

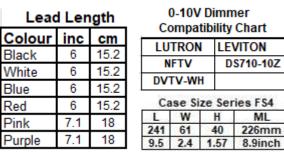
### Case Size: Series FS4

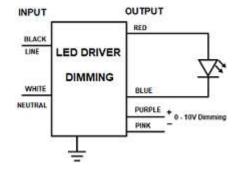
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	170	150	86 to 143V	1.05A	NU1050C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes.

 $\hat{Z}_{ighting}^{age}$  (1d.

## LED DRIVER 200W 0-10V Dimming

## Output Range 114V to 190V Constant Current 1050mA Max 200W

Universal Voltage 120-277V Electronic Constant Current 1050mA LED Driver 0-10V Dimming. Output Range of 114V to 190V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ftSurge:2KV

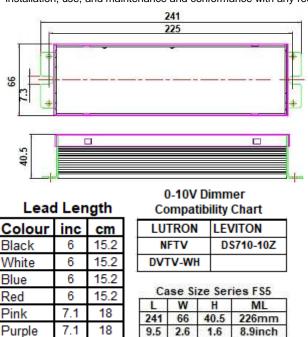
Case Size: Series FS5

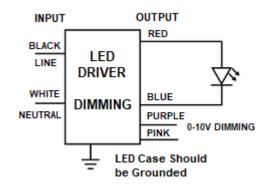
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	225	200	114 to 190V	1.05A	NU1050C200WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 44W 0-10V Dimming

## Output Range 24V to 40V Constant Current **1100mA** Max **44W**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 44W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognize	d, ROHS Compliant
EMI FCC Part 15, Class	Α
Rating: IP 65 Damp, Dry	<b>y</b>
Output Open/Short Prote	ection
Min. Starting Temp: - 4	40° C
Max. Case Temp: 90	° C
Typical Efficiency: 86	6%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full L	_oad: 18AWG -18 ft

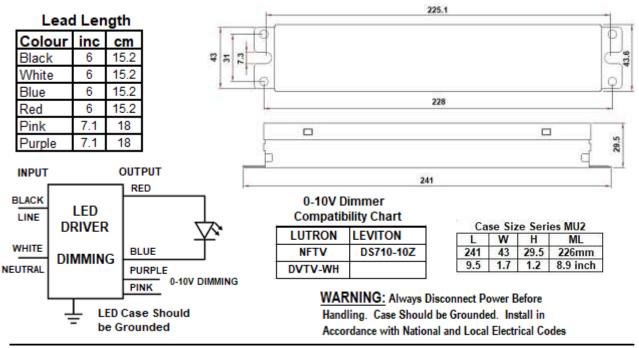
### Case Size: Series MU2

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.60A	51	44	24 to $40V$	1 1 0	NU1100C44WSD
277	0.26A	51	44	24 to 40V	1.1A	NOT100C44W3D

### 

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\sum_{ighting}^{age}$ lid.

# LED DRIVER 115W 0-10V Dimming

## Output Range 58V to 96V Constant Current 1200mA Max 115W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 58V to 96V for Single Output circuit 115W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

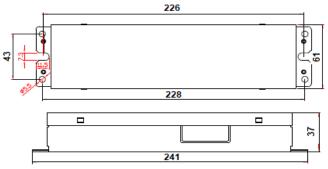
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	1: 18AWG -18 ft

### Case Size: Series FS3

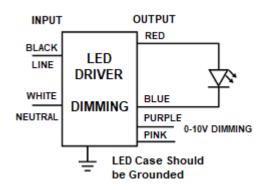
Due to continuing	g efforts to offer imp	roved products	all specifications are	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice									
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL							
120	1.2A	120	130	115	58 to 96V	1.2A	NU1200C115WSDIM						
277	0.52A	130	115	2010 901	1.2A	NUTZUUCTTSWSDIW							

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart						
Colour inc cm		1	LUTRON			LEVITON				
Black	6	15.2		NETV			D\$710-10Z			
White	6	15.2		DVTV-WH		•				
Blue	6	15.2				-				
Red	6	15.2		Case Size Series FS3						
Pink	7.1	18		L	W	H 37		ML 226mm		
Purple	7.1	18		241 9.5	61 2.4	~	6	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 52W 0-10V Dimming

## Output Range 25V to 42V Constant Current 1240mA Max 52W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 52W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant					
EMI FCC Part 15, Class A					
Rating: IP 65 Damp, Dry					
Output Open/Short Protection					
Min. Starting Temp: - 40° C					
Max. Case Temp: 90° C					
Typical Efficiency: 80%					

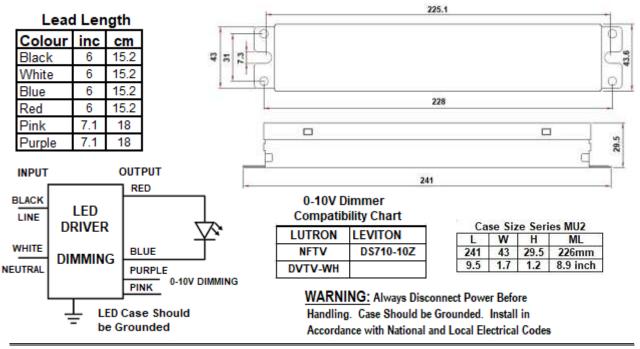
Input Voltage range:	<u>+</u> 10%			
Output Load range	<u>+</u> 5%			
Input Frequency:	50/60HZ			
THD:	< 20%			
Power Factor Min:	0.90			
Remote Wiring Distance Full Load: 18AWG -18 ft				

#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/1/15							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.54A	65	52	25 to 42V	1.24A	NU1240C52WSDIM	
277	0.24A	00	52	25 10 42 0	1.24A	NO 1240C32W3DIW	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 15W 0-10V Dimming

Output Range 7V to 12V Constant Current **1260mA** Max **15W** 

Small Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 7V to 12V for Single circuit 15W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recogr	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short Pr	otection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	83%		

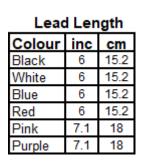
#### Case Size: Series C1U

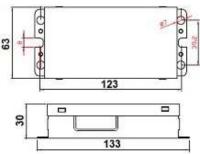
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

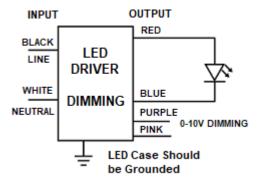
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.41A	18	15	7 to 12V	2V 1.26A	NU1260C15WSD
277	0.18A	10	15	7 10 120		NU1200C15W3D

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







0-10V Dimmer Compatibility Chart

LUTRON

NFTV

DVTV-WH

inty chart	<ul> <li>Case Size Series C<sup>4</sup></li> </ul>			ee C1II	
LEVITON					
DS710-10Z	133	63	30	123mm	
	5.23	2.48	1.18	4.84inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 150W 0-10V Dimming

## Output Range 69V to 115V Constant Current 1300mA Max 150W

Universal Voltage 120-277V Electronic Constant Current 1300mA LED Driver. 0-10V Dimming. Output Range of 69V to 115V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

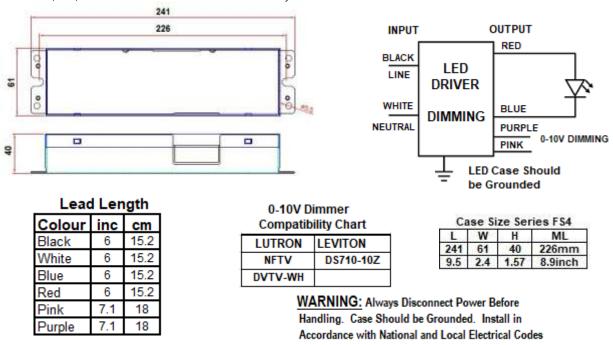
#### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	170	150	69 to 115V	1.3A	NU1300C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 52W 0-10V Dimming

## Output Range 22V to 37V Constant Current 1400mA Max 52W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 37V for Single circuit 52W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** - 40° C Min. Starting Temp: Max. Case Temp: 90° C **Typical Efficiency:** 86%

Input Voltage range: + 10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

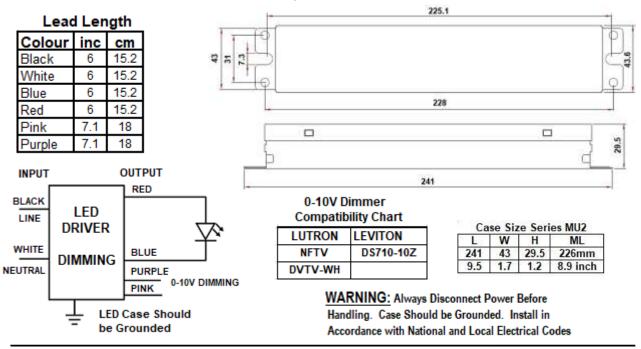
#### Case Size: Series MU2

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.6A	60	50	22  to  27  //	1.4A	NU1400C52WSD
277	0.26A	60	52	22 to 37V		N01400C52WSD

a ferrar and a set of the set of

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

## LED DRIVER 60W 0-10V Dimming

## Output Range 26V to 43V Constant Current 1400mA Max 60W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 26V to 43V for Single circuit 60W maximum.

### **Technical Specification:**

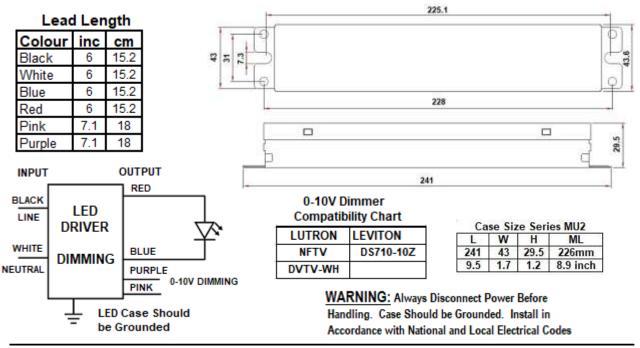
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

#### Case Size: Series MU2

Due to continuing e	5/11/21					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.60A	69	60	26 to 43V	1.4A	NU1400C60WSD
277	0.26A	68	60	2010430		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 ${old T}_{ighting}^{age}$  ltd.

## LED DRIVER 150W 0-10V Dimming

## Output Range 64V to 107V Constant Current 1400mA Max 150W

Universal Voltage 120-277V Electronic Constant Current 1400mA LED Driver. 0-10V Dimming. Output Range of 64V to 107V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

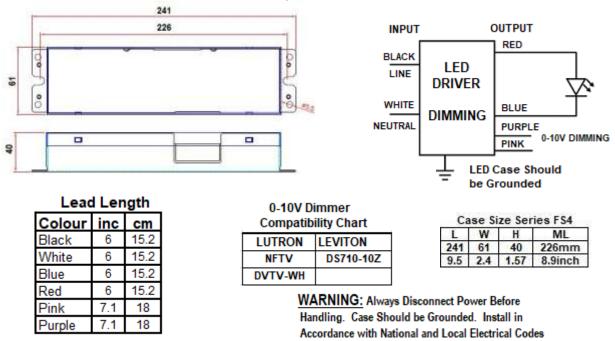
#### Case Size: Series FS4

Due to continuing effort	s to offer improved pro	ducts all spec	ifications are subject	to change without prior	r notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	170	150	64 to 107V	1.4A	NU1400C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 200W 0-10V Dimming

## Output Range 86V to 143V Constant Current 1400mA Max 200W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 86V to 143V for Single circuit 200W maximum.

### **Technical Specification:**

Class 1 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 93%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG - 18 ft

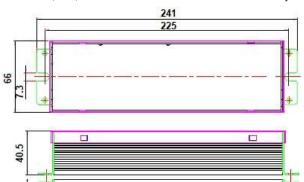
#### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

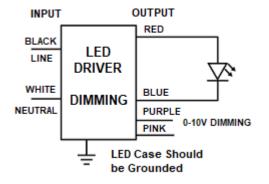
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	215	200	86 to 143V	1.4A	NU1400C200WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer			
inc	cm	-	-		LEVITON		
6	15.2	_					S710-10Z
6	15.2	-			5710-102		
6	15.2	2000	2020-0422/09082910				
6	15.2	C	ase Si	ze Se	10.000 C C C C C C C C C C C C C C C C C		
74		L	W	Н	ML		
1.1	18	241	66	40.5	226mm		
7.1	18	9.5	2.6	1.6	8.9inch		
	inc 6 6 6 7.1	inc         cm           6         15.2           6         15.2           6         15.2           6         15.2           7.1         18	inc         cm         Cd           6         15.2         N           6         15.2         DV           6         15.2         DV           6         15.2         L           7.1         18         241	Inc         cm         Comparing           6         15.2         LUTRON           6         15.2         NFTV           6         15.2         DVTV-WH           6         15.2         Case Si           6         15.2         L           6         15.2         L           6         15.2         L           7.1         18         241	Inc         cm         Compatibility           6         15.2         NFTV         D           6         15.2         DVTV-WH         DVTV-WH           6         15.2         L         W         H           7.1         18         241         66         40.5		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}_{ighting}^{age}$  ltd.

## LED DRIVER 36W 0-10V Dimming

## Output Range 15V to 24V Constant Current 1500mA Max 36W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 15V to 24V for Single circuit 36W maximum.

### **Technical Specification:**

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG-18 ft

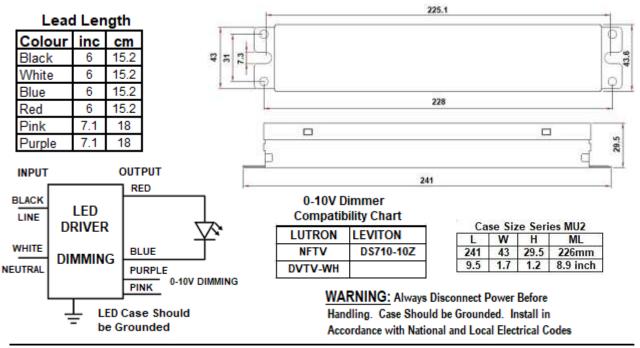
#### Case Size: Series MU2

	Due to continuing efforts to offer improved	products all specifications	are subject to change without prior notice
--	---	-----------------------------	--

INPUT VOLTAGE	INPUT CURRENT	INPUT POWER WATTS MAX	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.61A	42	36	15 to 24V	1.5A	NU1500C36WSD
277	0.27A	42	30	15 10 24 V	I.5A	NO1500C36W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  (id.

## LED DRIVER 39W 0-10V Dimming

Output Range 16V to 26V Constant Current 1500mA Max 39W

Compact Case Size with Side Exit leads

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 16V to 26V output Constant Current for Single circuit 39W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%	
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ	
Output Open/Short Pr	rotection	THD:	< 20%	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.9	
Max. Case Temp: 90° C		Remote Wiring Distance Full Load: 18AWG - 18 f		
Typical Efficiency:	87%			

Case Size: Series C1U

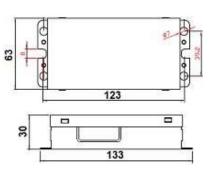
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

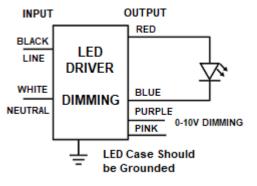
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
ſ	120	0.58A	45	45	20	16 to 26\/	1 5 4	NU1500C39WSD
	277	0.25A		39	39 16 to 26V	1.5A	NU1500C39W5D	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







0-10V Dimmer Compatibility Chart

	ing onare	Case Size Series C1U				
LUTRON	LEVITON		L	W	Н	ML
NFTV	D\$710-10Z		133	63	30	123mm
DVTV-WH			5.23	2.48	1.18	4.84inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

## **120V-277V LED DRIVER 60W 0-10V Dimming** Output Range 24V to 40V Constant Current **1500mA** Max **60W**

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 60W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86%

# Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

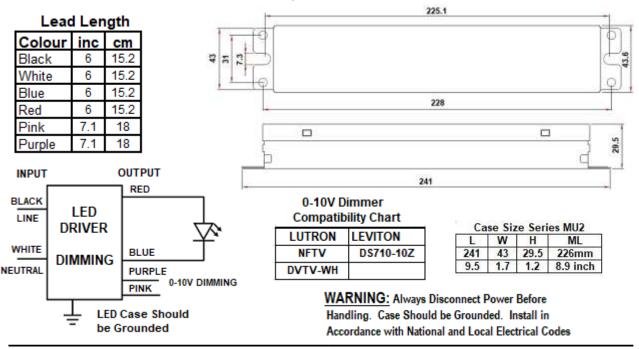
#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.60A	70	70	70	60	24 to 40V	1.5A	NU1500C60WRSD
277	0.26A		60	24 10 40 V	1.5A	NUISUUCOUWRSD		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 78W 0-10V Dimming

## Output Range 31V to 52V Constant Current 1500mA Max 78W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 31V to 52V for Single circuit 78W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	gnized, ROHS Compliant	Input
EMI FCC Part 15, C	Class A	Outp
Rating: IP 65 Damp,	Dry	Input
Output Open/Short P	Protection	THD:
Min. Starting Temp:	- 40° C	Powe
Max. Case Temp:	90° C	Remo
Typical Efficiency:	88%	

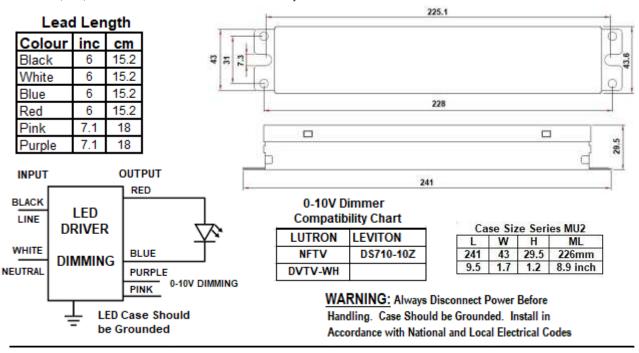
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Lo	ad: 18AWG -18 ft

#### Case Size: Series MU2

[	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice								
	INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
	120	0.79A	90	90	78	31 to 52V	1.5A	NU1500C78WSD	
Ī	277	0.34A		70	51 10 52 0	1.5A	11015000700050		

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

## LED DRIVER 150W 0-10V Dimming

## Output Range 60V to 100V Constant Current 1500mA Max 150W

Universal Voltage 120-277V Electronic Constant Current LED Driver. 0-10V Dimming. Output Range of 60V to 100V for Single circuit 150W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG - 18 ft

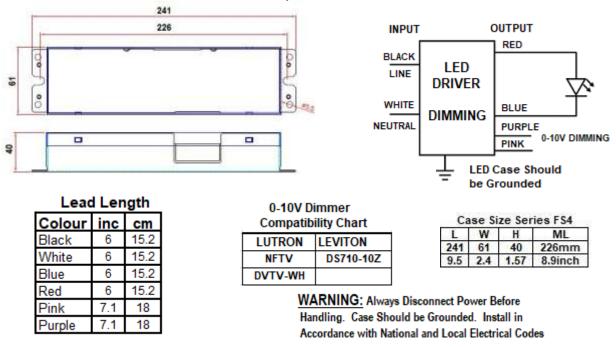
#### Case Size: Series FS4

Due to continuing efforts to offe	11 ملمناه محمد المحديد معمد معاد	an a sifi a stie was and such is a	
The to continuing eitoris to one	er improved producis an	specifications are subject	LIO CHANDE WIINDUI DHOF NOIICE

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	170	150	60 to 100V	1.5A	NU1500C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 58W 0-10V Dimming

## Output Range 21V to 36V Constant Current 1600mA Max 58W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 21V to 36V for Single circuit 58W maximum.

### **Technical Specification:**

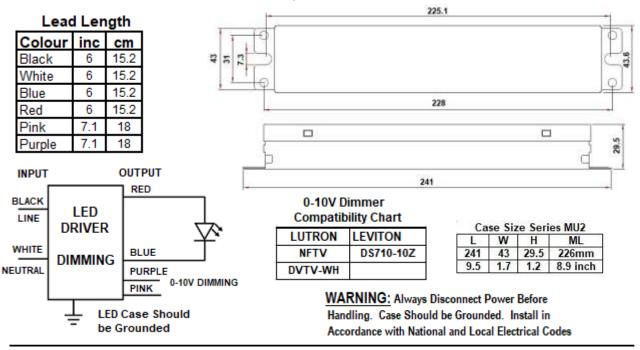
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series MU2

Du	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice							
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	120	0.86A	69	50	21 to 261/	1.6A		
	277	0.38A	68	58	21 to 36V	1.0A	NU1600C58WSD	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Pighting ltd.

## LED DRIVER 67W 0-10V Dimming

## Output Range 25V to 42V Constant Current 1600mA Max 67W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 67W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	
EMI FCC Part 15, Class A	
Rating: IP 65 Damp, Dry	
Output Open/Short Protection	
Min. Starting Temp: - 40° C	
Max. Case Temp: 90° C	
Typical Efficiency: 87%	

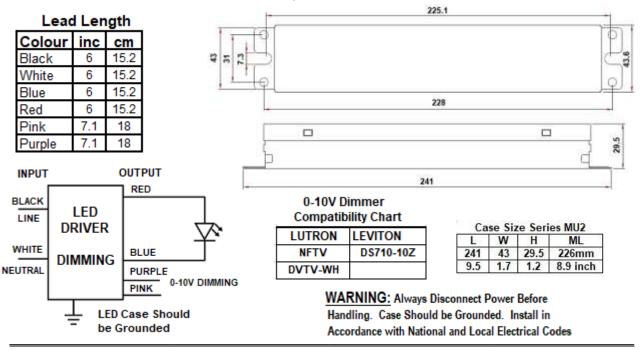
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
<b>Remote Wiring Distance Full</b>	Load: 18AWG -18 ft

#### Case Size: Series MU2

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.79A	76	67	25 to 42V	1.6A	NU1600C67WSD		
277	0.30A	70	07	2010420	1.0A	NUTBOUCOTWSD		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 91W 0-10V Dimming Output Range 40V to 58V Constant Current 1600mA Max 91W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 40V to 58V for Single Output circuit 91W maximum.

### **Technical Specification:**

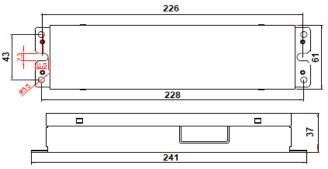
UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency: 89%		

#### Case Size: Series FS3

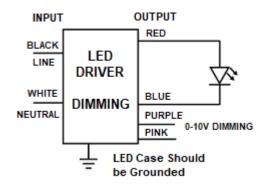
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/6/17							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.86A	104	91	40 to 58V	1.6A	NU1600C91WSDIM	
277	0.38A	104	91	4010 587	1.0A	NUTOUC9TWSDIM	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	Ler	gth		0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1	LU	TRON	L	ΕV	ITON
Black	6	15.2		NFTV		_	D\$710-10Z	
White	6	15.2		DVTV-WH		_		
Blue	6	15.2						
Red	6	15.2		Case Size Series FS3				
Pink	71	18		L	W	Н		ML
FIIIK	1.1	10		241	61	37		226mm
Purple	7.1	18		9.5	2.4	1.46	6	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 65W 0-10V Dimming

## Output Range 24V to 40V Constant Current 1630mA Max 65W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 65W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 85%

Input Voltage range:	<u>+</u> 10%		
Output Load range	<u>+</u> 5%		
Input Frequency:	50/60HZ		
THD:	< 20%		
Power Factor Min:	0.90		
Remote Wiring Distance Full Load: 18AWG -18 ft			

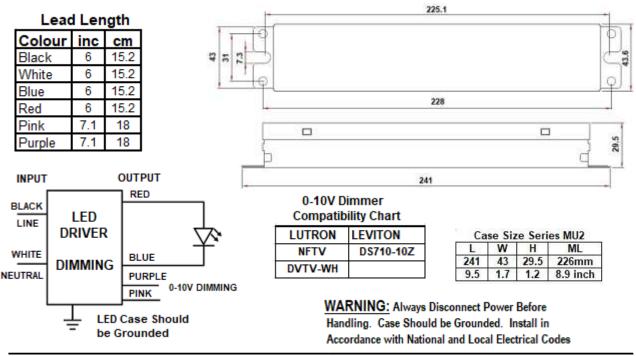
#### Case Size: Series MU2

|--|

	INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
ĺ	120	0.79A	76	65	24 to 40V	1.63A	NU1630C65WSD
	277	0.30A	70	05	24 10 40 V	1.05A	101030603443D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\dot{Z}^{age}_{ighting \, ltd.}$ 

## LED DRIVER 75W 0-10V Dimming

## Output Range 26V to 44V Constant Current 1700mA Max 75W

Universal Voltage 120-277V Electronic Constant Current 1700mA LED Driver 0-10V Dimming. Output Range of 26V to 44V for Single circuit 75W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Fu	II Load: 18AWG -18 ft

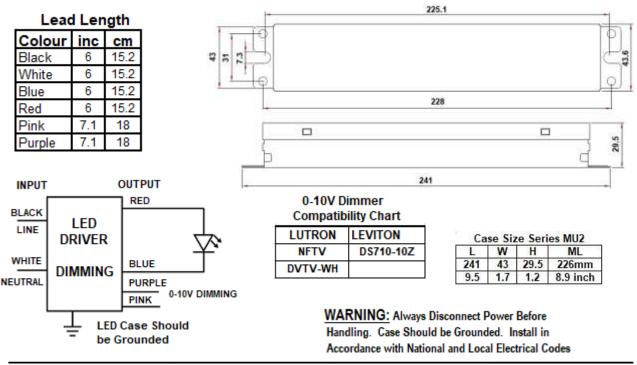
#### Case Size: Series MU2

Due to continuing efforts to offer im	proved products all specifications are	subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	86	75	26 to 44V	1.7A	NU1700C75WSD
277	0.34A	00	15	2010447	1.77	101700075W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lighting ltd.

## LED DRIVER 48W 0-10V Dimming

## Output Range 16V to 27V Constant Current 1750mA Max 48W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 16V to 27V for Single circuit 48W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 85%

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG -18 ft

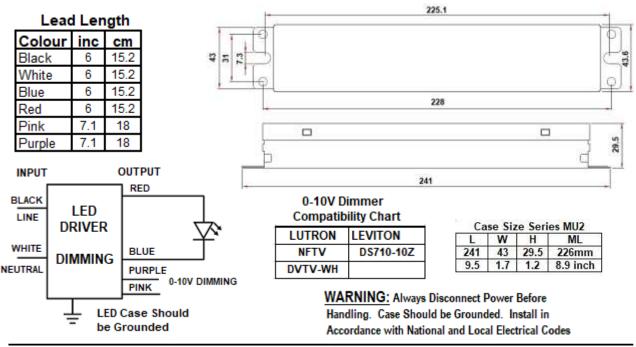
#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice								
INPUT	INPUT	INPUT	OUTPUT	OUTPUT	OUTPUT			

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.6A	57	48	16 to 27V	1.75A	NU1750C48WSD	
277	0.27A	57	57	40	10 10 27 0	1.75A	NU1750C46W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 91W 0-10V Dimming

## Output Range 31V to 52V Constant Current 1750mA Max 91W

Universal Voltage 120-277V Electronic Constant Current 1750mA LED Driver 0-10V Dimming. Output Range of 31V to 52V for Single circuit 91W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 88%

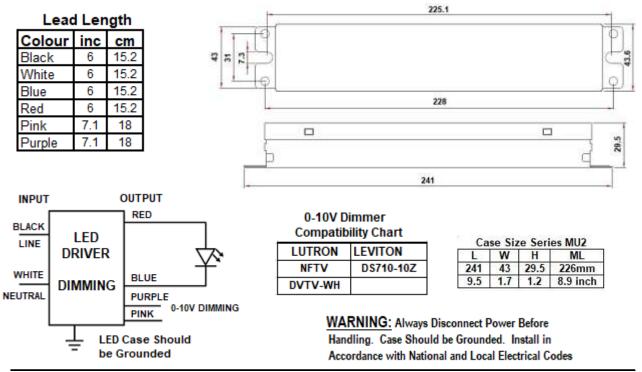
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full I	Load: 18AWG -18 ft

#### Case Size: Series MU2

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.95A	104	91	31 to 52V	1.75A	NU1750C91WSD
277	0.41	104	51	51 10 52 V	1.735	NO1750C91W5D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage. installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 43W 0-10V Dimming

Output Range 14V to 24V Constant Current **1800mA** Max **43W** 

Small Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 14V to 24V for Single circuit 43W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant		Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cla	ss A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, D	Dry	Input Frequency:	50/60HZ
Output Open/Short Pro	otection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
	90° C	Remote Wiring Distance Full Load	h: 18AWG -18 ft
Typical Efficiency:	85%		

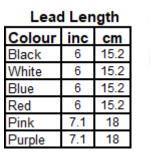
#### Case Size: Series C1U

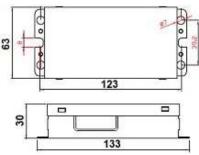
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

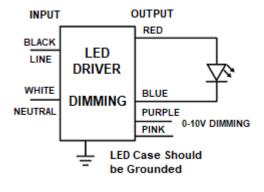
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.55A	51	43	16 to 24V	1.8A	NU1800C43WSD
277	0.25A	51	40	1010240	1.0A	NU 1000C43W3D

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







#### 0-10V Dimmer Compatibility Chart

LUTRON

NFTV

DVTV-WH

ing official c	Case Size Series C1U				
LEVITON		W	Н	MI	
DS710-10Z	133	63	30	123mm	
	5.23	2.48	1.18	4.84inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 43W 0-10V Dimming

Output Range 14V to 24V Constant Current 1800mA Max 43W

Linear Slim Case Terminal Blocks

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 14V to 24V for Single circuit 43W maximum.

### **Technical Specification:**

UL, CUL Recognized, R	OHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 30 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short Pi	rotection	THD:	< 20%
Min. Starting Temp:	-40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	85%	Terminal Blocks	

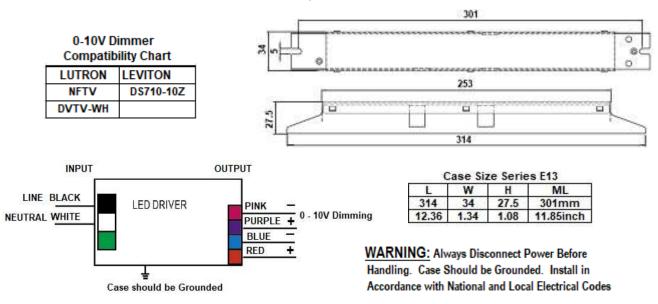
#### Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.83A	E1	40	1.4 to 2.41/	1 0 4	NU1800C43WSDE13
277	0.33A	51	43	14 to 24V	1.8A	NU1000C43W3DE13

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{T}_{ighting}^{age}$  ltd.

## LED DRIVER 200W 0-10V Dimming

## Output Range 67V to 111V Constant Current 1800mA Max 200W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 67V to 111V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, I	ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	89%		

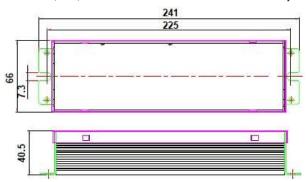
#### Case Size: Series FS5

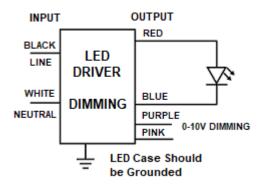
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.78A	225	200	67 to 111V	1.8A	NU1800C200WSD
277	0.78	225	200	07101110	1.0A	N01000C200W3D

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Lead Length					)-10V mpa	_		er Chart
Colour	inc	cm		LUTRON		I	LEVITON	
Black	6	15.2		NFTV			DS710-10Z	
White	6	15.2		DVT	V-WI	H		
Blue	6	15.2		8223				100000000
Red	6	15.2		Ca	ise Si	ze	Ser	ies FS5
	_			L	W	H	1	ML
Pink	7.1	18		241	66	40	.5	226mm
Purple	7.1	18		9.5	2.6	1.	6	8.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 80W 0-10V Dimming

## Output Range 25V to 42V Constant Current 1900A Max 80W

Slim case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single Output circuit 80W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant					
EMI FCC Part 15, Class A					
Rating: IP 65 Damp, Dry					
Output Open/Short Protection					
Min. Starting Temp: - 40° C					
Max. Case Temp: 90° C					
Efficiency: 88%					

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	I: 18AWG -18 ft Typical

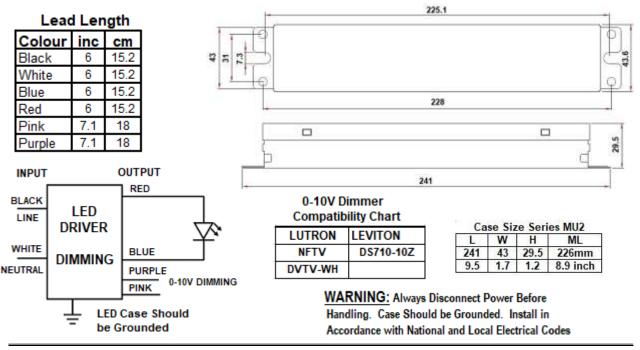
#### Case Size: Series MU2

Due to continuing efforts to offer improved pro	aducte all enacifications are sub	viact to change without prior potice
Due to continuing enorts to oner improved pro	ounces an specifications are suc	here to change without phot house

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	90	80	25 to 42V	1.9A	NU1900C80WSD
277	0.34A	90	80	2010420	1.9A	1401300C00W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Page Lighting ltd.

## LED DRIVER 48W 0-10V Dimming

## Output Range 15V to 24V Constant Current 2000mA Max 48W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 15V to 24V for Single circuit 48W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognize	ed, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class	Α	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	)	Input Frequency:	50/60HZ
Output Open/Short Prote	ection	THD:	< 20%
Min. Starting Temp: -	40° C	Power Factor Min:	0.90
· · · · · · · · ·	D° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
Typical Efficiency: 85	5%		

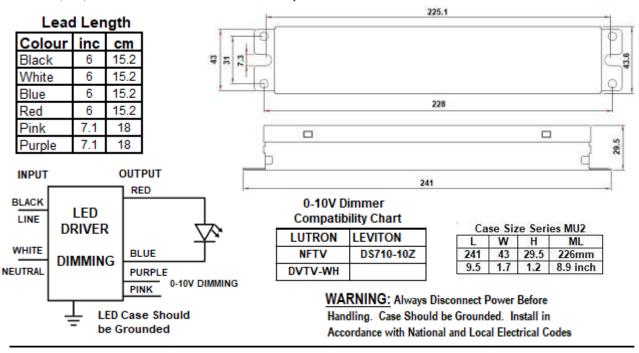
#### Case Size: Series MU2

Due to continuing e	efforts to offer impro	ved products al	1 specifications are sub	bject to change without pric	or notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.6A	FC	40	15 to 24V	2.0A	NU2000C48WSD
277	0.27A	56	48	15 10 24 V	2.0A	11020005469950

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}_{ighting}^{age}$  ltd.

## LED DRIVER 84W 0-10V Dimming

Output Range 25V to 42V Constant Current 2000mA Max 84W

Bottom Mount Studs with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single Output circuit 84W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: Efficiency: 89%

Input Voltage range: +10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft Typical **Bottom Mount Studs** 

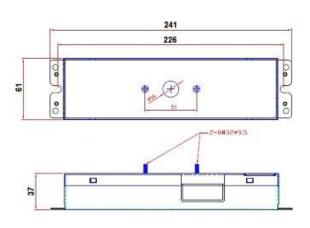
Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

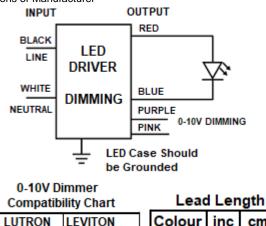
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	0.1	0.4	25 to 42V	2.0A	NU2000C84WSBD
277	0.34A	94	84	2010 42 0	2.0A	NU2000C04WSBD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage. installation, use, and maintenance and conformance with any recommendations of Manufacturer



WARNING: Always Disconnect Power Before Handling, Case Should be Grounded, Install in Accordance with National and Local Electrical Codes



LU	TRON	I LE	LEVITON		LEVITON		Colour	inc	cm
NFTV DS710-10Z		1	Black	6	15.2				
DV	TV-WI	1		1	White	6	15.2		
~				-	Blue	6	15.2		
	se Siz W	ze ser	ies FS3 ML	1	Red	6	15.2		
241	61	37	226mm		Pink	7.1	18		
9.5	2.4	1.46	8.9inch	]	Purple	7.1	18		

**P**ighting ltd.

## LED DRIVER 84W 0-10V Dimming

## Output Range 25V to 42V Constant Current 2000mA Max 84W

Slim case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single Output circuit 84W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft Typical
Efficiency: 89%		

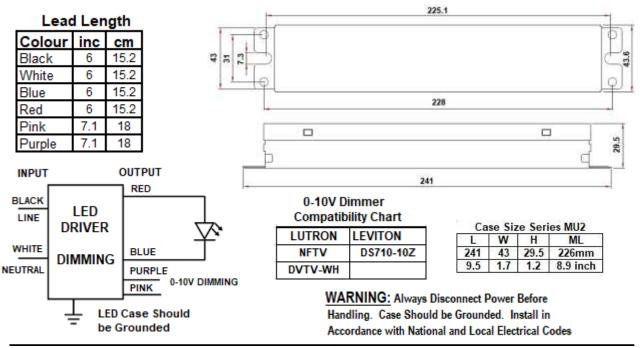
#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.79A	94	84	25 to 42V	2.0A	NU2000C84WSD
277	0.34A	94	04	25 10 42 V	2.0A	NU2000C04W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 108W 0-10V Dimming

## Output Range 33V to 54V Constant Current 2000mA Max 108W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 33V to 54V for Single circuit 108W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant
EMI FCC part 15 Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 88%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 10%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft

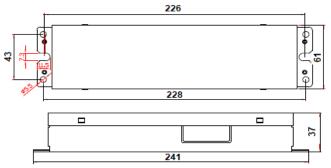
#### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice	)
--	---

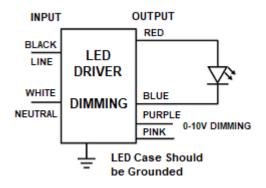
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.04A	123	108	33 to 54V	2.0A	NU2000C108WSD
277	0.45A	123	100	33 10 54 0	2.0A	N02000C106W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1	LU	TRON		LEVITON	
Black	6	15.2		NFTV		_	D\$710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2						
Red	6	15.2		Ca	se Si	ze Ser	ies FS3	
Pink	7.1	18		L	W	Н	ML	
Purple	7.1	18		241	61	37	226mm	
r arpio				9.5	2.4	1.46	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}^{age}_{ighting \ ltd.}$ 

## LED DRIVER 108W 0-10V Dimming

Output Range 33V to 54V Constant Current 2000mA Max 108W

Bottom Mount Studs with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 33V to 54V for Single circuit 108W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC part 15 Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:<</td>10%Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ftBottom Mount Studs-18 ft

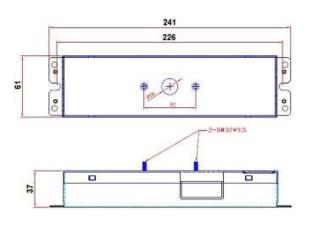
Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

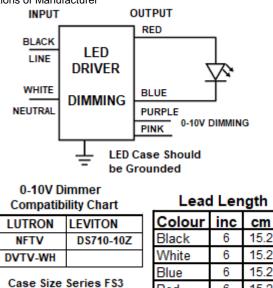
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.04A	100	100	22 to $54$	2.0A NU2000C108V	
277	0.45A	123	108	33 to 54V		1402000C100WSBD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Case Size Series FS3							
L	W	Н	ML				
241	61	37	226mm				
9.5	2.4	1.46	8.9inch				

 Blue
 6
 15.2

 Red
 6
 15.2

 Pink
 7.1
 18

 Purple
 7.1
 18

 $\mathbf{\hat{Z}}_{ighting}^{age}$  ltd.

## LED DRIVER 110W 0-10V Dimming Output Range 33V to 55V Constant Current 2000A Max 110W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 33V to 55V for Single Output circuit 110W maximum.

### **Technical Specification:**

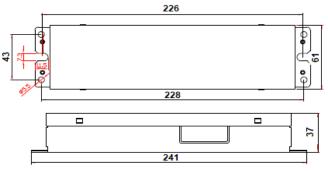
UL, CUL Recognized, ROHS (	Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry		Input Frequency:	50/60HZ
Output Open/Short Protection	on	THD:	< 20%
Min. Starting Temp: - 40°	С	Power Factor Min:	0.90
Max. Case Temp: 90° C	•	Remote Wiring Distance Full I	_oad: 18AWG -18 ft
Typical Efficiency: 88%			

#### Case Size: Series FS3

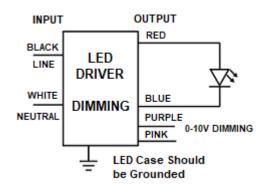
Due to continuing	g efforts to offer imp	ithout prior notice	2/3/22			
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.07A	125	110	33 - 55V	2.0A	NU2000C110WSDIM
277	0.46A	120	110	33 - 35 V	2.0A	NO2000CTT0W3DIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	0-10V Dimmer Compatibility Chart			
Colour		-	LUTRON LEVITON			
Black	6	15.2	NFTV DS710-102	-		
White	6	15.2	DVTV-WH			
Blue	6	15.2				
Red	6	15.2	Case Size Series FS3	_		
Pink	7.1	18	L W H ML 241 61 37 226mn	-		
Purple	7.1	18	9.5 2.4 1.46 8.9inct	-		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 50W 0-10V Dimming Output Range 15V to 24V Constant Current 2100mA Max 50W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 15V to 24V for Single circuit 50W maximum.

### **Technical Specification:**

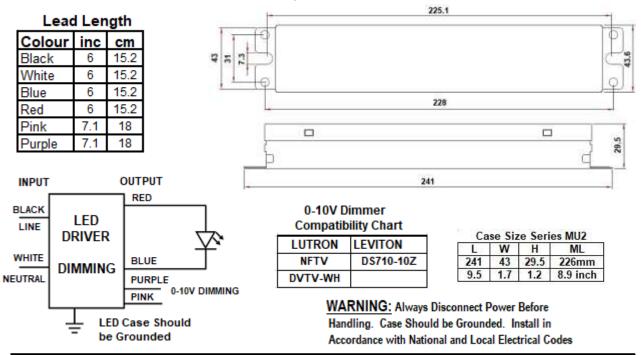
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< <b>20</b> %
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
Typical Efficiency: 84%		

#### Case Size: Series MU2

Due to continuing e	efforts to offer impro	ved products a	II specifications are su	bject to change with	nout prior notice	
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.50A	60	50	15 to 24V	2.1A	NU2100C50WSD
277	0.22A	00	50	10 10 24 0	2.1A	NO2100C30W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 84W 0-10V Dimming Output Range 24V to 40V Constant Current 2100A Max 84W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 84W maximum.

## **Technical Specification:**

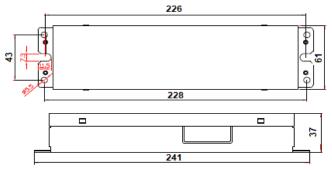
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full I	_oad: 18AWG -18 ft
Typical Efficiency: 88%		

#### Case Size: Series FS3

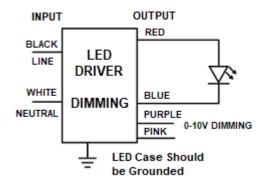
ļ	Due to continuing	efforts to offer improved	or notice	1/3/20			
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120V-277V	0.79A - 0.3A	95	84	24 to 40V	2.1A	NU2100C84WSDIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length					0-10V Dimmer Compatibility Chart			
inc	cm	lt	-			LEVITON		
6	15.2				-	D\$710-10Z		
6	15.2		DVTV-WH		•			
6	15.2							
6	15.2	Ι,	Ca	se Siz	ze S	Seri		
7.1	18		L	W		1	ML	
7.1	18		241 9.5	2.4	- ×	•	226mm 8.9inch	
	inc 6 6 6 7.1	inc cm 6 15.2 6 15.2 6 15.2 6 15.2 7.1 18	inc cm 6 15.2 6 15.2 6 15.2 6 15.2 7.1 18	inc         cm         LU           6         15.2         N           6         15.2         DV           6         15.2         DV           6         15.2         L           6         15.2         L           7.1         18         L	inc         cm           6         15.2           6         15.2           6         15.2           6         15.2           6         15.2           6         15.2           6         15.2           15.2         Case Siz           7.1         18           241         61	inc         cm         LUTRON           6         15.2         NFTV           6         15.2         DVTV-WH           6         15.2         Case Size S           6         15.2         L           6         15.2         L           6         15.2         L           7.1         18         241	inc         cm           6         15.2           6         15.2           6         15.2           6         15.2           6         15.2           6         15.2           6         15.2           6         15.2           7.1         18           241         61           37	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 84W 0-10V Dimming Output Range 24V to 40V Constant Current 2100A Max 84W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 84W maximum.

### **Technical Specification:**

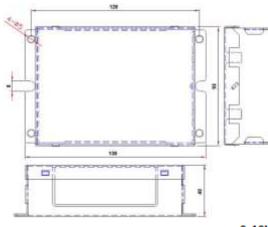
Class 2 UL, CUL Recognized ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:±5%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

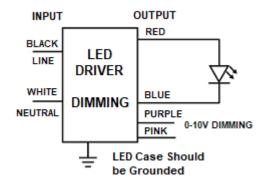
#### Case Size: Series CH14U

Due to continuing	efforts to offer improved	1/9/20				
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.79A - 0.34A	94	84	24 to 40V	2.1A	NU2100C84WSDC14

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





0-10V Dimmer

Case Size Series CH14U							
L	W	H	ML				
138	92	40	128mm				
5.4	3.62	1.57	5.04inch				

Compatibility Chart					
LUTRON	LEVITON				
NFTV	DS710-10Z				
DVTV-WH					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



Lead Length

6

6

6

6

7.1

7.1

cm

15.2

15.2

15.2

15.2

18

18

Colour inc

Black

White

Blue

Red

Pink

Purple

## LED DRIVER 88W 0-10V Dimming

## Output Range 25V to 42V Constant Current 2100mA Max 88W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 88W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant					
EMI FCC Part 15, Class A					
Rating: IP 65 Damp, Dry					
Output Open/Short Protection					
Min. Starting Temp: - 40° C					
Max. Case Temp: 90° C					
Typical Efficiency: 87%					

Input Voltage range:	<u>+</u> 10%				
Output Load range	<u>+</u> 5%				
Input Frequency:	50/60HZ				
THD:	< 20%				
Power Factor Min:	0.90				
Remote Wiring Distance Full Load: 18AWG -18 ft					

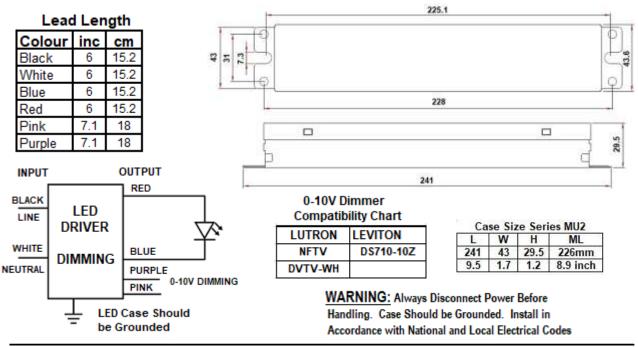
#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.95A	101	88	25 to 42V	2.1A	NU2100C88WSD
277	0.41	101	00	23 10 42 1	2.17	NOZIOCOOWSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 200W 0-10V Dimming

## Output Range 57V to 95V Constant Current 2100mA Max 200W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 57V to 95V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant					
EMI FCC Part 15, Class A					
Rating: IP 65 Damp, Dry					
Output Open/Short Protection					
Min. Starting Temp: - 40° C					
Max. Case Temp: 90° C					
Typical Efficiency: 89%					

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	1: 18AWG -18 ft

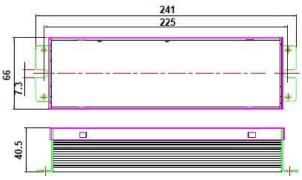
#### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

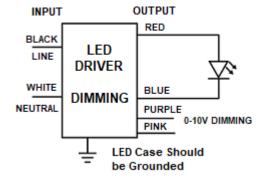
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.78A	225	200	57 to 95V	2.1A	NU2100C200WSD
277	0.78	220	200	57 10 95 9	2.1A	NO21000200W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	igth		)-10V mpa			er Chart
Colour	inc	cm	LU	TRON	I LI	E١	/ITON
Black	6	15.2	NFTV			DS	6710-10Z
White	6	15.2	DVTV-WH				
Blue	6	15.2	8523				0000000000
Red	6	15.2	Ca	ise Si	ize S	er	ies FS5
			L	W	H		ML
Pink	7.1	18	241	66	40.	5	226mm
Purple	7.1	18	9.5	2.6	1.6		8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 100W 0-10V Dimming

## Output Range 27V to 45V Constant Current 2200mA Max 100W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 27V to 45V for Single circuit 100W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Fu	ull Load: 18AWG
Typical Efficiency:	89%		

#### Case Size: Series MU2

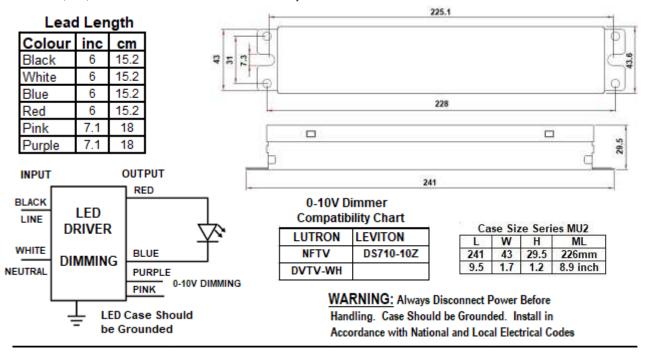
-18 ft

D	Due to continuing e	efforts to offer improve	d products all spe	cifications are subject	to change without prior	notice
- [						

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.95A	112	100	27 to 45V	2.2A	NU2200C100WSD	
277	0.41	112	100	100	27 10 43 1	2.27	N022000100W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

## LED DRIVER 96W 0-10V Dimming

## Output Range 24V to 40V Constant Current 2400mA Max 96W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 24V to 40V for Single circuit 96W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant					
EMI FCC Part 15, Class	Α				
Rating: IP 65 Damp, Dry	Rating: IP 65 Damp, Dry				
Output Open/Short Prote	ection				
Min. Starting Temp: -	40° C				
Max. Case Temp: 90° C					
Typical Efficiency: 90%					

Input Voltage range:	<u>+</u> 10%		
Output Load range	<u>+</u> 5%		
Input Frequency:	50/60HZ		
THD:	< 20%		
Power Factor Min:	0.90		
Remote Wiring Distance Full Load: 18AWG			

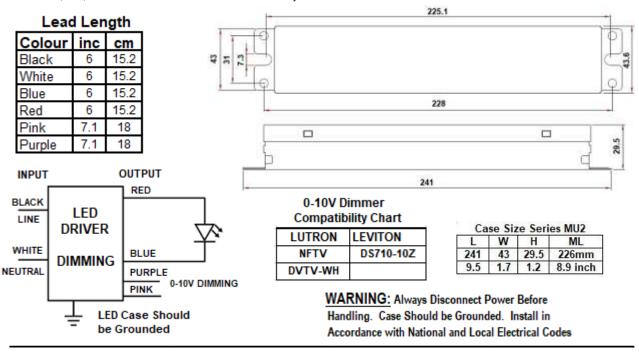
#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to chang	ge without prior notice
--	-------------------------

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.93A	- 107	96	24 to 40V	2.4A	NU2400C96WSD
277	0.40A		30	24 10 40 V	2.47	N02400C90W3D

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  (id.

## LED DRIVER 120W 0-10V Dimming

## Output Range 30V to 50V Constant Current 2400mA Max 120W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 30V to 50V for Single circuit 120W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: **Typical Efficiency:** 88%

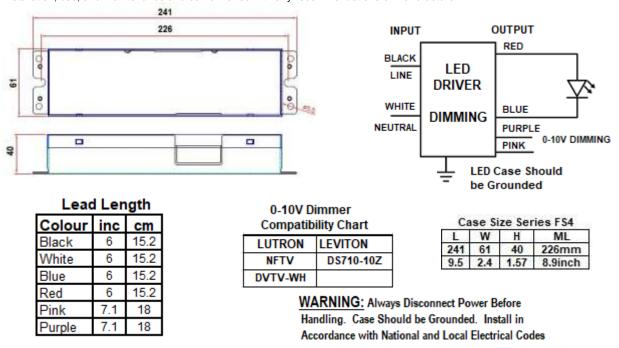
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance F	ull Load: 18AWG -18 ft

### Case Size: Series FS4

[	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice										
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS			OUTPUT CURRENT AMPS	MODEL				
	120V-277V	1.45A - 0.64A	137	120	30 to 50V	2.4A	NU2400C120WSD				

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



## LED DRIVER 50W 0-10V Dimming

## Output Range 12V to 20V Constant Current 2500mA Max 50W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 12V to 20V for Single circuit 50W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 84%

We do to a We allowed and the state of the state

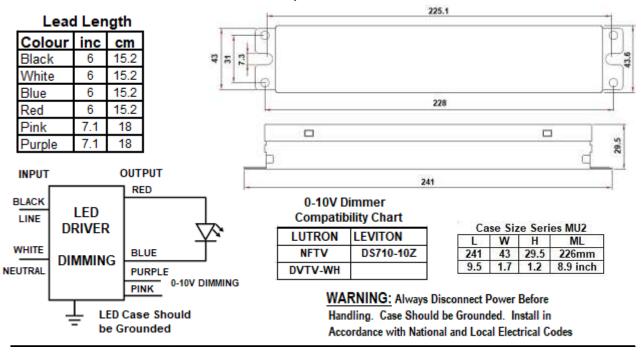
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full La	oad: 18AWG -18 ft

## Case Size: Series MU2

INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.6A	63	50	12 to 20V	2.5A	NU2500C50WSD	
277	0.27A	03	50	12 10 20 V	2.3A	NU2500C50005D	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 60W 0-10V Dimming

## Output Range 16V to 24V Constant Current 2500mA Max 60W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 16V to 24V for Single circuit 60W maximum.

## **Technical Specification:**

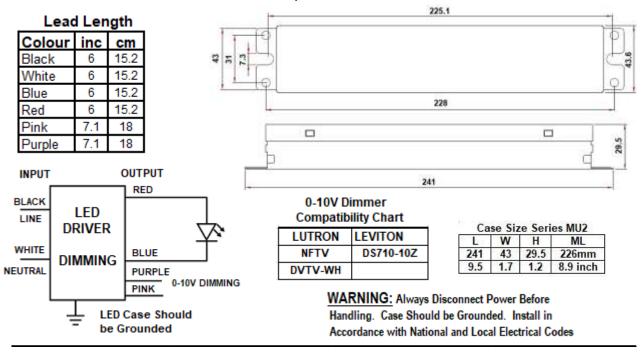
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

## Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 3/01/15								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.6A	69	60	16 to 24V	2.5A	NU2500C60WSD		
277	0.26A	09	00	1010240	2.3A	NU2500C00WSD		

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 200W 0-10V Dimming

## Output Range 48V to 80V Constant Current 2500mA Max 200W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 48V to 80V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant						
EMI FCC Part 15, Class A						
Rating: IP 65 Damp, Dry						
Output Open/Short Protection						
Min. Starting Temp: - 40° C						
Max. Case Temp: 90° C						
Typical Efficiency: 89%						

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft

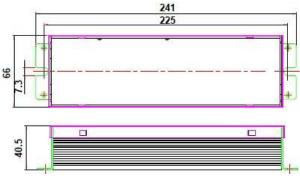
## Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

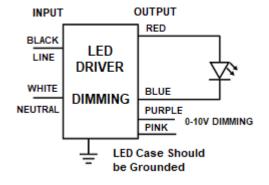
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.78A	225	200	48 to 80V	2.5A	NU2500C200WSD	
277	0.78	225	200	40 10 00 0	2.54	N02500C200W5D	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	d Ler	_		)-10V ompa			ier Chart	
Colour	inc	cm		LU	TRON	I	LE\	/ITON
Black	6	15.2		NFTV			DS710-10Z	
White	6	15.2		DVTV-WH				
Blue	6	15.2		823			288	100002222
Red	6	15.2		Ca	ise Si	ize	Ser	ies FS5
				L	W	ł	1	ML
Pink	7.1	18		241	66	40	.5	226mm
Purple	7.1	18		9.5	2.6	1.	.6	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 98W 0-10V Dimming

## Output Range 22V to 38V Constant Current 2600mA Max 98W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 38V for Single circuit 98W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

Input Voltage range:	<u>+</u> 10%				
Output Load range	<u>+</u> 5%				
Input Frequency:	50/60HZ				
THD:	< 20%				
Power Factor Min:	0.90				
Remote Wiring Distance Full Load: 18AWG -18 ft					

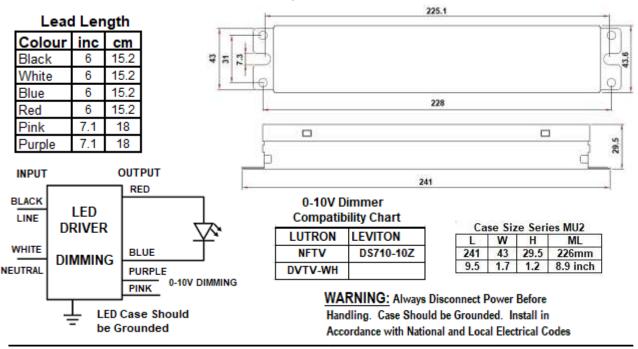
## Case Size: Series MU2

Due to continuing efforts to offer improv	ed products all specifications are sub	iect to change without prior notice
=		

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.46A	111	98	22 to 38V	2.6A	NU2600C98WSD
277	0.64A		90	22 10 30 V	2.0A	N02000C96W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 67W 0-10V Dimming

Output Range 14V to 24V Constant Current 2800A Max 67W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 14V to 24V for Single circuit 67W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 83% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

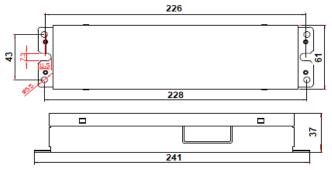
## Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

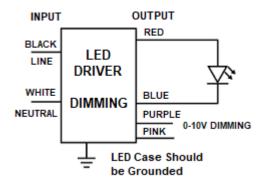
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.68A - 0.30A	81	67	14 to 24V	2.8A	NU2800C67WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour inc cm		1	LUTRON			LEVITON		
Black	6	15.2		NFTV			D\$710-10Z	
White	6	15.2		DVTV-WH		•		
Blue	6	15.2						
Red	6	15.2		Ca	se Si	ze S	Seri	es FS3
Pink	7.1	18		L	W	H	1	ML
Purple	7.1	18		241 61 3 9.5 2.4 1.4		/ 46	226mm 8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 96W 0-10V Dimming

## Output Range 22V to 34V Constant Current 2800mA Max 96W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 34V for Single circuit 96W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full L	oad: 18AWG -18 ft

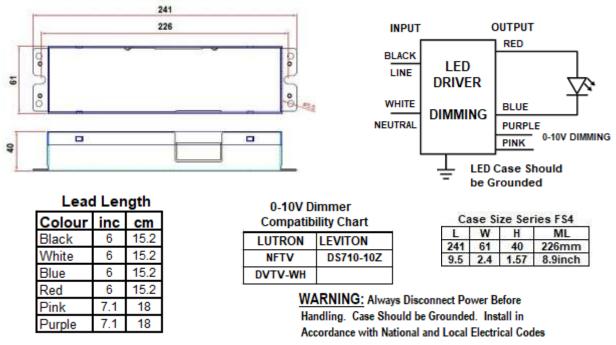
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120V-277V	1.45A - 0.64A	110	96	32 to 54V	2.8A	NU2800C96WSD	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 120W 0-10V Dimming

## Output Range 25V to 43V Constant Current 2800mA Max 120W

Universal Voltage 120-277V Electronic Constant Current 2.8A LED Driver 0-10V Dimming. Output Range of 25V to 43V for Single circuit 120W maximum.

## **Technical Specification:**

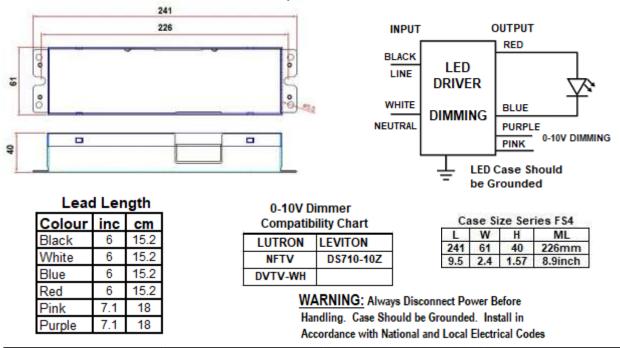
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

## Case Size: Series FS4

	INPUT VOLTAGE	PO PO		OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
1	120V-277V	1.45A - 0.64A	4A 136 120 25		25 to 43V	2.8A	NU2800C120WSD

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 150W 0-10V Dimming

## Output Range 32V to 54V Constant Current 2800mA Max 150W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Full Lo	ad: 18AWG -18 ft

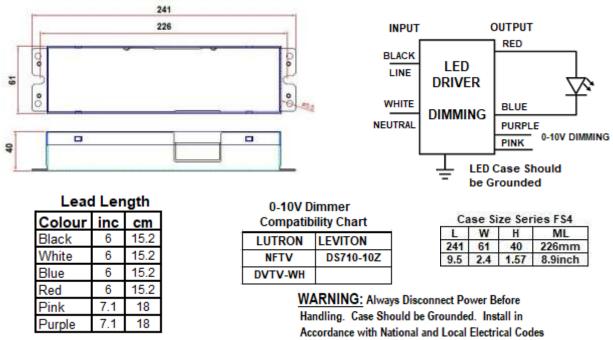
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.45A - 0.64A	170	150	32 to 54V	2.8A	NU2800C150WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{T}_{ighting}^{age}$  ltd.

## LED DRIVER 200W 0-10V Dimming

## Output Range 43V to 71V Constant Current 2800mA Max 200W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 43V to 71V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Lo	ad: 18AWG -18 ft
Typical Efficiency: 89%		

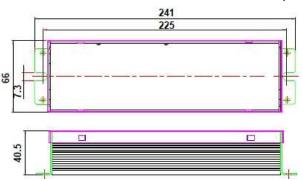
## Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.78A	225	200	43 to 71V	2.8A	NU2800C200WSD
277	0.78	225	200	43 10 7 1 9	2.04	N02000C200W3D

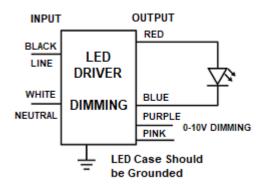
### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	gth	-	)-10V mpa			er Chart
Colour	Colour inc cm		LU	TRON	I L	EV	ITON
Black	6	15.2	NFTV			DS	710-10Z
White	6	15.2	DVTV-WH				
Blue	6	15.2	8223			828	0000000000
Red	6	15.2	Ca	ise Si	ze S	er	ies FS5
	~		L	W	H		ML
Pink	7.1	18	241	66	40.	5	226mm
Purple	7.1	18	9.5	2.6	1.6	5	8.9inch

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Page Lighting ltd.

## LED DRIVER 72W 0-10V Dimming Output Range 15V to 24V Constant Current 3000mA Max 72W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 15V to 24V for Single Output circuit 72W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87%

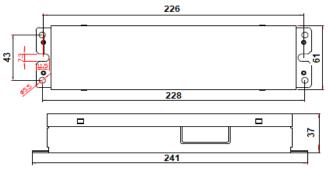
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Lo	ad: 18AWG -18 ft

### Case Size: Series FS3

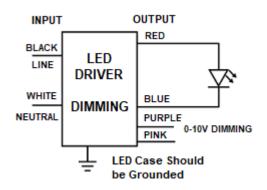
Due to continuing	ue to continuing efforts to offer improved products all specifications are subject to change without prior notice 2/4/21											
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL						
120	72	0.68A	87	87 15 to 24V		NU 12000C72WSD						
277	12	0.3A	07	15 10 24 0	ЗA	NU3000C72WSD						

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead		0-10V ompat			ier Chart				
Colour	inc	cm		LUTRON		UTRON LEVITON		/ITON	
Black	6	15.2		NFTV			DS710-10Z		
White	6	15.2		DVTV-WH					
Blue	6	15.2							
Red	6	15.2		Ca	se Siz	ze S	Seri	es FS3	
Pink	7.1	18		LW		H		ML	
Purple	7.1	18				3	•	226mm 8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 200W 0-10V Dimming

## Output Range 40V to 66V Constant Current 3000mA Max 200W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 40V to 66V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C **Typical Efficiency:** 89%

Input Voltage range: +10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.78A	225	200	40 to 66\/	37	NU3000C200WSD
277	0.78	225	200	200 40 to 66V 3A		14030000200443D

### LIMITED WARRANTY

Lead Le

Colour Black

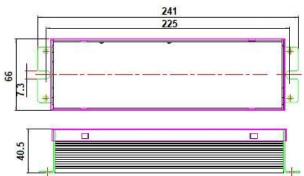
White

Blue

Red Pink

Purple

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



0-10V Dimmer Length Compatibility Chart									
inc	cm		LUTRON				/ITON		
6	15.2		NFTV			D	S710-10Z		
6	15.2		DV1	V-WI	ł				
6	15.2		822.9				1000022222		
6	15.2	1	Ca	ise Si	ze		ies FS5		
74	18		L	W	20	H	ML		
7.1	10		241	66	4	0.5	226mm		
7.1	18		9.5	2.6		1.6	8.9inch		

INPUT OUTPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 150W 0-10V Dimming

## Output Range 29V to 48V Constant Current 3150mA Max 150W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant								
EMI FCC Part 15, Class A								
Rating: IP 65 Damp, Dry								
Output Open/Short Protection								
Min. Starting Temp: - 40° C								
Max. Case Temp: 90° C								
Typical Efficiency: 88%								

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft

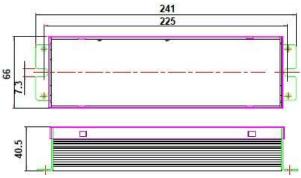
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

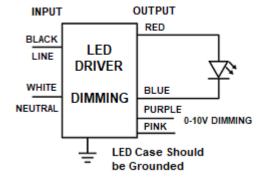
	INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
ĺ	120	1.78A	170 150	150	29 to 48V	3.15A	NU3150C150WSD
	277	0.78		23 10 40 0	5.15A	140313001300030	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	igth			Dimn Dimn	ner Chart		
Colour	inc	cm	LUTRON			LEVITON		
Black	6	15.2	N	FTV	D	D\$710-10Z		
White	6	15.2	DV1	V-WI	1			
Blue	6	15.2	823			20000000000		
Red	6	15.2	Ca	ise Si	ze Se	ries FS5		
			LW		H	ML		
Pink	7.1	18	241	66	40.5	226mm		
Purple	7.1	18	9.5	2.6	1.6	8.9inch		



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 75W 0-10V Dimming Output Range 14V to 23V Constant Current 3260mA Max 75W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 14V to 23V for Single Output circuit 75W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

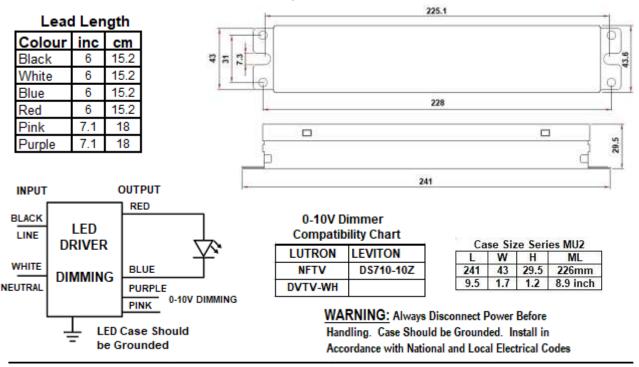
### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	86	75	14 to 221/	2.264	NU3260C75WSD
277	0.64A	00	75	14 10 23 V	4 to 23V 3.26A <b>NU3260C75V</b>	

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 120W 0-10V Dimming Output Range 27V to 45V Constant Current 3300A Max 150W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 27V to 45V for Single circuit 150W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

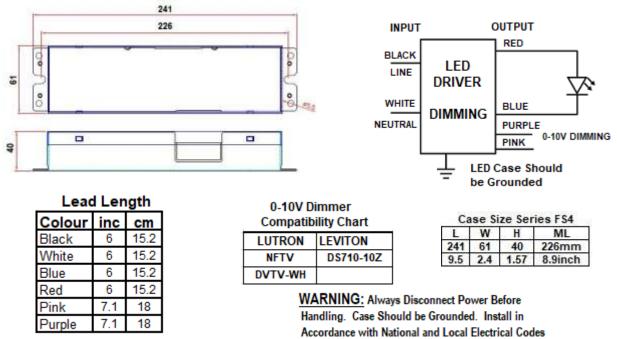
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	170	150	27 to 45V	3.3A	NU3300C150WSD
277	0.64	170	150	27 10 43 0	5.5A	10050001500050

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 120W 0-10V Dimming Output Range 21V to 34V Constant Current 3500mA Max 120W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 21V to 34V for Single circuit 120W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

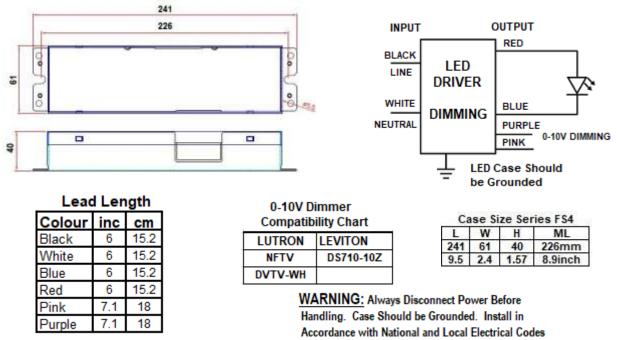
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	136	120	21 to 34V	3.5A	NU3500C120WSD
277	0.64	130	120	2110340	5.5A	140330001204430

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 200W 0-10V Dimming Output Range 34V to 57V Constant Current 3500mA Max 200W

Universal Voltage 120-277V Electronic Constant Current 3500mA LED Driver 0-10V Dimming. Output Range of 34V to 57V for Single circuit 200W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	1: 18AWG -18 ft

### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice
--

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.78A	225	200	34V to 57V	3.5A	NU3500C200WSD
277	0.78	225	200	340 10 37 0	5.5A	14033000200443D

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Lead	l Len	gth	_	0-10V D Compatib	
lour	inc	cm		LUTRON	LEVITON
ok.	6	15.2		NETV	D\$710_107

226mm 8.9inch

<u>Colour</u>	inc	cm	LUTRON			VITON		
Black	6	15.2	NFTV			DS710-102		
White	6	15.2	DV1	V-WI	1			
Blue	6	15.2	122					
Red	6	15.2	Ca	ise Si	ze Se	ries FS5		
Pink	7.1	18	241	66	40.5	226mm		
Purple	7.1	18	9.5	2.6	1.6			

INPUT	C	DUTPUT
		RED
BLACK	LED	
LINE	DRIVER	
WHITE	DIMENSIO	BLUE
NEUTRAL	DIMMING	PURPLE
		PINK 0-10V DIMMING
	_	, Case Should rounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

## LED DRIVER 136W 0-10V Dimming Output Range 22V to 36V Constant Current 3800mA Max 136W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 136W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

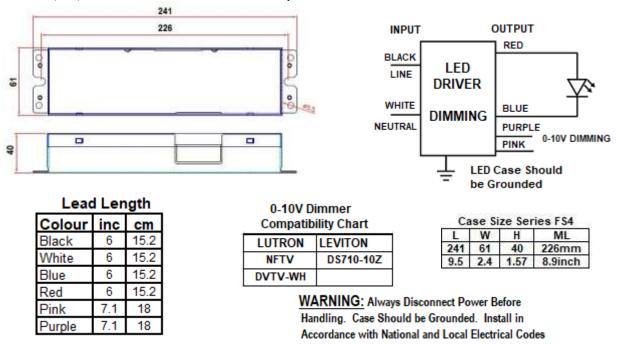
### Case Size: Series FS4

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	156	136	22 to 36V	3.8A	NU3800C136WSD
277	0.64	150	130	22 10 30 V	3.0A	N03000C130W3D

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





## LED DRIVER 210W 0-10V Dimming Output Range 30V to 50V Constant Current 4200A Max 210W

Universal Voltage 120-277V Electronic Constant Current 4200mA LED Driver 0-10V Dimming. Output Range of 30V to 50V for Single circuit 210W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant
EMI FCC Part 15, Class A
Rating: IP 65 Damp, Dry
Output Open/Short Protection
Min. Starting Temp: - 40° C
Max. Case Temp: 90° C
Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft

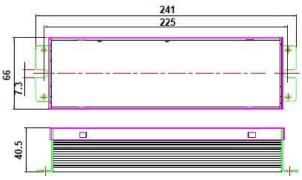
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

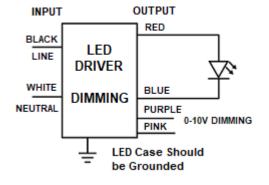
INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.95A	236	210	30 to 50V	4.2A	NU4200C210WSD
277	0.85A	230	210	30 10 30 V	4.2A	14042000210W3D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	l Len	igth				' Dimr tibility	ner Chart
Colour	inc	nc cm			TRON	I LE	VITON
Black	6	15.2		N	FTV	D	S710-10Z
White	6	15.2		DV1	V-WI	H	
Blue	6	15.2		823			
Red	6	15.2		Ca	ise Si	ize Se	ries FS5
				L	W	Н	ML
Pink	7.1	18		241	66	40.5	226mm
Purple	7.1	18		9.5	2.6	1.6	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 240W 0-10V Dimming Output Range 32V to 54V Constant Current 4500mA Max 240W

Universal Voltage 120-277V Electronic Constant Current 4500mA LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 240W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

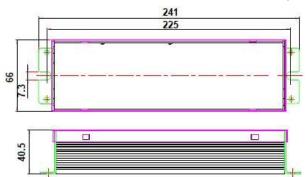
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	2.23A	266	240	32 to 54V	4.5A	NU4500C240WSD
277	0.96A	200	240	52 10 54 0	4.JA	11043000240003D

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



0-10V Dimmer

Lead	Lead Length					
Colour	inc	cm		LU	TRON	I
Black	6	15.2		N	FTV	
White	6	15.2		DVT	V-W	ł
Blue	6	15.2		1020		
Red	6	15.2		Ca	se Si	Z
Pink	7.1	18		241	66	k
Purple	7.1	18		9.5	2.6	

Compatibility Chart								
	FTV	_	DS710-10Z					
DV	V-W	1						
Case Size Series FS5								
Ca	nse Si	ze Se	ries FS5					
Ca	nse Si W	ze Se H	ries FS5 ML					
Ca L 241	w 66	ze Se H 40.5	ries FS5 ML 226mm					

OUTPUT INPUT RED BLACK LED LINE DRIVER WHITE BLUE DIMMING NEUTRAL PURPLE 0-10V DIMMING PINK LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



## LED DRIVER 210W 0-10V Dimming Output Range 25V to 42V Constant Current 5000mA Max 210W

Universal Voltage 120-277V Electronic Constant Current LED Driver 0-10V Dimming. Output Range of 25V to 42V for Single circuit 210W maximum.

## **Technical Specification:**

**UL, CUL Recognized, ROHS Compliant** EMI FCC Part 15, Class A Ratina: IP 65 Damp, Drv **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: **Typical Efficiency:** 90%

Input Voltage range: + 10% **Output Load range** + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

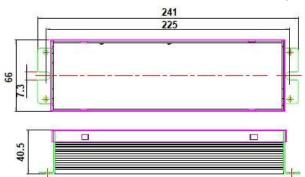
## Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	2.23A	233	210	25 to 42V	5.0A	NU5000C210WSD
277	0.96A	200	210	23 10 42 0	5.0A	14030000210443D

#### LIMITED WARRANTY

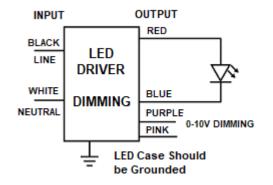
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



0-10V Dimmer

Lead	Lead Length					
Colour	inc	cm		LU	TRON	I
Black	6	15.2		N	FTV	
White	6	15.2		DVT	V-W	ł
Blue	6	15.2				
Red	6	15.2		Ca	se Si	Z
Pink	7.1	18		241	66	
Purple	7.1	18		9.5	2.6	

Co	mpa	tibi	ility	Chart	
LU	TRON		LE\	/ITON	
NFTV			D	S710-1(	)Z
DVTV-WH					
Ca	ise Si	ze	Ser	ies FS	5
Ca	nse Si W	ze	Ser H	ies FS ML	5
Ca L 241	w 66	ze	Ser H 0.5	ies FS ML 226m	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Sage

## 120-277V Non-Dimmable Fixed Current LED Drivers

Sage offers a large selection of 120-277V Non Dimmable fixed Current LED Drivers. These drivers are available in multiple Form factor and output and will provide a broader selection for Fixture Manufacturers to offer wide range of luminaires.

Output Current: from 300mA to 1700mA

Output Range 79V to 131V Constant Current 260mA Max 34W

Compact Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 79V to 131V for Single Output circuit 34W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

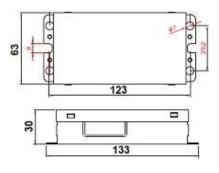
Case Size: Series C1U

<b>. . .</b> .		
Due to continuing efforts to offer improved	products all specifications are sub	biect to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.50A		24	70 to 1011/	0.26A	NU260C34WS
277	0.22A	39	34	79 to 131V		10200034WS

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Case Size Series C1U

Н

30

ML

123mm

1.18 4.84inch

W

63

5.23 2.48

L 133

Lead Length						
Colour	inch	cm				
Black	6	15.2				
White	6	15.2				
Blue	6	15.2				
Red	6	15.2				

INP	UT	
BLACK		RED +
LINE NEUTRAL	LED DRIVER SINGLE OUTPUT	BLUE - ¥
WHITE		

LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Range 18V to 30V Constant Current 300mA Max 9W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 18V to 30V for Single Output circuit 9W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG - 18 ft
Typical Efficiency:	85%		

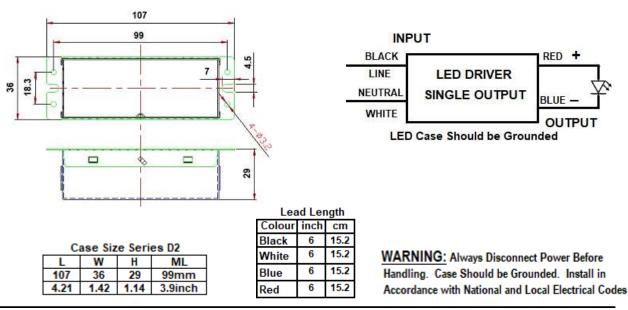
Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.13A	10.5	10.5	9	18 to 30V	0.3A	NU300C9WSM
277	0.06A		9	10 10 30 V	0.3A	NOSOCSWSW	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 36V to 60V Constant Current **300mA** Max **18W** 

Compact Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 36V to 60V for Single Output circuit 18W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ft

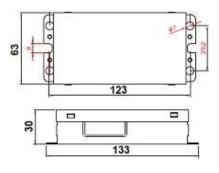
Case Size: Series C1U

Due to continuing efforts to offer improved products all specifications are subject to change withou	prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.4A	24	10	26 to 60\/	0.24	NU300C18WS
277	0.17A	21	18	36 to 60V	0.3A	100000010005

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Case Size Series C1U

Н

30

ML

123mm

1.18 4.84inch

W

63

5.23 2.48

L 133

Lead Length								
Colour	inch	cm						
Black	6	15.2						
White	6	15.2						
Blue	6	15.2						
Red	6	15.2						

INP	UT	
BLACK		RED +
LINE NEUTRAL	LED DRIVER SINGLE OUTPUT	BLUE - Y
WHITE		OUTPUT

LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output 105V to 175V Constant Current 300mA Max 53W

Universal Voltage 120-277V Electronic Constant Current LED Driver. Output Range of 105V to 175V for Single Output circuit 53W maximum.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85%

# Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

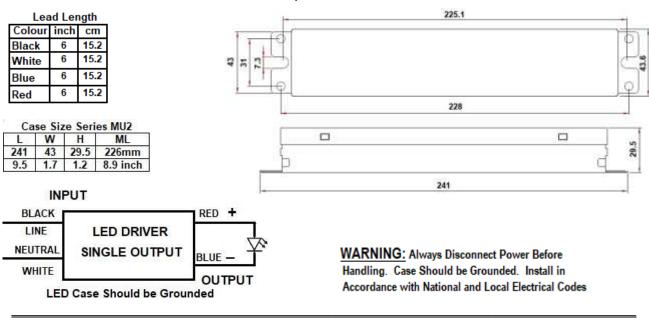
## Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	63	53	105 to 175V	0.3A	.3A NU300C53WS
277	0.64A	03	55	105 10 1750	0.3A	N0300C53W3

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 20V to 34V Constant Current 310mA Max **10.5W** 

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 20V to 34V for Single Output circuit 10.5W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 25%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full L	.oad: 18AWG - 18 ft
Typical Efficiency:	84%		

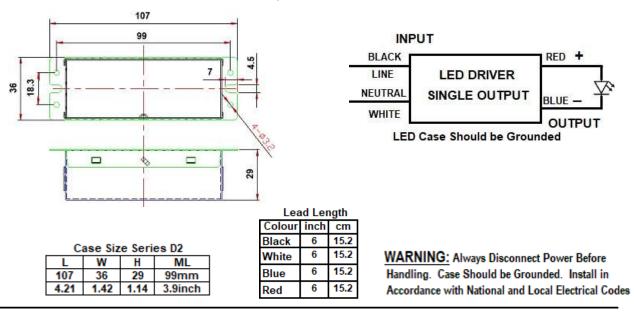
### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.13A	12.5	10.5	20 to 34V	0.31A	NU310C10WSM
277	0.06A	12.5	10.5			

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 9V to 14V Constant Current **350mA** Max **5W** Small Case Size

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 9V to 14V for Single Output circuit 5W maximum.

## **Technical Specification:**

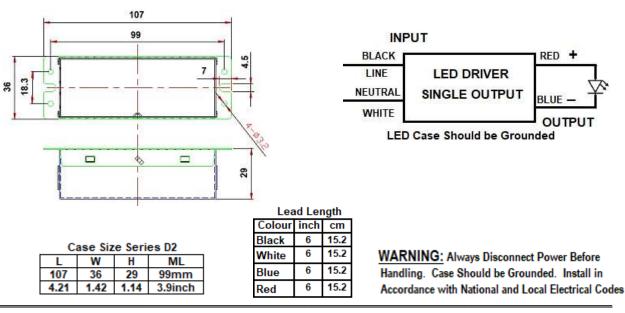
Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short Pi	rotection	THD:	< <b>20</b> %
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG - 18 ft
Typical Efficiency:	79%		

## Case Size: Series D2

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/3/17								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
120	0.06A	7	7	7	7	F	0 / to $14$ /	0.254	NU 1250C5W/SM
277	0.03A	1	5	9V to 14V	0.35A	NU350C5WSM			

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 14V to 23V Constant Current 350mA Max 8W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 14V to 23V for Single Output circuit 8W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short Pi	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp: Typical Efficiency:	90° C 82%	Remote Wiring Distance Full Loa	d: 18AWG - 18 ft
rypical Enclency:	02 70		

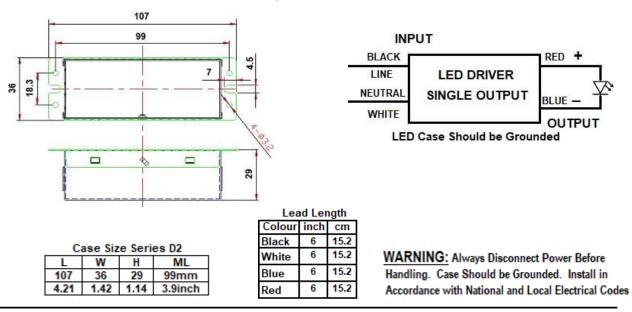
### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.13A	10	8	1.4 to 221/	0.35A	NU350C8WSM
277	0.06A	10		14 to 23V		

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  [1d.

Output Range 20V to 34V Constant Current **350mA** Max **12W** 

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 20V to 34V for Single Output circuit 12W maximum.

## **Technical Specification:**

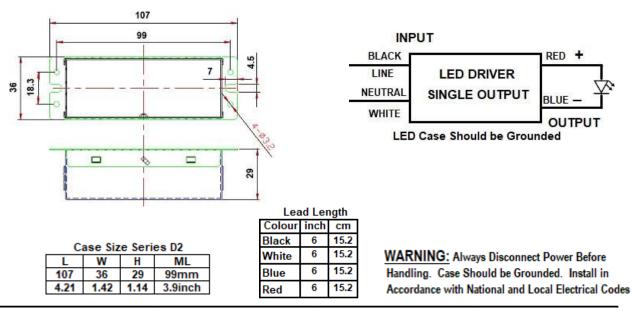
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 25%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

## Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 7/1/22							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.13A	14	12	20 to 34V	0.25 \	NU350C12WSM	
277	0.06A	14	12	2010 34 V	0.35A	100500012005101	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

Pighting ltd.

Output Range 14V to 24V Constant Current **450mA** Max **11W** 

Compact Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 14V to 24V for Single Output circuit 11W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized,	ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry		Input Frequency:	50/60HZ
Output Open/Short Protect	ion	THD:	< 25%
Min. Starting Temp: - 40°	°C	Power Factor Min:	0.90
Max. Case Temp: 90° (	C	Remote Wiring Distance Full Loa	d: 18AWG - 18 ft
Typical Efficiency: 85%			

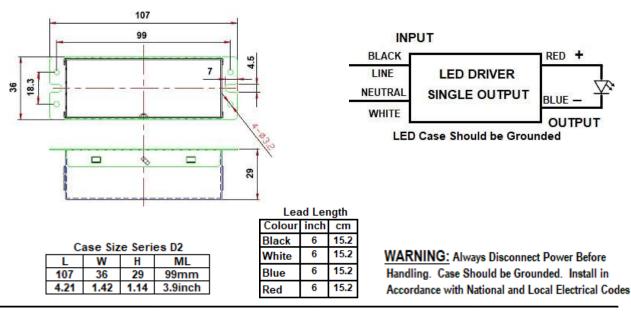
Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.13A	10	11	14 to 24V	0.45A	NU450C11WSM
277	0.06A	13		14 10 24 V		N0450C11W5IM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

 $\dot{Z}^{age}_{ighting \ ltd.}$ 

Output Range 24V to 40V Constant Current **450mA** Max **18W** 

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 24V to 40V for Single Output circuit 18W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 80% Input Voltage range:• 10%Output Load range• 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ft

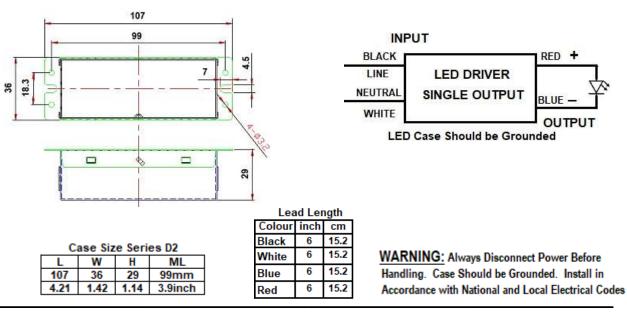
Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.21A	22	18	24 to 40V	0.45A	NU450C18WSM
277	0.1A	23				14043001800310

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



Output Range 6V to 10V Constant Current 500mA Max 5W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 6V to 10V for Single Output circuit 5W maximum.

## **Technical Specification:**

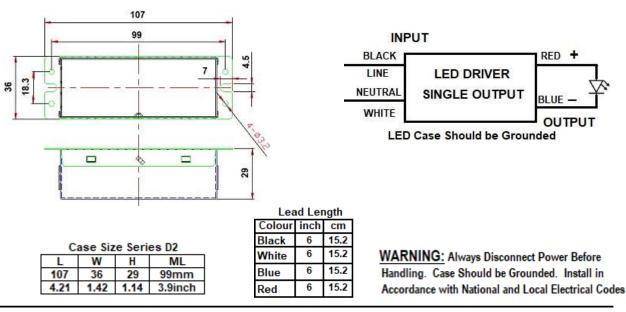
Class 2 UL, CUL Recognized, ROHS Complia	ant Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full I	_oad: 18AWG   – 18 ft
Typical Efficiency: 79%		

## Case Size: Series D2

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice R03/01/15					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.06A	7	5	6 to 10V	0.5A	NU500C5WSM
277	0.03A	/				NUSUUCSWSW

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 ${m \hat{L}}^{age}_{ighting}$  ltd.

Output Range 15V to 24V Constant Current **500mA** Max **12W** Small Case Size

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 15V to 24V for Single Output circuit 12W maximum.

## **Technical Specification:**

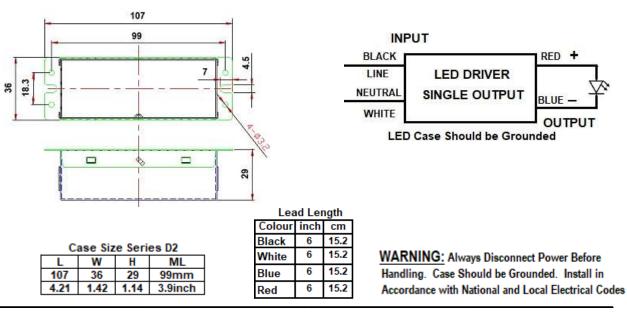
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< <b>20</b> %
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	ad: 18AWG - 18 ft
Typical Efficiency: 83%		

### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice R03/01/15						R03/01/15
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	12	0.15A		15 to 0414	0.54	NU500C12WSM
277	12	0.06A	15.5	15 to 24V	0.5A	NUSUUCIZWSWI

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



Output Range 22V to 36V Constant Current **500mA** Max **18W** 

Small Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 22V to 36V for Single Output circuit 18W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Lo	oad: 18AWG - 18 ft
Typical Efficiency:	80%		

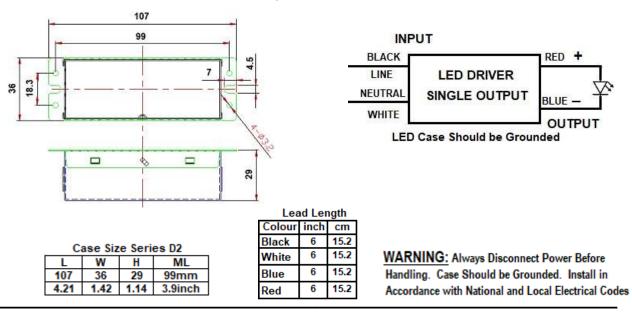
### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.21A	22	18	22 to 26\/	0 5 4	NU500C18WS
277	0.1A	23	10	22 to 36V	0.5A	NUSUUCIOWS

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 24V to 40V Constant Current 600mA Max 24W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 24V to 40V for Single Output circuit 24W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, RC	OHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A		Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry		Input Frequency:	50/60HZ
Output Open/Short Protection	า	THD:	< 20%
Min. Starting Temp: - 40° C	•	Power Factor Min:	0.90
Max. Case Temp: 90° C		Remote Wiring Distance Full Load	d: 18AWG - 18 ft
Typical Efficiency: 85%			

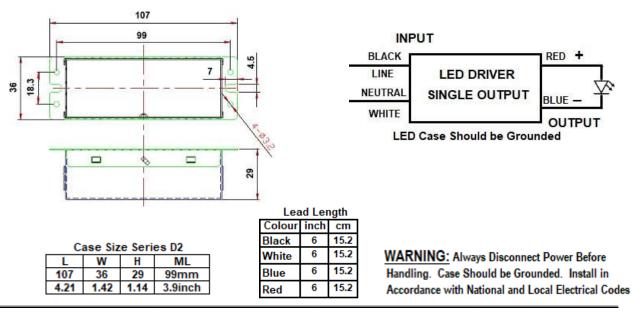
### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.27A	29	24	24 to 40V	0.6A	NU600C24WSM
277	0.11A	29	24	24 10 400	0.0A	10000024005101

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 34V to 57V Constant Current 600mA Max 34W

Compact Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 34V to 57V for Single Output circuit 34W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS CompliantInput VoltaEMIFCC Part 15, Class AOutput LoaRating:IP 65 Damp, DryInput FrequeOutput Open/ShortProtectionTHD:Min. Starting Temp:- 40° CPower FactMax. Case Temp:90° CRemote WirdTypical Efficiency:86%For the second sec

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG

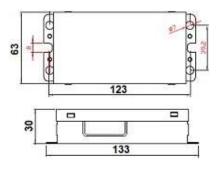
Case Size: Series C1U

Due to continuing efforts to offer imp	roved products all specifications are s	subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.44A	40	34	34 to 57V	0.6A	NU600C34WS
277	0.19A	40	34	34 10 37 V	0.6A	NU000C34W3

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Case Size Series C1U

Н

30

ML

123mm

1.18 4.84inch

W

63

5.23 2.48

L 133

Lead Length					
Colour	inch	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			

INP	UT	
BLACK		RED +
LINE	LED DRIVER	
NEUTRAL	SINGLE OUTPUT	BLUE - Y
WHITE		
A STATE OF A		OUTPUT

LED Case Should be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Range 2V to 4V Constant Current 700mA Max 3W

Small Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 2V to 4V for Single Output circuit 3W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized	, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	l	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry		Input Frequency:	50/60HZ
Output Open/Short Protect	tion	THD:	< 30%
Min. Starting Temp: - 40	° C	Power Factor Min:	0.90
Max. Case Temp: 90°	С	Remote Wiring Distance Full	Load: 18AWG - 18 ft
Typical Efficiency: 79%	, D		

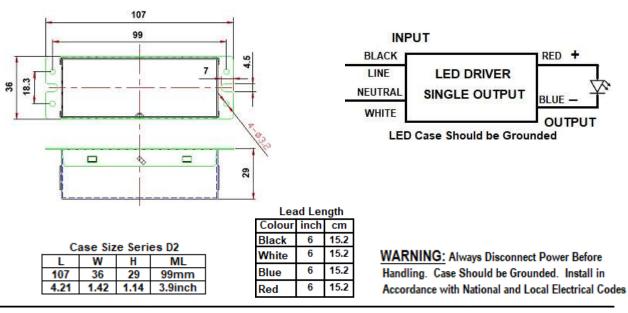
Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.06A	4	0		0.74	
277	0.03A	4	3	2 to 4V	0.7A	NU700C3WSM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 5V to 7V Constant Current **700mA** Max **5W** 

Small Case Size

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 5V to 7V for Single Output circuit 5W maximum.

### **Technical Specification:**

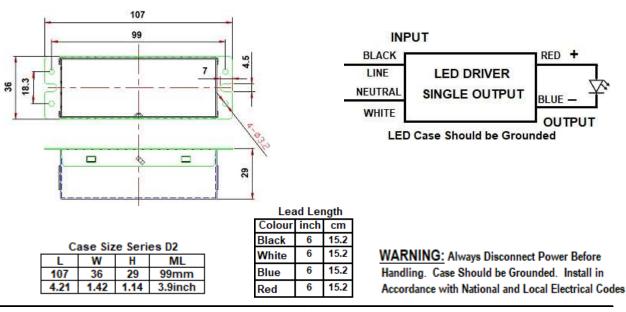
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 30%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance F	ull Load: 18AWG - 18 ft
Typical Efficiency: 72%		

### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 5/2/18						
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.06A	7	F	5V to 7V	0.74	NU700C5WSM
277	0.03A	/	5	501070	7 to 7V 0.7A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 6V to 10V Constant Current 700mA Max 7W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 6V to 10V for Single Output circuit 7W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recogni	Input V	
EMI FCC Part 15, Cla	iss A	Output
Rating: IP 65 Damp, [	Dry	Input F
Output Open/Short Pro	otection	THD:
Min. Starting Temp:	- 40° C	Power
Max. Case Temp:	90° C	Remote
Typical Efficiency:	84%	

Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 30%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG - 18 ft

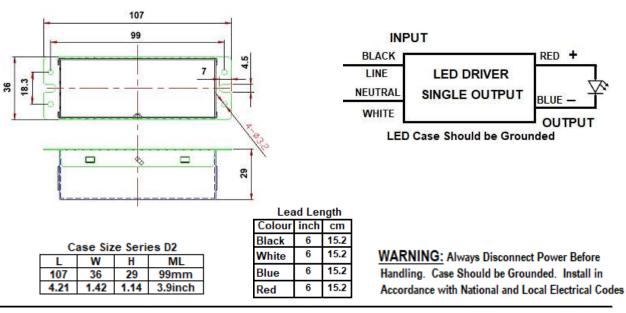
Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.15A	8.5	7	6 to 10)/	0.74	NU700C7WSM
277	0.06A	0.0	1	6 to 10V	0.7A	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

Output Range 8V to 13V Constant Current 700mA Max 9W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 8V to 13V for Single Output circuit 9W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15, C	ass A	Output Load range	<u>+</u> 5%	
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ	
Output Open/Short Pi	rotection	THD:	< 30%	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90	
Max. Case Temp: 90° C		Remote Wiring Distance Full Load: 18AWG - 18 ft		
Typical Efficiency:	84%			

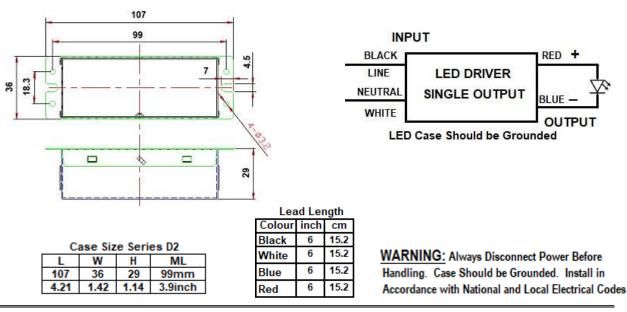
Case Size: Series D2

Design of the second se	1. A start of the start of t
LULE TO CONTINUING ETFORTS TO OTTER IMPROVED DROG	ucts all specifications are subject to change without prior notice
Due to continuing enorts to oner improved prod	acto an opeomoditorio die odbject to ondrige wallout prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.15A	11	11	9	8 to 13V	0.74	NU700C9WSM
277	0.06A		9	010130	0.7A	NO700C9W3W	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{T}_{ighting}^{age}$  ltd.

Output Range 11V to 17V Constant Current **700mA** Max **12W** 

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 11V to 17V for Single Output circuit 12W maximum.

### **Technical Specification:**

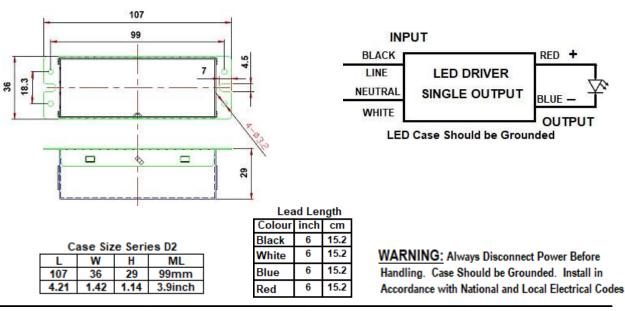
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 80% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 30%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG- 18 ft

### Case Size: Series D2

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/10/17							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.14A	1E E	10	11 to 17\/	0.74	NU700C12WSM		
277	0.06A	15.5	12	11 to 17V	0.7A			

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}_{ighting}^{age}$  ltd.

Output Range 15V to 24V Constant Current **700mA** Max **17W** Small Case Size

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 15V to 24V for Single Output circuit 17W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%	
EMI FCC Part 15 Cl	ass A	Output Load range	<u>+</u> 5%	
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ	
Output Open/Short P	rotection	THD:	< 20%	
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90	
Max. Case Temp: 90° C		Remote Wiring Distance Full Load: 18AWG -18 ft		
Typical Efficiency:	80%			

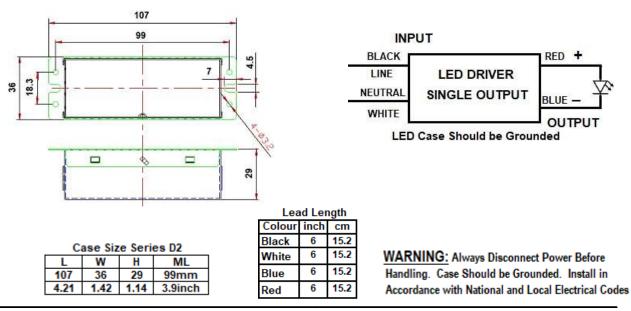
### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.18A	21	47	15 to 241/	0.74	NU700C17WSM
277	0.08A	21	17	15 to 24V	0.7A	

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 17V to 28V Constant Current 700mA Max 20W

Compact Case with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 17V to 28V for Single Output circuit 20W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	Input Voltage ran	
EMI FCC Part 15, 0	Output Load rang	
Rating: IP 65 Damp,	, Dry	Input Frequency:
Output Open/Short	Protection	THD:
Min. Starting Temp:	- 40° C	Power Factor Min
Max. Case Temp:	90° C	Remote Wiring Dis
Typical Efficiency:	80%	

nput Voltage range:±10%Dutput Load range±5%nput Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG - 18 ft

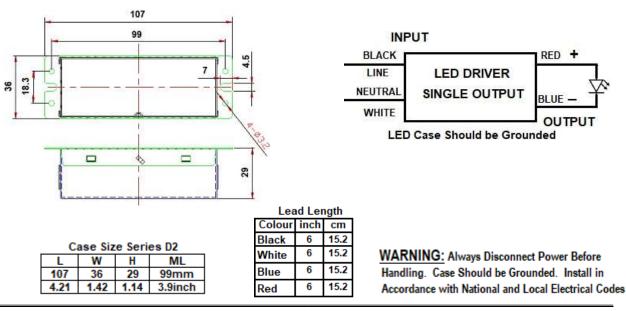
### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL					
120	0.21A	25	25	25	25	25	25	20	17 to 29\/	0.74	NU700C20WSM
277	0.10A		20	17 to 28V	0.7A						

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 ${m L}^{age}_{ighting \, ltd.}$ 

Output Range 36V to 60V Constant Current 700mA Max 42W

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 36V to 60V for Single Output circuit 42W maximum.

### **Technical Specification:**

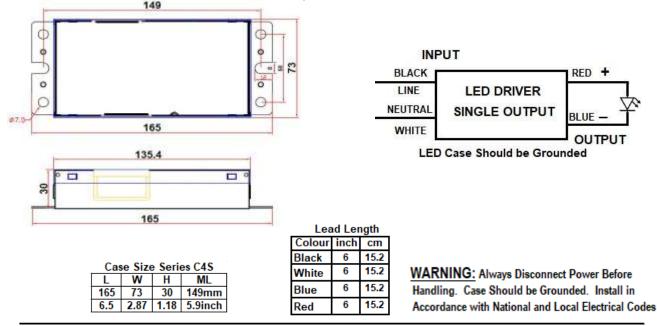
Class 2 UL, CUL LVLE, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 86% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series C4S

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 05/5/18							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.44A	40	40	26 to 60\/	0.74	NU700C42WS		
277	0.19A	49	42	36 to 60V	0.7A	NU700C42W3		

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  ltd.

Output Range 43V to 71V Constant Current 700mA Max 50W

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 43V to 71V for Single Output circuit 50W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.95Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC	OUTPUT CURRENT AMPS	MODEL
120	0.50A	50	50	12 to 71\/	0.7A	NU700C50WRS
277	0.22A	58	50	43 to 71V	0.7A	NU700C50WR5

#### LIMITED WARRANTY

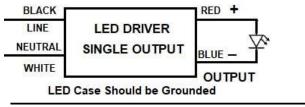
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length					
Colour	inch	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			

L	W	H	ML
241	43	29.5	226mm
9.5	1.7	1.2	8.9 inch

225.1

INPUT



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Range 43V to 71V Constant Current **700mA** Max **50W** 

Small Case Size with leads

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 43V to 71V for Single Output circuit 50W maximum.

### **Technical Specification:**

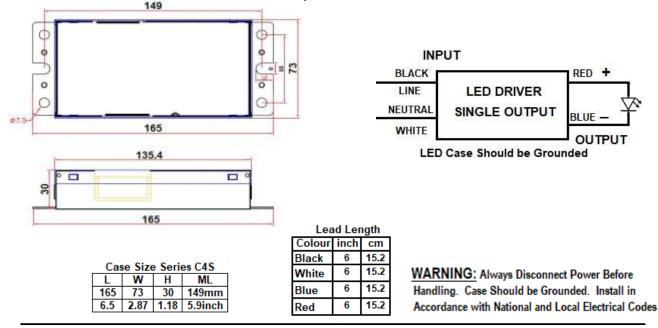
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 85% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series C4S

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 5/7/22								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC	OUTPUT CURRENT AMPS	MODEL		
120	0.50A	58	50	50	50	43 to 71V	0.7A	NU700C50WS
277	0.22A	50	50	43 10 7 1 V	0.7A	N0700C50W3		

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{T}_{ighting}^{age}$  ltd.

Output Range 8V to 14V Constant Current **900mA** Max **12.6W** Small Case Size

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 8V to 14V for Single Output circuit 12.6W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 82% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

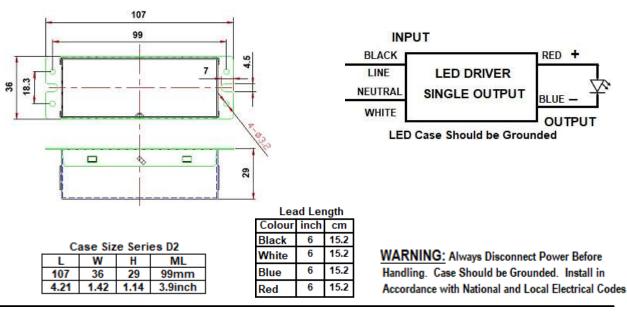
### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.29A	15.4	12.6	8 to 14V	0.04	NI 1000C12WSM	
277	0.13A	15.4	12.0	8 l0 14V	0.9A	NU900C13WSM	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}^{age}_{ighting \ ltd.}$ 

Output Range 3V to 5V Constant Current **1050mA** Max **5W** Small Case Size

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 3V to 5V for Single Output circuit 5W maximum.

### **Technical Specification:**

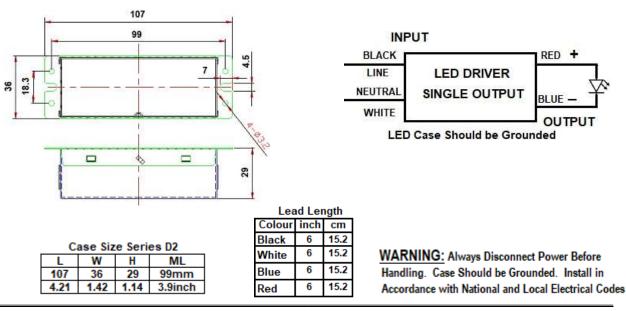
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loc	nd: 18AWG -18 ft
Typical Efficiency: 75%		

### Case Size: Series D2

Due to continuing	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice R03/01/15						
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.07A	7	F	3V to 5V	1.05A	NU1050C5WSM	
277	0.03A	/	5	30 10 50	1.05A	NO TOSOCSVVSIM	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 ${m L}^{age}_{ighting \, ltd.}$ 

Output Range 7V to 11V Constant Current 1050mA Max 12W Small Case Size

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 7V to 11V for Single Output circuit 12W maximum.

### **Technical Specification:**

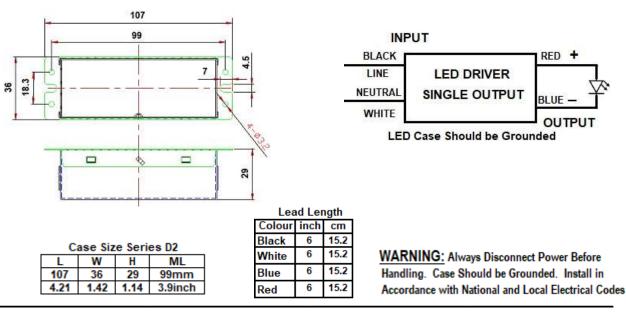
Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full L	oad: 18AWG -18 ft
Typical Efficiency: 76%		

### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice R03/01/15							
INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	12	0.12A	15.5	7V to 11V	1.05A	NU1050C12WSM	
277	12	0.06A	10.0		1.05A	NO TUSUE TZWSM	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\dot{Z}^{age}_{ighting \ ltd.}$ 

Output Range 86V to 144V Constant Current 1100mA Max 158W

Universal Voltage 120-277V Electronic Constant Current 1100mA LED Driver. Output Range of 86V to 144V for Single circuit 158W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG- 18 ft

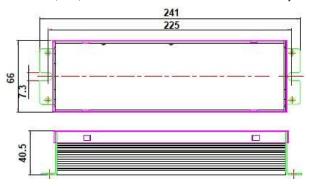
### Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	178	158	86 to 144V	1.1A	NU1100C158WS

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



INP	UT	
BLACK		RED +
LINE	LED DRIVER	
NEUTRAL	SINGLE OUTPUT	BLUE -
WHITE		OUTPUT

LED Case Should be Grounded

				Lead Length		
				Colour	inch	cm
Ca	se Si	ze Ser	ies FS5	Black	6	15.2
L	W	H	ML	White	6	15.2
241	66	40.5	226mm	Blue	6	15.2
9.5	2.6	1.6	8.9inch	Red	6	15.2

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

age ighting ltd.

Output Range 27V to 45V Constant Current 2000mA Max 90W

Universal Voltage 120-277V Electronic Constant Current LED Driver Output Range of 27V to 45V for Single Output circuit 90W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Co	mpliant Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency: 85%		

### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC	OUTPUT CURRENT AMPS	MODEL
120	0.95A	105	00	07  to  45  V	2.04	NU2000C90WS
277	0.41A	105	90	27 to 45V	2.0A	1102000030003

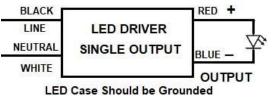
### LIMITED WARRANTY

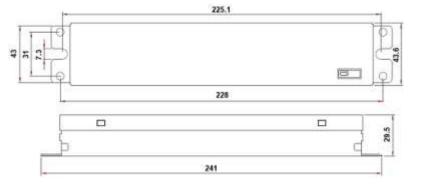
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length							
Colour	inch	cm					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					

1	W	н	MI
241	43	29.5	226mm
9.5	1.7	1.2	8.9 inch







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



### Output Range 15V to 25V Constant Current 3150mA Max 79W

Universal Voltage 120-277V Electronic Constant Current LED Driver. Output Range of 15V to 25V for Single Output circuit 79W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant							
EMI FCC Part 15, Class A							
Rating: IP 65 Damp, Dry							
Output Open/Short Protection							
Min. Starting Temp: - 40° C							
Max. Case Temp: 90° C							
Typical Efficiency: 87%							

Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG-18 ft

### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.45A	91	79	15 to 25V	3.15A	NU3150C79WS
277	0.64A		19	13 10 23 V	5.15A	103130079W3

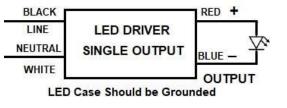
### LIMITED WARRANTY

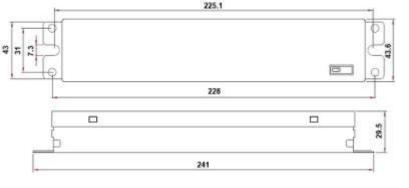
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length								
Colour	inch	cm						
Black	6	15.2						
White	6	15.2						
Blue	6	15.2						
Red	6	15.2						

Case Size Series MU2							
L	W	Н	ML				
241	43	29.5	226mm				
9.5	1.7	1.2	8.9 inch				

INPUT





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



### Output Range 29V to 48V Constant Current **3900mA** Max **187W**

Universal Voltage 120-277V Electronic Constant Current LED Driver. Output Range of 29V to 48V for Single circuit 187W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance F	ull Load: 18AWG -18 ft

### Case Size: Series FS5

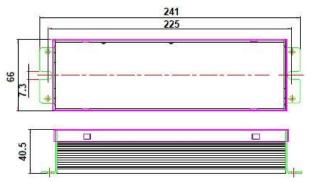
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT AMPS	INPUT POWER WATTS	OUTPUT POWER WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.78A	214	187	29 to 48V	3.9A	NU3900C187WS
277	0.78A		107	2310401	5.9A	1003000107103

### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

INPLIT



BLACK		RED +
LINE	LED DRIVER	
NEUTRAL	SINGLE OUTPUT	BLUE -
WHITE		OUTPUT

Lead Length Colour inch cm Black 15.2 6 **Case Size Series FS5** White 6 15.2 W H ML . 15.2 6 241 66 40.5 226mm Blue 1.6 8.9inch 9.5 2.6 6 15.2 Red

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Dage Lighting ltd.

# Sage

## 120-277V & 347V Dimmable Fixed Current Circular (UFO) LED Drivers

Sage offers a large selection of 120-277V Dimmable fixed Current Circular (UFO) LED Drivers are IP66 rated. These drivers are designed for a select group of OEM Fixture manufactures. These drivers provide flexibility and choices for Fixture Manufacturers to offer a unique range of luminaires.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 1600mA to 6700mA

### 347V CIRCULAR LED DRIVER 100W 0-10V Dimming UFO Output Range 36V to 60V Constant Current 1600mA Max 100W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 100W maximum.

### **Technical Specification:**

**UL, CUL Certified, ROHS Compliant** EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: Typical Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft

### Case Size: Series UF1

Due to continuing effo	orts to offer improved pro	oducts all spec	ifications are subject to	change without prior no	DTICE	

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.33A	115	100	36 to 60V	1.6A	UNC1600C100WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage. installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lea	d Lengt	h	0-10V	Dimmer			
Colour	inch	cm	Compatil	bility Chart			
Black	11.8	30	LUTRON	LEVITON			PINK
White	11.8	30	NFTV	DS710-10Z		1.	
Green	11.8	30	DVTV-WH				]
Blue	7.9	20			RED +		GREEN INHITE
Red	7.9	20				1=7	BLACK
Pink	7.0	18					
Purple	7.0	18					
C 6	to Socioc	1154					1.4

Case 5	ize Seri	es ur1
Diameter	Height	ML
132	72	113mm
5.2	2.83	4.45 inch

LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



#T

### 347V CIRCULAR LED DRIVER 100W 0-10V Dimming UFO Output Range 32V to 54V Constant Current 1900mA Max 100W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 100W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

### Case Size: Series UF1

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.33A	114	100	32 to 54V	1.9A	UNC1900C100WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

**Case Size Series UF1** 

72

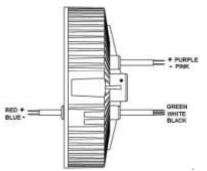
2.83

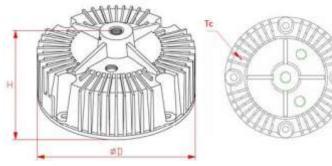
Diameter Height

132

5.2

0-10V Dimmer						
<b>Compatibility Chart</b>						
LUTRON LEVITON						
NFTV	DS710-10Z					
DVTV-WH						





### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

113mm

4.45 inch



### 347V CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 36V to 60V Constant Current 2600mA Max 160W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 160W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft

### Case Size: Series UF2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.51A	178	160	36 to 60V	2.6A	UNC2600C160WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2

72

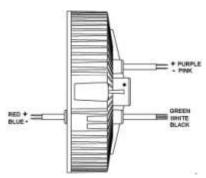
2.83

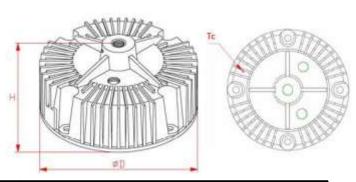
Diameter Height

152

5.98

0-10V Dimmer							
Compatibility Chart							
LUTRON LEVITON							
NFTV	DS710-10Z						
DVTV-WH							





### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

132mm

5.2 inch

Page Lighting ltd.

### 347V CIRCULAR LED DRIVER 100W 0-10V Dimming UFO Output Range 22V to 36V Constant Current 2800mA Max 100W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 100W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series UF1

PURPLE

INHI TE

Due to continuing efforts to offer improved products all specifications are subject to change with	hout prior notice
--	-------------------

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.33A	114	100	22 to 36V	2.8A	UNC2800C100WSD

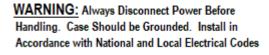
LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lea	d Lengt	h	0-10V	Dimmer			
Colour	inch	cm	Compatil	bility Chart			
Black	11.8	30	LUTRON	LEVITON	Ī		=
White	11.8	30	NFTV	DS710-10Z		1	
Green	11.8	30	DVTV-WH				
Blue	7.9	20			RED +		
Red	7.9	20			27 Mar.	1 7	8
Pink	7.0	18					
Purple	7.0	18					
			-				
Case Si	ze Series	UF1					

D:	II. Carles	8.41
Diameter	Height	ML
132	72	113mm
5.2	2.83	4.45 inch

LED Case Must be Grounded



901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com  ${ar{E}}_{\!\!\!ighting\,ltd.}^{\!\!\!age}$ 

:01

### 347V CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 32V to 54V Constant Current 3000mA Max 160W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 160W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft

### Case Size: Series UF2

Due to continuing efforts to offer improved products all specifications are subject to ch	inge without prior notice
---	---------------------------

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.51A	178	160	32 to 54V	3.0A	UNC3000C160WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2

72

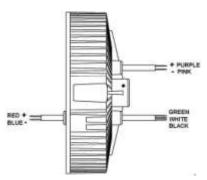
2.83

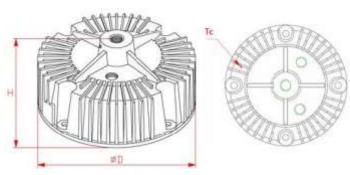
Diameter Height

152

5.98

0-10V Dimmer						
<b>Compatibility Chart</b>						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						





### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

132mm

5.2 inch

**L**ighting ltd.

### 347V CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 29V to 48V Constant Current 3300mA Max 160W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 160W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series UF2

Due to continuing efforts to offer improved products all specifications are subject to change without prior	notice
---	--------

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.51A	178	160	29 to 48V	3.3A	UNC3300C160WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

**Case Size Series UF2** 

72

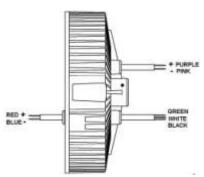
2.83

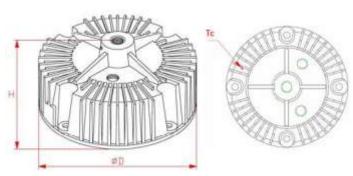
Diameter Height

152

5.98

0-10V Dimmer						
<b>Compatibility Chart</b>						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						





### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML 132mm

5.2 inch

Lighting ltd.

### 347V CIRCULAR LED DRIVER 200W 0-10V Dimming UFO Output Range 36V to 60V Constant Current 3400mA Max 200W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 200W maximum.

### **Technical Specification:**

**UL, CUL Certified, ROHS Compliant** FCC Part 15, Class A EMI Rating: IP 65 Type HL Surge: 2KV **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range: + 10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

### Case Size: Series UF2

Due to continuing efforts t	to offer improved pro	ducts all spec	ifications are subject f	to change without p	orior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.64A	225	200	36 to 60V	3.4A	UNC3400C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2

72

2.83

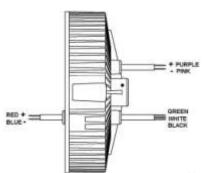
Diameter Height

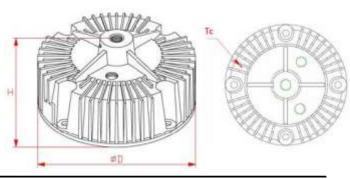
152

5.98

0-10V Dimmer				
<b>Compatibility Chart</b>				
LUTRON	LEVITON			
NFTV	DS710-10Z			
DVTV-WH				

.....





### LED Case Must be Grounded

### WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

132mm

5.2 inch

ighting ltd.

### 347V CIRCULAR LED DRIVER 200W 0-10V Dimming UFO Output Range 32V to 54V Constant Current 3700mA Max 200W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
<b>Remote Wiring Distance Ful</b>	Load: 18AWG -18 ft

### Case Size: Series UF2

Due to continuing efforts to offer improved products all specifications are subject to	to change without prior notice
--	--------------------------------

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.64A	225	200	32 to 54V	3.7A	UNC3700C200WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2

72

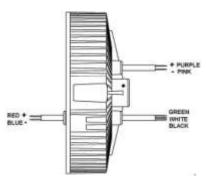
2.83

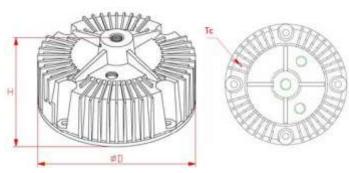
Diameter Height

152

5.98

0-10V Dimmer				
<b>Compatibility Chart</b>				
LUTRON	LEVITON			
NFTV	DS710-10Z			
DVTV-WH				





### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

132mm

5.2 inch

**L**ighting ltd.

### 347V CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 36V to 60V Constant Current 4000mA Max 240W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 240W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

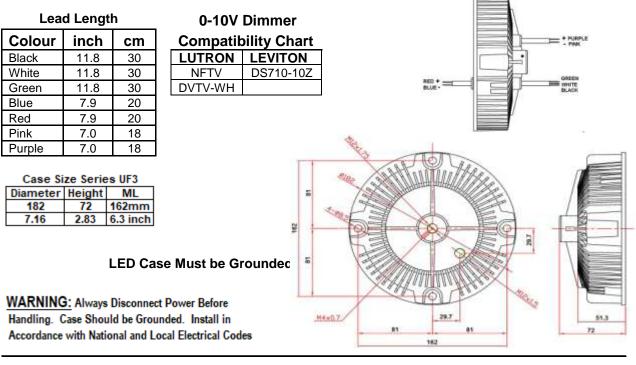
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	II Load: 18AWG -18 ft

### Case Size: Series UF3

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice						
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347V	0.78A	267	240	36 to 60V	4.0A	UNC4000C240WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





### 347V CIRCULAR LED DRIVER 200W 0-10V Dimming UFO Output Range 29V to 48V Constant Current 4300mA Max 200W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft

### Case Size: Series UF2

Due to continuing efforts to offe	er improved products all	specifications are subject	t to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.64A	225	200	29 to 48V	4.3A	UNC4300C200WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2 Diameter Height ML

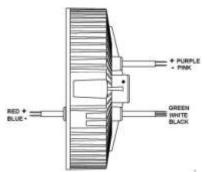
72

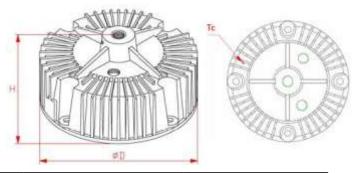
2.83

152

5.98

0-10V Dimmer						
<b>Compatibility Chart</b>						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						





### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML 132mm

5.2 inch

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com  $\hat{E}_{ighting}^{age}$  (id.

### 347V CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 22V to 36V Constant Current 4500mA Max 160W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 160W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series UF2

L	Jue to continuing effo	orts to offer improved proc	ducts all spec	ifications are subject to	change without prior no	tice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.51A	178	160	22 to 36V	4.5A	UNC4500C160WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2

72

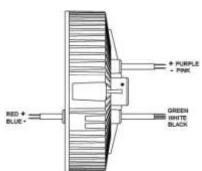
Diameter Height

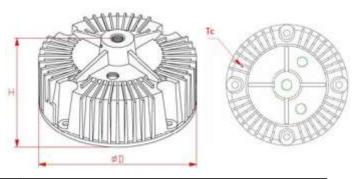
152

5.98

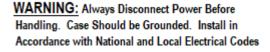
0-10V Dimmer						
Compatibility Chart						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						

. . . . . .





### LED Case Must be Grounded



ML

2.83 5.2 inch

132mm

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com  $\hat{E}_{ighting}^{age}$  (1d.

### 347V CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 29V to 48V Constant Current 5000mA Max 240W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 240W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

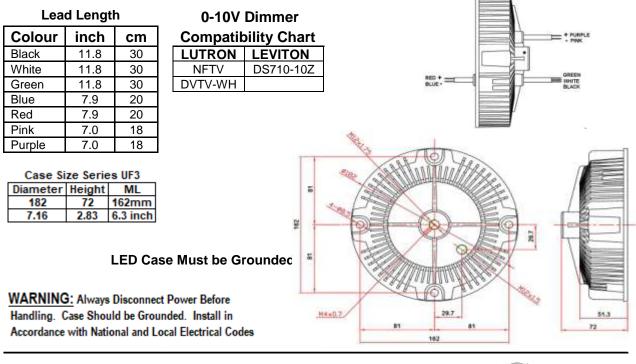
### Case Size: Series UF3

Due to continuing efforts to offer improved products all specifications are subject to of	change without prior notice
---	-----------------------------

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.78A	267	240	29 to 48V	5.0A	UNC5000C240WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**Z**ighting ltd.

### 347V CIRCULAR LED DRIVER 200W 0-10V Dimming UFO Output Range 22V to 36V Constant Current 5600mA Max 200W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

### Case Size: Series UF2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice
--

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.64A	225	200	22 to 36V	5.6A	UNC5600C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

### Lead Length

Colour	inch	cm	
Black	11.8	30	
White	11.8	30	
Green	11.8	30	
Blue	7.9	20	
Red	7.9	20	
Pink	7.0	18	
Purple	7.0	18	

Case Size Series UF2

72

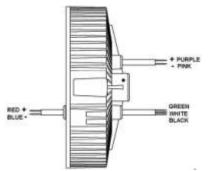
2.83

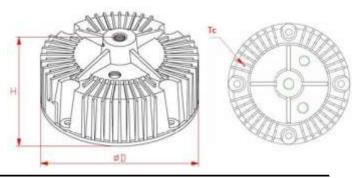
Diameter Height

152

5.98

0-10V Dimmer							
<b>Compatibility Chart</b>							
LUTRON	LEVITON						
NFTV	DS710-10Z						
DVTV-WH							





### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML 132mm

5.2 inch



### 347V CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 22V to 36V Constant Current 6700mA Max 240W

347V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 240W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

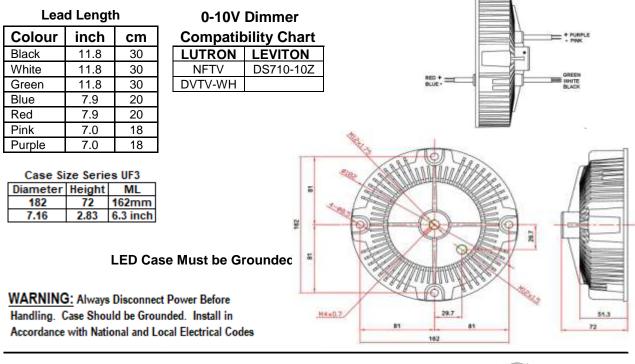
### Case Size: Series UF3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice
--

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347V	0.78A	267	240	22 to 36V	6.7A	UNC6700C240WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

# **CIRCULAR LED DRIVER 100W 0-10V Dimming**

UFO Output Range 36V to 60V Constant Current 1600mA Max 100W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 100W maximum.

## **Technical Specification:**

UL, CUL Certified, ROHS Compliant FCC Part 15, Class A EMI Rating: IP 65 Type HL Surge: 2KV **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

Input Voltage range: +10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

#### Case Size: Series UF1

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.96A - 0.42A	114	100	36 to 60V	1.6A	UNU1600C100WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length Colour inch cm Black 11.8 30 White 11.8 30 Green 11.8 30 Blue 7.9 20 7.9 20 Red Pink 7.0 18 7.0 Purple 18

**Case Size Series UF1** 

72

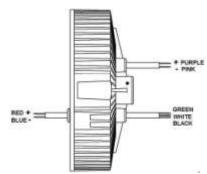
Diameter Height

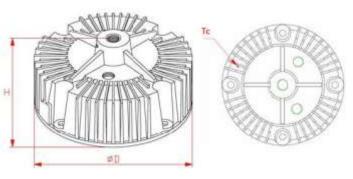
132

5.2

0-10V Dimmer						
<b>Compatibility Chart</b>						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						

Due to continuing offerts to offer improved products -11 enceitions are subject to change without prior paties





#### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

113mm 2.83 4.45 inch

**L**ighting ltd.

# CIRCULAR LED DRIVER 100W 0-10V Dimming UFO Output Range 32V to 54V Constant Current 1900mA Max 100W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 100W maximum.

## **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series UF1

Due to continuing efforts to offer improv	ed products all specifications are sub	hiert to change without prior potice
Due to continuing enorts to oner improv	eu producio an opecificationo are our	Jeel to change without phot house

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.96A - 0.42A	114	100	32 to 54V	1.9A	UNU1900C100WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

**Case Size Series UF1** 

72

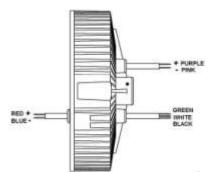
2.83

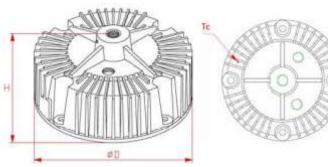
Diameter Height

132

5.2

0-10V Dimmer						
<b>Compatibility Chart</b>						
LUTRON LEVITON						
NFTV	DS710-10Z					
DVTV-WH						





#### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

113mm

4.45 inch

Dage Lighting ltd.

# CIRCULAR LED DRIVER 100W 0-10V Dimming UFO Output Range 29V to 48V Constant Current 2000mA Max 100W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 100W maximum.

## **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

#### Case Size: Series UF1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	0.96A - 0.42A	114	100	29 to 48V	2.0A	UNU2000C100WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

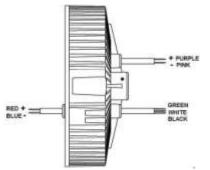
**Case Size Series UF1** Diameter Height

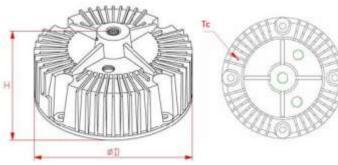
72

132

5.2

0-10V Dimmer						
<b>Compatibility Chart</b>						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						





#### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

113mm

2.83 4.45 inch



# CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 36V to 60V Constant Current 2600mA Max 160W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 160W maximum.

# **Technical Specification:**

UL, CUL Certified, ROHS Compliant FCC Part 15, Class A EMI Rating: IP 65 Type HL Surge: 2KV **Output Open/Short Protection** Min. Starting Temp: - 40° C Max. Case Temp: 90° C **Typical Efficiency:** 90%

Input Voltage range: + 10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

#### Case Size: Series UF2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.48A - 0.64A	178	160	36 to 60V	2.6A	UNU2600C160WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

**Case Size Series UF2** 

72

2.83

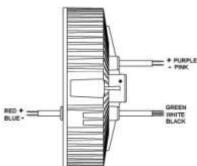
Diameter Height

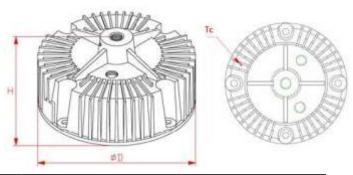
152

5.98

0-10V Dimmer							
Compatibility Chart							
LUTRON	LEVITON						
NFTV	DS710-10Z						
DVTV-WH							

. . . . . .





#### LED Case Must be Grounded

#### WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

132mm

5.2 inch



# CIRCULAR LED DRIVER 100W 0-10V Dimming UFO Output Range 22V to 36V Constant Current 2800mA Max 100W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 100W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

#### Case Size: Series UF1

L	INPUT VOLTAGE		INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120V-277V	0.96A - 0.42A	114	100	22 to 36V	2.8A	UNU2800C100WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

**Case Size Series UF1** 

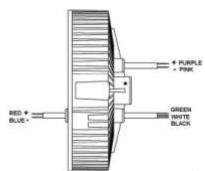
72

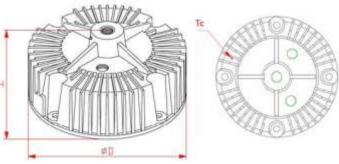
Diameter Height

132

5.2

0-10V Dimmer							
<b>Compatibility Chart</b>							
LUTRON	LEVITON						
NFTV	DS710-10Z						
DVTV-WH							





#### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

113mm

2.83 4.45 inch

**L**ighting ltd.

# CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 32V to 54V Constant Current 3000mA Max 160W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 32V to 54V for Single circuit 160W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV **Output Open/Short Protection** - 40° C Min. Starting Temp: 90° C Max. Case Temp: Typical Efficiency: 90%

Input Voltage range: +10% Output Load range + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

#### Case Size: Series UF2

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.48A - 0.64A	178	160	32 to 54V	3.0A	UNU3000C160WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

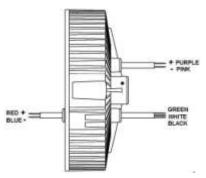
**Case Size Series UF2** Diameter Height

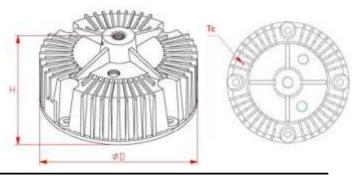
72

152

5.98

0-10V Dimmer						
Compatibility Chart						
LUTRON	LEVITON					
NFTV	DS710-10Z					
DVTV-WH						





#### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

132mm

2.83 5.2 inch

901 - 3rd Street West, North Vancouver, BC V7P 3P9 TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

Canada

age ighting ltd.

# CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 29V to 48V Constant Current 3300mA Max 160W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 160W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV **Output Open/Short Protection** - 40° C Min. Starting Temp: 90° C Max. Case Temp: Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< <b>20</b> %
Power Factor Min:	0.90
Remote Wiring Distance Fu	II Load: 18AWG -18 ft

#### Case Size: Series UF2

INPUT VOLTAGE		INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120V-277V	1.48A - 0.64A	178	160	29 to 48V	3.3A	UNU3300C160WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

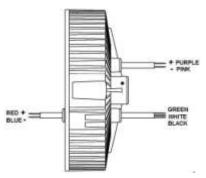
**Case Size Series UF2** Diameter Height

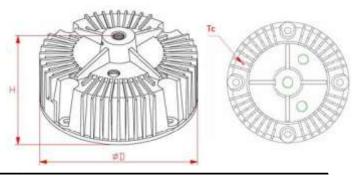
72

152

5.98

0-10V Dimmer Compatibility Chart					
LUTRON LEVITON					
NFTV	DS710-10Z				
DVTV-WH					





#### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

132mm

2.83 5.2 inch

901 - 3rd Street West, North Vancouver, BC V7P 3P9 TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

Canada

oage uighting ltd.

# CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 36V to 60V Constant Current 4000mA Max 240W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 36V to 60V for Single circuit 240W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

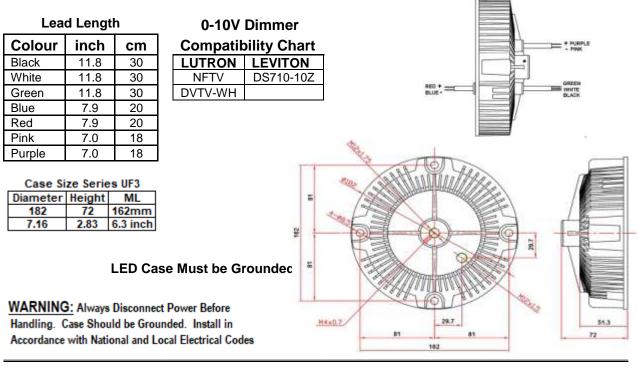
#### Case Size: Series UF3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	2.23A - 0.96A	267	240	36 to 60V	4.0A	UNU4000C240WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# CIRCULAR LED DRIVER 200W 0-10V Dimming UFO Output Range 28V to 46V Constant Current 4300mA Max 200W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 28V to 46V for Single circuit 200W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 89%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft

#### Case Size: Series UF2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice
--

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	1.78A - 0.78A	225	200	28 to 46V	4.3A	UNU4300C200WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2 Diameter Height ML

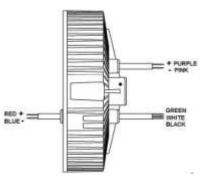
72

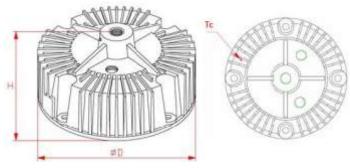
2.83

152

5.98

0-10V Dimmer			
<b>Compatibility Chart</b>			
LUTRON	LEVITON		
NFTV	DS710-10Z		
DVTV-WH			





#### LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML 132mm

5.2 inch

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Can TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

Canada

Dage Lighting ltd.

# CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 33V to 56V Constant Current 4300mA Max 240W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 33V to 56V for Single circuit 240W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 87%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Ful	I Load: 18AWG -18 ft

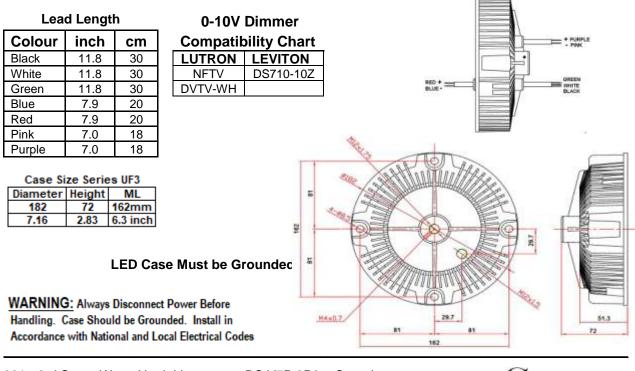
#### Case Size: Series UF3

Due to continuing efforts to offer imp	proved products all specifications are sub	piect to change without prior notice
Bue to containing energe to ener imp	forou producto an opcomoducito dio cui	Joor to onlange manour phor notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	2.23A - 0.96A	275	240	33 to 56V	4.3A	UNU4300C240WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\mathbf{\hat{Z}}_{ighting}^{age}$  (id.

# CIRCULAR LED DRIVER 160W 0-10V Dimming UFO Output Range 22V to 36V Constant Current 4500mA Max 160W

Universal Voltage 120-277V Electronic Constant Current 4500mA Circular Enclosure LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 160W maximum.

## **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series UF2

0	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice						
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120V-277V	1.48A - 0.64A	178	160	22 to 36V	4.5A	UNU4500C160WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Lead Length

Colour	inch	cm
Black	11.8	30
White	11.8	30
Green	11.8	30
Blue	7.9	20
Red	7.9	20
Pink	7.0	18
Purple	7.0	18

Case Size Series UF2

72

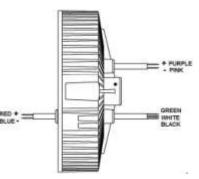
2.83

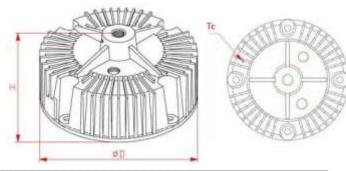
Diameter Height

152

5.98

0-10V Dimmer			
<b>Compatibility Chart</b>			
LUTRON	LEVITON		
NFTV	DS710-10Z		
DVTV-WH			





LED Case Must be Grounded

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

ML

5.2 inch

132mm

Pighting ltd.

# CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 32V to 54V Constant Current 4500mA Max 240W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming.. Output Range of 32V to 54V for Single circuit 240W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

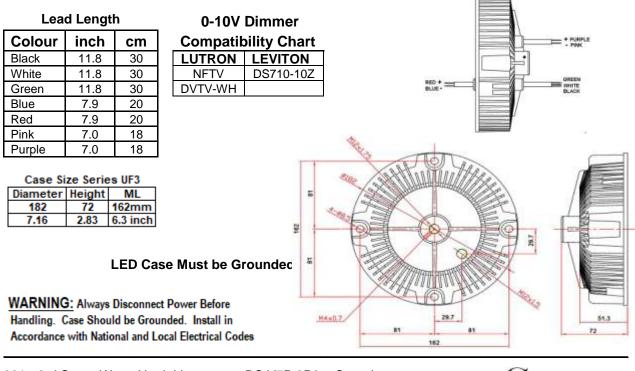
#### Case Size: Series UF3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	2.23A - 0.96A	267	240	32 to 54V	4.5A	UNU4500C240WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



**L**ighting ltd.

# CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 29V to 48V Constant Current 5000mA Max 240W

Universal Voltage 120-277V Electronic Constant Current Circular Enclosure LED Driver 0-10V Dimming. Output Range of 29V to 48V for Single circuit 240W maximum.

### **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

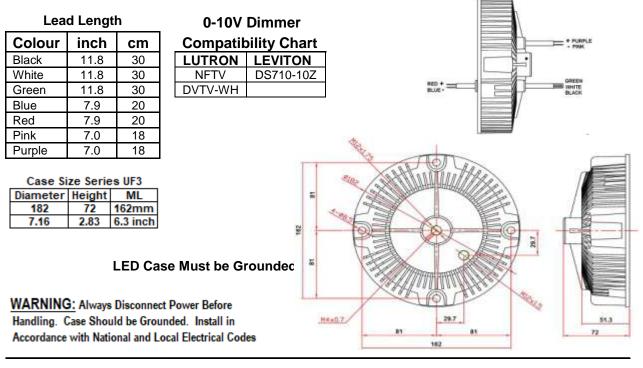
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full	Load: 18AWG -18 ft

#### Case Size: Series UF3

D	ue to continuing effor	ts to offer improved pro	ducts all spec	ifications are subject to cl	hange without prior	notice	
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120V-277V	2.23A - 0.96A	267	240	29 to 48V	5.0A	UNU5000C240WSD

I IMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# CIRCULAR LED DRIVER 240W 0-10V Dimming UFO Output Range 22V to 36V Constant Current 6700mA Max 240W

Universal Voltage 120-277V Electronic Constant Current 6700mA Circular Enclosure LED Driver 0-10V Dimming. Output Range of 22V to 36V for Single circuit 240W maximum.

## **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Type HL Surge: 2KV Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

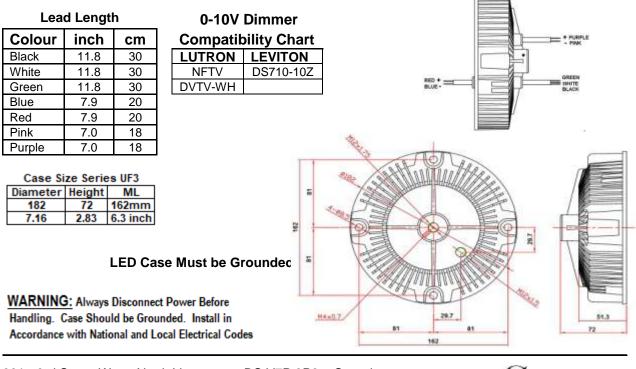
#### Case Size: Series UF3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120V-277V	2.23A - 0.96A	267	240	22 to 36V	6.7A	UNU6700C240WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer







# 347V Dimmable Constant Voltage LED Drivers

Sage offers a large selection of 347V & 347-480V Dimmable Constant Voltage LED Drivers. These drivers are available in multiple Form factor.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Voltage: 12V to 48V

# 347V LED DRIVER 60W 0-10V Dimming

Low Voltage 12V Output Constant Voltage Max 60W

347V input Electronic LED Driver. 12V output Constant Voltage for Single circuit 60W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

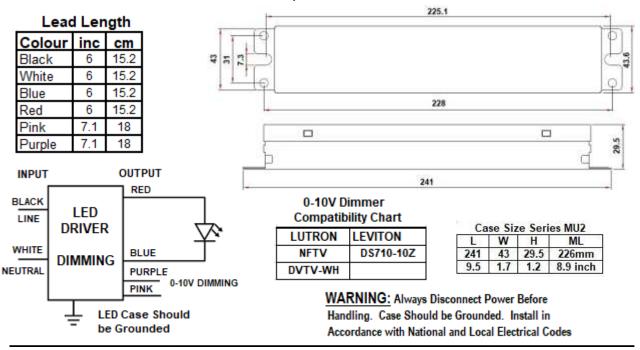
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
THD:	< 20%
Input Frequency:	50/60HZ
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft
Surge Protection:	2 KV

#### Case Size: Series MU2

D	ue to continuing e	2/2/17					
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	0.20A	71	60	12V	0.5-5A	NC12V60WSDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER 100W 0-10V Dimming

Low Voltage 12V Output Constant Voltage Max 100W

347V input Electronic LED Driver. 12V output Constant Voltage for Single circuit 100W maximum. Dimming Range 10-100%.

# **Technical Specification:**

gnized, ROHS Compliant	Input
Class A	Outp
, Dry	Input
Protection	THD:
- 40° C	Powe
90° C	Remo
89%	
	90° C

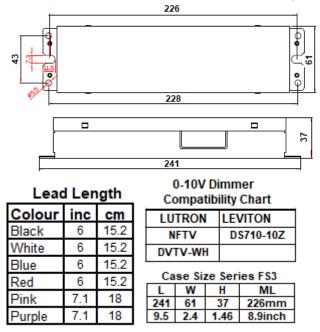
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Mounting Distance:	18AWG -18 ft

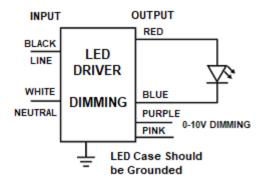
#### Case Size: Series FS3

Due to continuing	efforts to offer impro	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 2										
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL						
347	0.32A	112	100	12V	0.833 - 8.33A	NC12V100WSDIM						

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# 347V LED DRIVER 150W 0-10V Dimming

Low Voltage 12V Output Constant Voltage Max 150W

347V input Electronic LED Driver. 12V output Constant Voltage for Single circuit 150W maximum. Dimming Range 10-100%.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

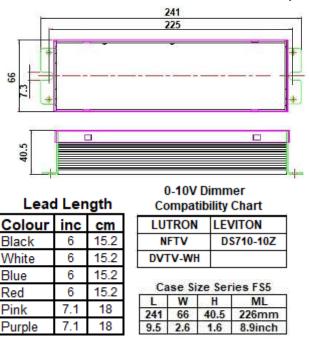
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Mounting Distance:	18AWG -18 ft

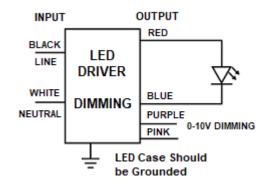
#### Case Size: Series FS5

Ľ	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/9/16										
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE OUTPUT CURRENT AMPS		MODEL				
	347	0.48A	166	150	36V	1.25 – 12.5A	NC12V150WSDIM				

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}_{ighting}^{age}$  (id.

# 347V LED DRIVER 60W 0-10V Dimming

Low Voltage 24V Output Constant Voltage Max 60W

347V input Electronic LED Driver. 24V output Constant Voltage for Single circuit 60W maximum Dimming.

## **Technical Specification:**

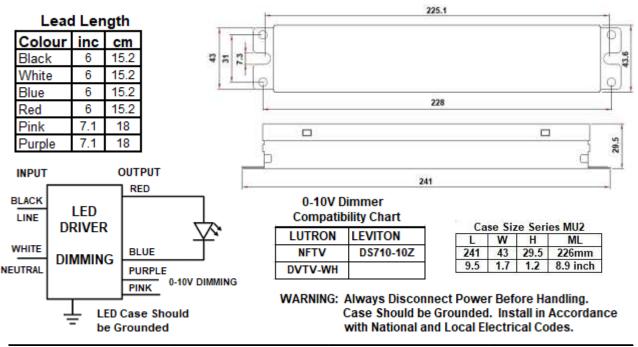
Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88% Input Voltage range:±10%Output Load range±5%THD:< 20%</td>Input Frequency:50/60HZPower Factor Min:0.90Remote Wiring Distance Full Load:18AWGSurge Protection:2 KV

#### Case Size: Series MU2

D	ue to continuing e	2/2/17					
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	0.20A	71	60	24	0.25-2.5A	NC24V60WSDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER 100W 0-10V Dimming

Low Voltage 24V Output Constant Voltage Max 100W

347V input Electronic LED Driver. 24V output Constant Voltage for Single circuit 100W maximum. Dimming Range 10-100%.

# **Technical Specification:**

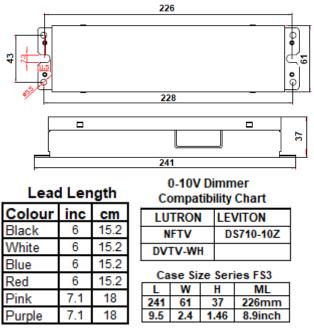
Class 2 UL, CUL Recognized, ROHS Co	mpliant Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 10%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency: 90%		

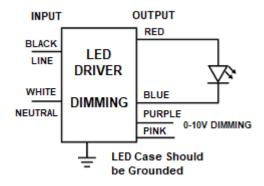
#### Case Size: Series FS3

Due to continuing e	2/6/22					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.32A	111	100	24V	0.41 - 4.1A	NC24V100WSDIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# 347V LED DRIVER 150W 0-10V Dimming

Low Voltage 24V Output Constant Voltage Max 150W

347V input Electronic LED Driver. 24V output Constant Voltage for Single circuit 150W maximum. Dimming Range 10-100%.

# **Technical Specification:**

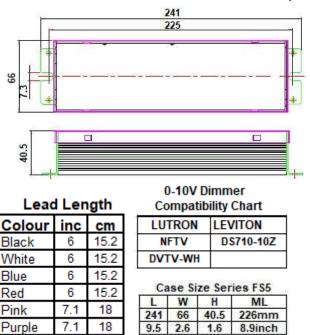
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 91% Input Voltage range:±10%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG -18 ft

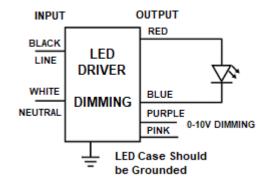
#### Case Size: Series FS5

D	ue to continuing e	1/9/16					
	INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	150	0.48A	163	24V	0.625 - 6.25A	NC24V150WSDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# 347V LED DRIVER 60W 0-10V Dimming

Low Voltage 36V Output Constant Voltage Max 60W

347V input Electronic LED Driver. 36V output Constant Voltage for Single circuit 60W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

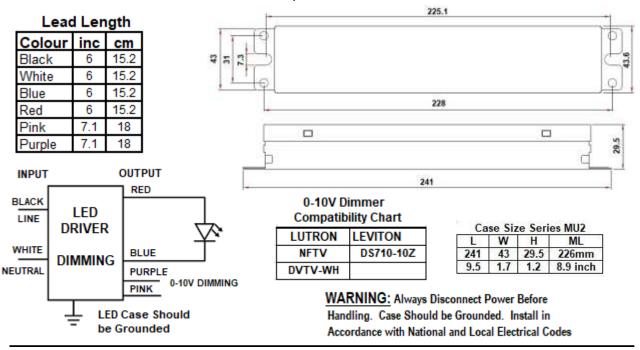
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
THD:	< 20%
Input Frequency:	50/60HZ
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft
Surge Protection:	2 KV

#### Case Size: Series MU2

Dι	e to continuing e	fforts to offer impro	2/2/17				
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	0.20A	71	60	36V	0.167-1.67A	NC36V60WSDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER 100W 0-10V Dimming

Low Voltage 36V Output Constant Voltage Max 100W

347V input Electronic LED Driver. 36V output Constant Voltage for Single circuit 100W maximum. Dimming Range 10-100%.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

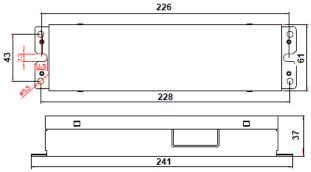
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Mounting Distance:	18AWG -18 ft

#### Case Size: Series FS3

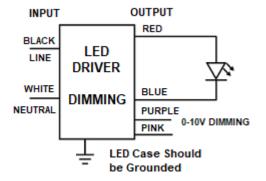
Ľ	ue to continuing e	1/9/16					
	INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	100	0.32A	111	36V	0.27 - 2.7A	NC36V100WSDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart				
Colour	inc	cm	1	LUTRON		L	EVITON	
Black	6	15.2		NFTV		_	D\$710-10Z	
White	6	15.2		DVTV-WH		1		
Blue	6	15.2						
Red	6	15.2		Ca		ze Se	ries FS3	
Pink	71	18		L	W	Н	ML	
FIIIK	1.1	10		241	61	37	226mm	
Purple	7.1	18		9.5	2.4	1.46	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\overset{Sage}{Lighting}$  ltd.

# 347V LED DRIVER 150W 0-10V Dimming

Low Voltage 36V Output Constant Voltage Max 150W

347V input Electronic LED Driver. 36V output Constant Voltage for Single circuit 150W maximum. Dimming Range 10-100%.

# **Technical Specification:**

UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 92%

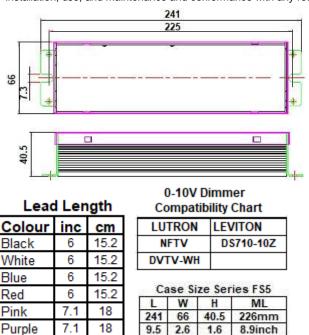
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Mounting Distance:	18AWG -18 ft

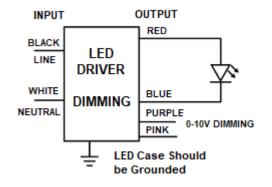
#### Case Size: Series FS5

[	Due to continuing e	1/9/16					
	INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	150	0.47A	163	36V	0.416 - 4.16A	NC36V150WSDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# 347V LED DRIVER 60W 0-10V Dimming

Low Voltage 48V Output Constant Voltage Max 60W

347V input Electronic LED Driver. 48V output Constant Voltage for Single circuit 60W maximum Dimming Range 10-100%.

# **Technical Specification:**

Class 2 UL Listed, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

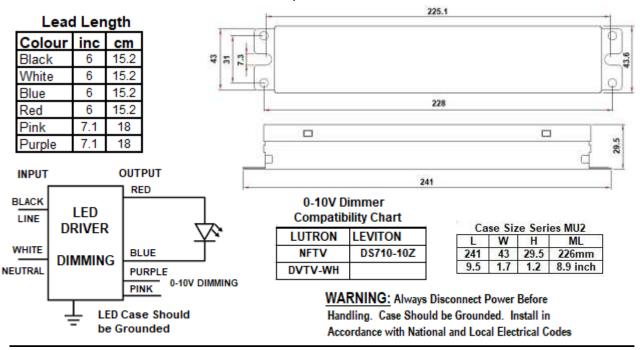
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
THD:	< 20%
Input Frequency:	50/60HZ
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft
Surge Protection:	2 KV

#### Case Size: Series MU2

D	ue to continuing e	2/2/17					
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	0.20A	71	60	48V	0.125-1.25A	NC48V60WSDIM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# 347V LED DRIVER 100W 0-10V Dimming

Low Voltage 48V Output Constant Voltage Max 100W

347V input Electronic LED Driver. 48V output Constant Voltage for Single circuit 100W maximum. Dimming Range 10-100%.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 91%

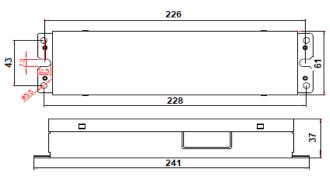
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 10%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft

#### Case Size: Series FS3

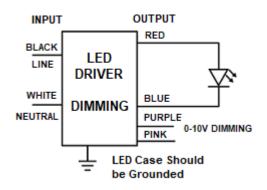
Ľ	ue to continuing e	2/10/20					
	INPUT VOLTAGE	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	347	100	0.32A	109	48V	0.208A – 2.08A	NC48V100WSDIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	0-10V Dimmer Compatibility Chart						
Colour	inc	cm	LUTRON			_E\	/ITON
Black	6	15.2	NFTV			D	S710-10Z
White	6	15.2	DVTV-WH				
Blue	6	15.2					
Red	6	15.2	Ca	se Si	ze S	eri	ies FS3
Pink	71	18	L	W	Н		ML
	1.1		241	61	37	7	226mm
Purple	7.1	18	9.5	2.4	1.4	6	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**L**ighting ltd.

# 347V LED DRIVER 150W 0-10V Dimming

Low Voltage 48V Output Constant Voltage Max 150W

347V input Electronic LED Driver. 48V output Constant Voltage for Single circuit 150W maximum. Dimming Range 10-100%.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d:18AWG -18 f
Typical Efficiency: 92%		

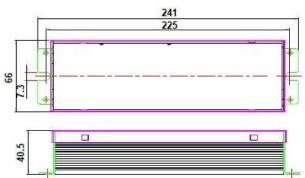
#### Case Size: Series FS5

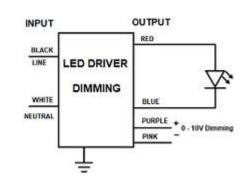
ft

Due to continui	ng efforts to offer improved	1/9/16				
INPUT VOLTAG	OUTPUT POWER WATTS MAX	INPUT CURRENT	INPUT WATTS	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	150	0.47A	163	48V	0.312A – 3.12A	NC48V150WSDIM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Lead Length

Louis Longin							
Colour	inch	ст					
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					
Gray	6	15.2					
Purple	6	15.2					

0-10V Dimmer Compatibility Chart LUTRON LEVITON NFTV DS710-10Z

DVTV-WH

Ca	se Si	ze Ser	ies FS5
L	W	Н	ML
241	66	40.5	226mm
9.5	2.6	1.6	8.9inch

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes.

 $Z^{age}_{ighting \ ltd.}$ 

# Sage

# 120-277V Dimmable Constant Voltage LED Drivers

Sage offers a selection of 120-277V Dimmable Constant Voltage LED Drivers. These drivers are available in multiple Form factor.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Voltage: 12V to 48V

# LED DRIVER 25W 0-10V Dimming

Low Voltage 12V Output Constant Voltage Max 25W

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 25W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 82%

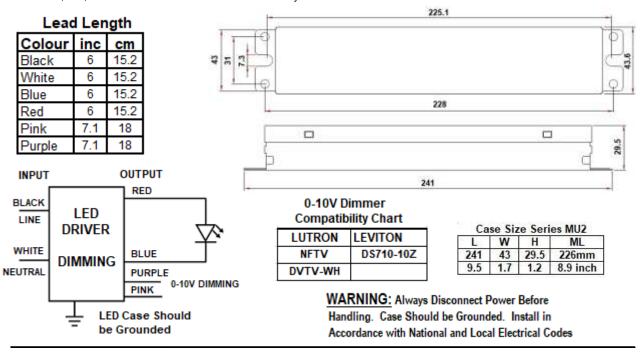
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
THD:	< 10%
Input Frequency:	50/60HZ
Power Factor Min:	0.90
Remote Wiring Distance Full Loa	d: 18AWG -18 ft

#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 5/2/17									
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
120	0.27A	21	31	2.5 - 25	12V	2.08A	NU12V25WSDIM		
277	0.12A	31	2.5 - 25	12V	2.00A				

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 60W 0-10V Dimming

Low Voltage 12V Output Constant Voltage Max 60W

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 60W maximum Dimming Range 10-100%.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: **Typical Efficiency:** 85%

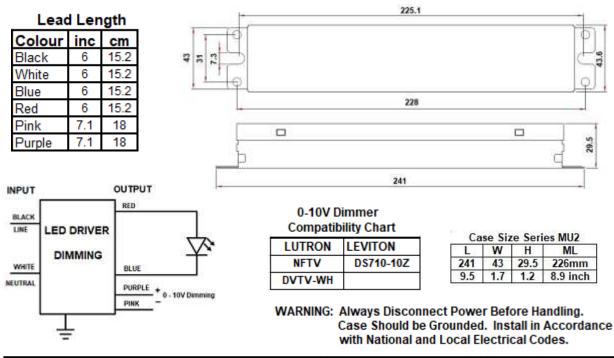
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
THD:	< 2 <b>0</b> %
Input Frequency:	50/60HZ
Power Factor Min:	0.90
Remote Wiring Distance Full Load	d: 18AWG -18 ft

#### Case Size: Series MU2

[	Due to continuing e	forts to offer impro	oved products a	all specifications are	subject to change	e without prior notic	e 7/3/22
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE DC CV	OUTPUT CURRENT DC AMPS	MODEL
	120	0.60A	70	60	12	0.5 - 5A	NU12V60WSDIM
	277	0.26A	70	00	12	0.5 - 5A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 100W 0-10V Dimming

Low Voltage 12V Output Constant Voltage Max 100W

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 12V output Constant Voltage for Single circuit 100W maximum Dimming Range 10-100%.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

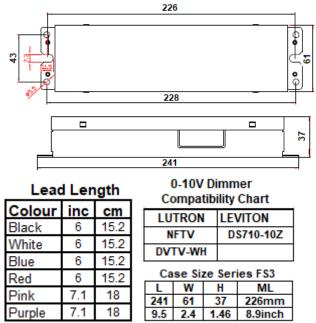
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft
Surge Protection:	2 KV

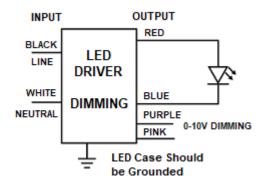
#### Case Size: Series FS3

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/3/22								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL		
120	0.98A	112	110	100	12V	0.8 - 8A	NU12V100WSDIM	
277	0.42A		100	12V	U.O - 6A			

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 150W 0-10V Dimming

Low Voltage 12V Output Constant Voltage Max 150W

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 12V output Constant Voltage for Single circuit 150W maximum Dimming Range 10-100%.

## **Technical Specification:**

UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp, Dry	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: - 40° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Ful	I Load: 18AWG -18 f
Typical Efficiency: 90%	Surge Protection:	2 KV

#### Case Size: Series FS5

ft

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 3/12/20									
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL		
	120	1.4A	166	166	166	150	12V	1.25 - 12.50A	NU12V150WSDIM
	277	0.6A	100	150	IZV	1.25 - 12.50A			

#### LIMITED WARRANTY

Pink

Purple

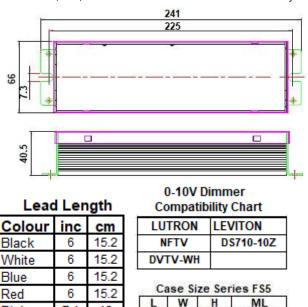
7.1

7.1

18

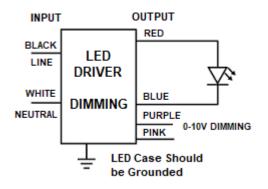
18

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



241

9.5



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

66

2.6

40.5

1.6

226mm

8.9inch



www.sagedrivers.com www.sagelighting.com

# LED DRIVER 25W 0-10V Dimming

Low Voltage 24V Output Constant Voltage Max 25W

Universal Voltage 120-277V Electronic Constant Voltage LED Driver 0-10V Dimming. 24V output Single circuit 25W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 83%

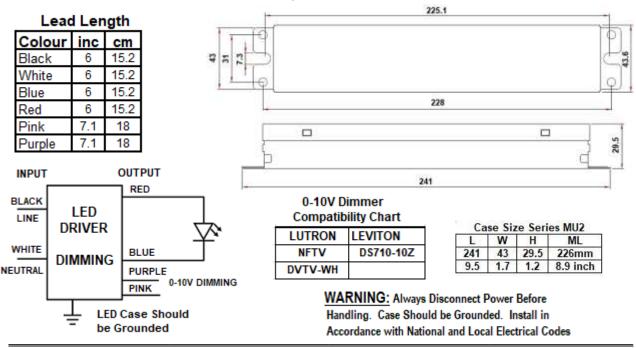
Input Voltage range:±10%Output Load range±5%THD:<</td>10%Input Frequency:50/60HZPower Factor Min:0.90Remote Wiring Distance Full Load:18AWGSurge Protection:2 KV

#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 7/11/21								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE CV	OUTPUT CURRENT AMPS	MODEL		
120	0.26A	31	31	25	24	1.04A	NU24V25WSDIM	
277	0.12A		20	24	1.047	N024 V23VV3DIM		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{Z}_{ighting}^{age}$  (1d.

# LED DRIVER 60W 0-10V Dimming

Low Voltage 24V Output Constant Voltage Max 60W

Universal Voltage 120-277V Electronic Constant Voltage LED Driver 0-10V Dimming. 24V output Single circuit 60W maximum.

## **Technical Specification:**

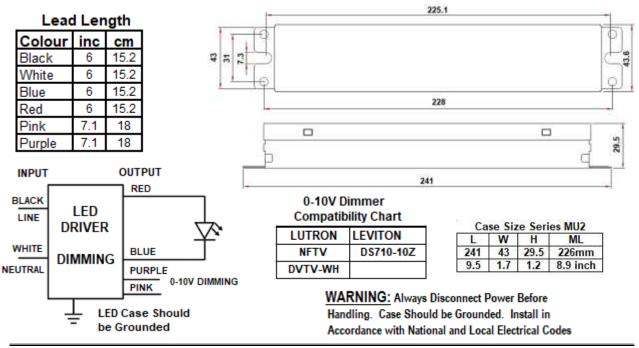
Class 2 UL Listed, CUL	Certified, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	THD:	< 10%
Output Open/Short P	rotection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency:	88%	Surge Protection:	2 KV

#### Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 5/2/17							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.6A	68	60	24V	2.5A	NU24V60WSDIM	
277	0.26A						

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Pighting ltd.

# LED DRIVER 100W 0-10V Dimming

Low Voltage 24V Output Constant Voltage Max 100W

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 24V output Constant Voltage for Single circuit 100W maximum Dimming Range 10-100%.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

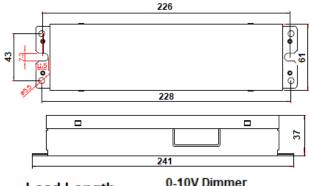
Input Voltage range:	<u>+</u> 10%			
Output Load range	<u>+</u> 5%			
Input Frequency: 50/60HZ				
THD:	< 10%			
Power Factor Min:	0.90			
Remote Wiring Distance Full Load	I: 18AWG -18 ft			
Surge Protection:	2 KV			

Case Size: Series FS3

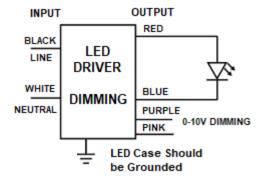
[	Due to continuing e	efforts to offer impro	8/9/22				
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.98A	117	100	24V	4.1A	NU24V100WSDIM
	277	0.42A	117	100	24V	4.1A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead Length				0-10V Dimmer Compatibility Chart			
Colour	inc						
Black	6	15.2			FTV		\$710-10Z
White	6	15.2		DVTV-WH			
Blue	6	15.2		Case Size Series FS3		iee FS3	
Red	6	15.2		L	W	H	ML
Pink	7.1	18		241	61	37	226mm
Purple	7.1	18		9.5	2.4	1.46	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{T}_{ighting}^{age}$  (1d.

# LED DRIVER 150W 0-10V Dimming

Low Voltage 24V Output Constant Voltage Max 150W

Electronic Universal Voltage 120V-277V input LED Driver. 24V output Constant Voltage for Single circuit 150W maximum. Dimming Range 10-100%.

# **Technical Specification:**

**UL, CUL Recognized, ROHS Compliant** FCC Part 15, Class A EMI Rating: IP 65 Damp, Dry **Output Open/Short Protection** - 40° C Min. Starting Temp: Max. Case Temp: 90° C **Typical Efficiency:** 91%

Voltage range: +10% **Output Load range** + 5% Input Frequency: 50/60HZ < 20% THD: Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft Surge Protection: 2 KV

## Case Size: Series FS5

Due to continuing e	3/12/22					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.48A	165	150	24V	0.625 - 6.25A	NU24V150WSDIM
277	0.62A	100	150	24V	0.023 - 0.23A	

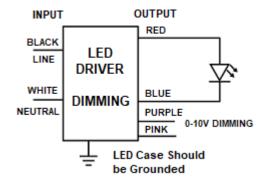
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





			(	)-10V	Dim	mer	
Lead	Co	mpa	tibilit	y Chart			
Colour	inc	cm	LU	TRON	I LE	VITON	
Black	6	15.2	NFTV		[	DS710-10Z	
White	6	15.2	DVTV-WH		H		
Blue	6	15.2	8555			900/00/00/00/00/00	
Red	6	15.2	Ca	ise Si	ize Se	eries FS5	
	_		L	W	H	ML	
Pink	7.1	18	241	66	40.5	226mm	
Purple	7.1	18	9.5	2.6	1.6	8.9inch	



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



# LED DRIVER 60W 0-10V Dimming

Low Voltage 36V Output Constant Voltage Max 60W

Electronic Universal Voltage 120V-277V input LED Driver. 36V output Constant Voltage for Single circuit 60W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

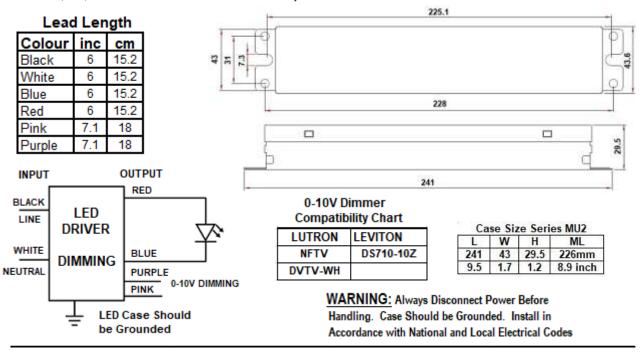
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
THD:	< 20%
Input Frequency:	50/60HZ
Power Factor Min:	0.90
Remote Wiring Distance Full Load	: 18AWG -18 ft
Surge Protection:	2 KV

## Case Size: Series MU2

D	ue to continuing e	3/1/20					
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.6A	68	60	36V	0.166A – 1.66A	NU36V60WSDIM
	277	0.26A	00	00	30 V	0.100A - 1.00A	NUSOVOUVSDIN

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





# LED DRIVER 100W 0-10V Dimming

Low Voltage 36V Output Constant Voltage Max 100W

Electronic Universal Voltage 120V-277V input LED Driver 0-10V Dimming. 36V output Constant Voltage for Single circuit 100W maximum Dimming Range 10-100%.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 90%

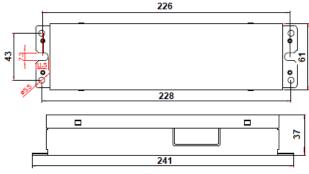
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 10%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	1: 18AWG -18 ft
Surge Protection:	2 KV

## Case Size: Series FS3

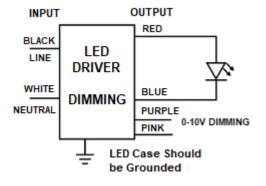
Ľ	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/9/16									
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL			
	120	0.98A	111	100	36V	0.27 - 2.7A	NU36V100WSDIM			
	277	0.42A		111	111	111	] '''	100	30 V	0.27 - 2.7A

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Len	gth	0-10V Dimmer Compatibility Chart			
inc		LUTRON LEVITON			
6	15.2	NFTV DS710-10Z			
6	15.2	DVTV-WH			
6		Case Size Series FS3			
7.1	18	241 61 37 226mm 9.5 2.4 1.46 8.9inch			
	inc 6 6 6 7.1	6         15.2           6         15.2           6         15.2           6         15.2           7.1         18			



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\dot{Z}^{age}_{ighting \ ltd.}$ 

# LED DRIVER 150W 0-10V Dimming

Low Voltage 36V Output Constant Voltage Max 150W

Universal Voltage 120V-277V input Electronic Constant Voltage LED Driver 0-10V Dimming. 36V output for Single circuit 150W maximum.

# **Technical Specification:**

UL, CUL Certified, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 91%

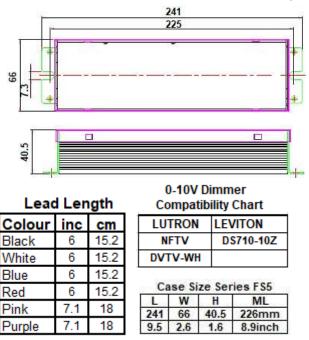
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft
Surge Protection:	2 KV

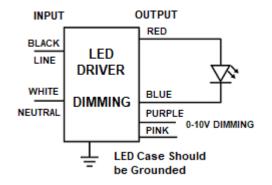
Case Size: Series FS5

Due to continuing	efforts to offer impro	3/9/16					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	1.48A	163	162	150	26\/	0.416 – 4.16A	NU36V150WSDIM
277	0.62A		150	36V	0.416 – 4.16A		

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 60W 0-10V Dimming

Low Voltage 48V Output Constant Voltage Max 60W

Electronic Universal Voltage 120V-277V input LED Driver. 48V output Constant Voltage for Single circuit 60W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 88%

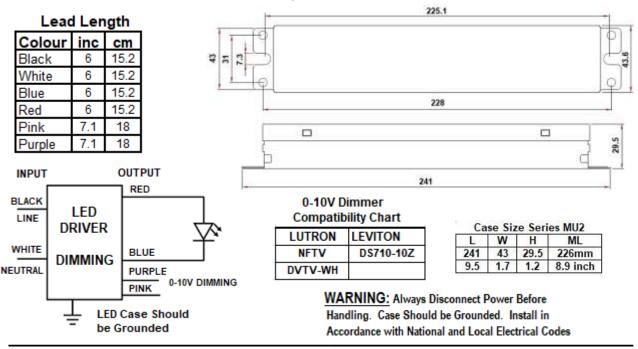
Input Voltage range:	<u>+</u> 10%
Output Load range	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 10%
Power Factor Min:	0.90
Remote Wiring Distance Full Load	l: 18AWG -18 ft
Surge Protection:	2 KV

#### Case Size: Series MU2

Due to continuing e	3/7/19					
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.6A	71	60	48V	0.125A – 1.25A	NU48V60WSDIM
277	0.26A		00	40V	0.125A - 1.25A	1404040004301141

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Pighting ltd.

# LED DRIVER 100W 0-10V Dimming

Low Voltage 48V Output Constant Voltage Max 100W

Electronic Universal Voltage 120V-277V input LED Driver. 48V output Constant Voltage for Single circuit 100W maximum. Dimming Range 10-100%.

# **Technical Specification:**

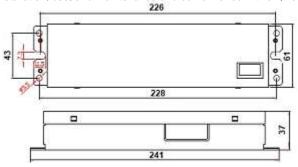
Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short Pi	rotection	THD:	< 10%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full La	oad: 18AWG -18 ft
Typical Efficiency:	91%	Surge Protection:	2 KV

## Case Size: Series FS3

Ľ	ue to continuing e	5//04/23							
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
	120	0.98A	100	100	109	100	48V	0.208A – 2.08A	NU48V100WSDIM
	277	0.42A	109	100	40 V	0.200A – 2.00A	N046V100VV3D1W		

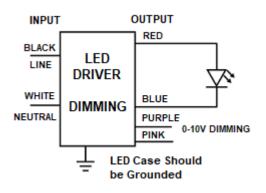
#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	0-10V Dimmer Compatibility Chart					
Colour	inc	cm	LUTRON		I LI	EVITON
Black	6	15.2	N	FTV		DS710-10Z
White	6	15.2	DV	TV-WI	1	
Blue	6	15.2				
Red	6	15.2	Ca			eries FS3
Pink	7.1	18	L 241	W 61	H 37	226mm
Purple	7.1	18	9.5	2.4	1.46	6 8.9inch

1500 Marine Drive, #200 North Vancouver, BC V7P 1T7 TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# LED DRIVER 150W 0-10V Dimming

Low Voltage 48V Output Constant Voltage Max 150W

Electronic Universal Voltage 120V-277V input LED Driver. 48V output Constant Voltage for Single circuit 150W maximum. Dimming Range 10-100%.

# **Technical Specification:**

UL, CUL Recognized, R	OHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	Input Frequency:	50/60HZ
Output Open/Short Pr	otection	THD:	< 10%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full	Load: 18AWG -18 ft
Typical Efficiency:	92%	Surge Protection:	2 KV

## Case Size: Series FS5

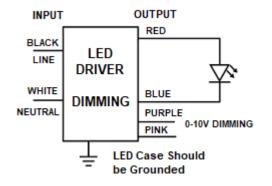
Due to continuing	efforts to offer impro	2/2/21				
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	1.4A	163	150	48V	0.312A – 3.12A	NU48V150WSDIM
277	0.6A	103	150	40 V	0.312A - 3.12A	NU46V150VV5D1W

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Lead	Compatibility Chart							
Colour	inc	cm		LUTRON			LE\	/ITON
Black	6	15.2		NFTV			DS	6710-10Z
White	6	15.2		DVTV-WH		H		
Blue	6	15.2		15554				000000000000
Red	6	15.2		Ca	ise Si	ize	Ser	ies FS5
	7.4			L	W	ł	1	ML
Pink	7.1	18		241	66	40	1.5	226mm
Purple	7.1	18		9.5	2.6	1.	.6	8.9inch



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Sage

# 120-277V & 347V Non-Dimmable Constant Voltage LED Drivers

Sage offers a large selection of 120-277V & 347V Non-Dimmable Constant Voltage LED Drivers. These drivers are available in multiple Form factor.

Output Voltage: 12V to 48V

Low Voltage 12V Output Constant Voltage Max 20W Small Case Size

Electronic Universal Voltage 347V input LED Driver. 12V output Constant Voltage for Single circuit 20W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15 Class A Rating: IP 65 Damp, Dry Class 2 Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 84%

Input Voltage range:±10%Output Load range±5%THD:< 20%</td>Input Frequency:50/60HZPower Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

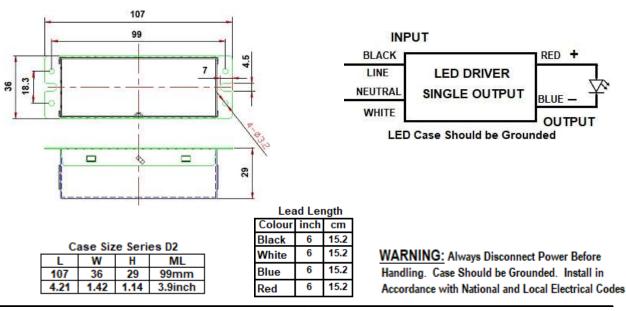
## Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT DC AMPS	MODEL
347	0.08A	25	20	12V	1.66A	NC12V20WSM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{L}^{age}_{ighting \ ltd.}$ 

Low Voltage 24V Output Constant Voltage Max 100W

347V input Electronic LED Driver. 24V output Constant Voltage for Single circuit 100W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP65		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 10%
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loc	ad: 18AWG -18 ft
Typical Efficiency:	<b>87</b> %	Surge Protection:	2 KV

Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
347	0.32A	114	100	24V	4.1A	NC24V100WS

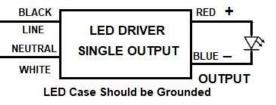
#### LIMITED WARRANTY

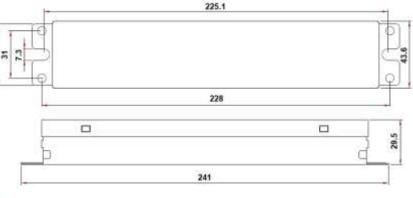
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length							
Colour	Colour inch						
Black	6	15.2					
White	6	15.2					
Blue	6	15.2					
Red	6	15.2					

Ca	se Siz	e Seri	es MU2
L	W	Н	ML
241	43	29.5	226mm
9.5	1.7	1.2	8.9 inch

INPUT





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Low Voltage 12V Output Constant Voltage Max 12W

Small Case Size with leads

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 12W maximum.

# **Technical Specification:**

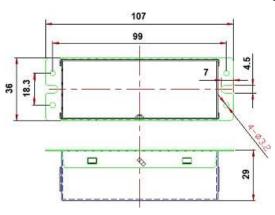
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15 Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	THD:	< 20%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance F	ull Load: 18AWG - 18 ft
Typical Efficiency:	80%		

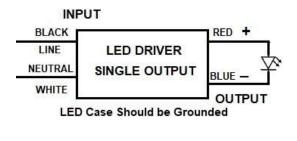
## Case Size: Series D2

D	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/2/17						
	INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	0.12A	15.2	12	12V	1.0A	NU12V12WSM
	277	0.06A	10.2	12	IZV	1.0A	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage. installation, use, and maintenance and conformance with any recommendations of Manufacturer





Lead Length Colour inch cm

	Black	6	15.2	6			
WARNING: Always Disconnect Power Before	White	6	15.2		ase Siz		
Handling. Case Should be Grounded. Install in		6	15.2	L	W	H	ML
	Blue	0	15.2	107	36	29	99mm
Accordance with National and Local Electrical Codes	Red	6	15.2	4.21	1.42	1.14	3.9inch

 $\dot{Z}^{age}_{ighting \ ltd.}$ 

Low Voltage 12V Output Constant Voltage Max 20W

Small Case Size with leads

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 20W maximum.

## **Technical Specification:**

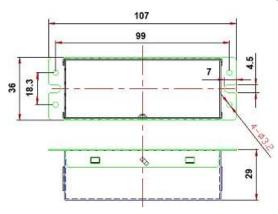
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15 Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	THD:	< 20%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance F	ull Load: 18AWG - 18 ft
Typical Efficiency:	84%		

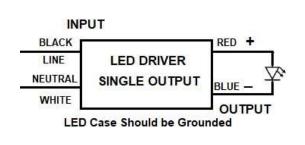
## Case Size: Series D2

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 5/5/18							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.20A	26.4	20	12V	1.66A	NU12V20WSM		
277	0.09A	20.4	20	120	1.00A			

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





WARNING: Always Disconnect Power Before				
Handling. Case Should be Grounded. Install in				
Accordance with National and Local Electrical Codes				

Colour inch     cm       Black     6     15.2       White     6     15.2       L     W     H		
White 6 15.2 Case Size Series D2		
White 0 15.2		
		1L
107 36 29 99r	107   36   29   99r	nm
Red 6 15.2 4.21 1.42 1.14 3.9i	4.21 1.42 1.14 3.9i	nch

 $\dot{Z}^{age}_{ighting \ ltd.}$ 

Low Voltage 12V Output Constant Voltage Max 25W

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 25W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 82%

# Input Voltage range:±10%Output Load range±5%THD:<</td>10%Input Frequency:50/60HZPower Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

## Case Size: Series MU2

Due to continuing e	Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 6/5/18							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.27A	31	25	12V	2.08A	NU12V25WS		
277	0.12A	51	20	12V	2.00A	11012723773		

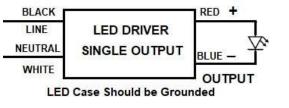
#### LIMITED WARRANTY

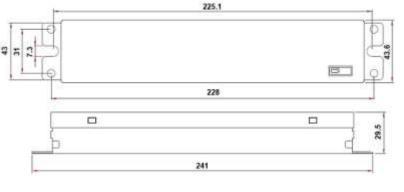
5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

Lead Length					
Colour	inch	cm			
Black	6	15.2			
White	6	15.2			
Blue	6	15.2			
Red	6	15.2			

Ca	se Siz	ze Seri	es MU2
L	W	H	ML
241	43	29.5	226mm
9.5	1.7	1.2	8.9 inch

INPUT





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Low Voltage 12V Output Constant Voltage Max 60W

Electronic Universal Voltage 120V-277V input LED Driver. 12V output Constant Voltage for Single circuit 60W maximum.

# **Technical Specification:**

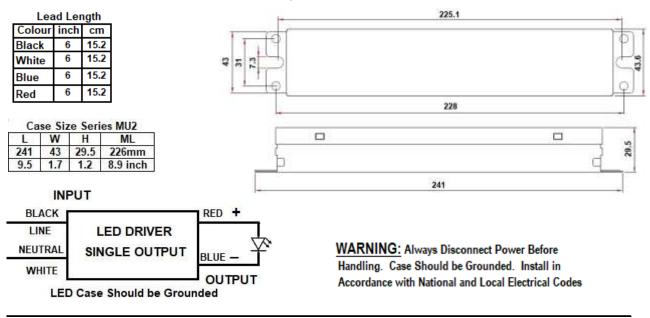
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	THD:	< 10%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
Typical Efficiency:	85.3%		

## Case Size: Series MU2

Due to continuing e	efforts to offer impro	6/01/17				
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.61A	72	60	12V	۶A	NU12V60WS
277	0.27A	12	60	12V	5A	NU12V00W3

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



Page Lighting ltd.

Low Voltage 24V Output Constant Voltage Max **12W** Small Case Size

Electronic Universal Voltage 120V-277V input LED Driver. 24V output Constant Voltage for Single circuit 12W maximum.

# **Technical Specification:**

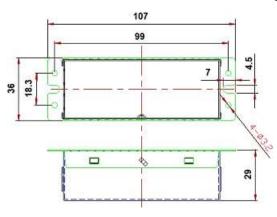
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15 Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	THD:	< 25%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loo	18AWG -18 ft
Typical Efficiency:	83%		

## Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/2/17							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.12A	15	15	10	241/		NU24V12WSM
277	0.06A	15	12	24V	0.05-0.5A	102401200310	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



BLACK		RED +
LINE	LED DRIVER	
NEUTRAL	SINGLE OUTPUT	BLUE -
WHITE		OUTPUT

WARNING: Always Disconnect Power Before					
Handling. Case Should be Grounded. Install in					
Accordance with National and Local Electrical Codes					

Lea	ad Ler	ngth	_					
Colour	inch	cm						
Black	6	15.2	Casa Cias Carias D2					
White	6	15.2						
Blue	6	15.2		L 107	W 36	н 29	ML 99mm	
Red	6	15.2		4.21	1.42	1.14	3.9inch	

 $\dot{Z}^{age}_{ighting \ ltd.}$ 

Low Voltage 24V Output Constant Voltage Max 25W

Small Case Size with Dual Terminal Blocks No Bottom Studs

Electronic Universal Voltage 120V-277V input LED Driver. 24V output Constant Voltage for Single circuit 25W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP64 Damp,	Dry	THD:	< 20%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loc	ad: 18AWG -18 ft
Typical Efficiency:	83%	Dual Terminal Blocks No Bot	tom Studs

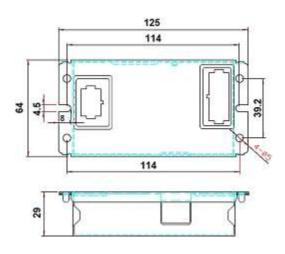
## Case Size: Series C2B

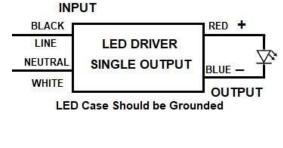
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.26A	24	25	24V	1.04A	NU24V25WSB
277	0.12A	31	25	24V	1.04A	NU24V23W3B

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Case Size Series C2B							
W	H	ML					
64	29	114mm					
2.5	1.14	4.48inch					
	e Siz W 64 2.5	W H 64 29					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**D**ighting ltd.

Low Voltage 24V Output Constant Voltage Max 25W

Electronic Universal Voltage 120V-277V input LED Driver. 24V output Constant Voltage for Single circuit 25W maximum.

# **Technical Specification:**

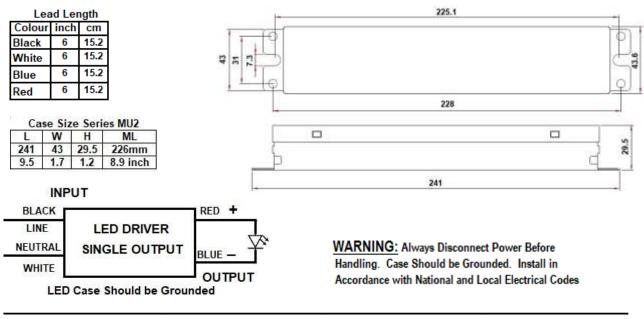
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	THD:	< 10%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	83%		

## Case Size: Series MU2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 7/5/18								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.26A	24	25	24V	1.04A	NU24V25WS		
277	0.12A	31	25	24 V	1.04A	NU24V25W5		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Low Voltage 24V Output Constant Voltage Max 50W

Small Case Size with leads

Electronic Universal Voltage 120V-277V input LED Driver. Output 24V Constant Voltage for Single circuit 50W maximum.

## **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry **Output Open/Short Protection** Min. Starting Temp: - 40° C 90° C Max. Case Temp: Typical Efficiency: 87%

Input Voltage range: +10% **Output Load range +** 5% THD: < 10% Input Frequency: 50/60HZ **Power Factor Min:** 0.90 Remote Wiring Distance Full Load: 18AWG - 18 ft

#### Case Size: Series C2S

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 4/12/22								
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL		
120	0.49A	58	50	24V	24V 0.208 - 208A	NU24V50WS		
277	0.21A	50	50	24 V	0.200 - 200A	1024050005		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage. installation, use, and maintenance and conformance with any recommendations of Manufacturer

White

Blue

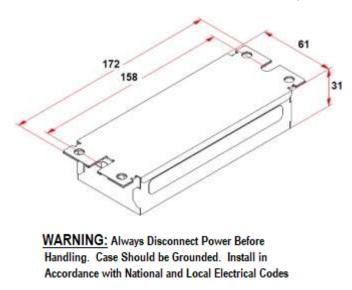
Red

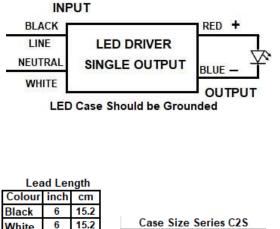
6

6

15.2

15.2





Case Size Series C2S						
L	W	H	ML			
172	61	31	158mm			
6.7	2.4	1.23	6.23inch			



Low Voltage 24V Output Constant Voltage Max **100W** Slim case with leads

Electronic Universal Voltage 120V-277V input LED Driver. 24V Output Constant Voltage for Single circuit 100W maximum.

## **Technical Specification:**

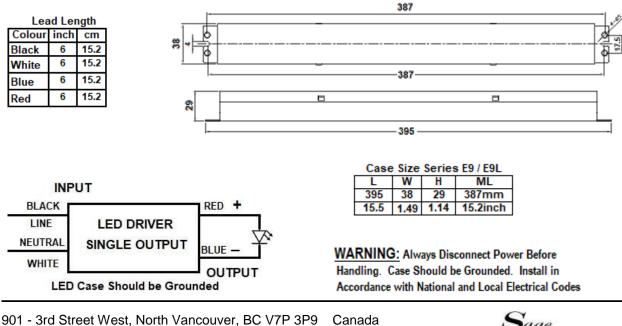
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15, C	ass A	Output Load range	<u>+</u> 5%
Rating: IP 64 Damp,	Dry	THD:	< <b>20</b> %
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	86%		

## Case Size: Series E9L

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 1/1/15							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.98A	117	117	100	24V	4.1A	NU24V100WS-E9L
277	0.42A	117	100	24 V	4.1A	N024V100VV3-E9L	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Low Voltage 36V Output Constant Voltage Max **12W** 

Small Case Size with leads

Electronic Universal Voltage 120V-277V input LED Driver. 36V output Constant Voltage for Single circuit 12W maximum.

# **Technical Specification:**

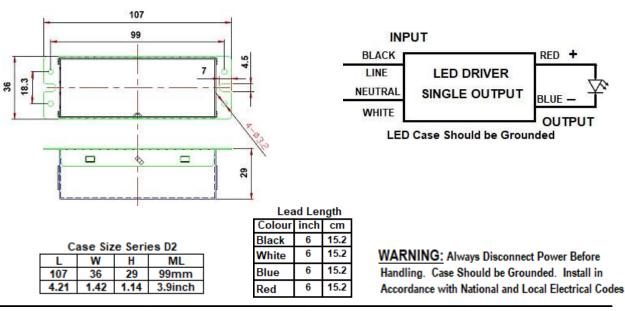
Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
EMI FCC Part 15 Cl	ass A	Output Load range	<u>+</u> 5%
Rating: IP 65 Damp,	Dry	THD:	< 25%
Output Open/Short Pr	otection	Input Frequency:	50/60HZ
Min. Starting Temp:	- 40° C	Power Factor Min:	0.90
Max. Case Temp:	90° C	Remote Wiring Distance F	ull Load: 18AWG -18 ft
Typical Efficiency:	85%		

#### Case Size: Series D2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice R02/01/15							
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.12A	155	12	36V	0.03-0.33A	NU36V12WSM	
277	0.06A	15.5	12	30 V	0.03-0.33A		

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



 $\hat{T}_{ighting}^{age}$  (1d.

Low Voltage 36V Output Constant Voltage Max 150W

Electronic Universal Voltage 120V-277V input LED Driver. 36V output Constant Voltage for Single circuit 150W maximum.

# **Technical Specification:**

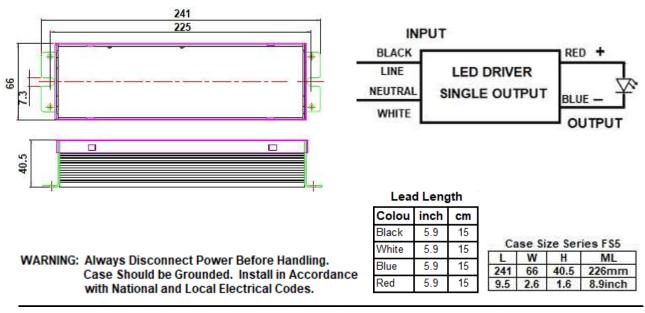
UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 65 Damp, Dry Output Open/Short Protection Min. Starting Temp: - 40° C Max. Case Temp: 90° C Typical Efficiency: 91% Input Voltage range:± 10%Output Load range± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load: 18AWG-18 ft

## Case Size: Series FS5

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice 3//09/22						
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE CV	OUTPUT CURRENT AMPS	MODEL
120	1.48A	163	150	36	4.1A	NU36V150WS
277	0.62A	105	150	- 30	4.1A	100300130003

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer



ge hling ltd.

# Sage

# AC Triac Leading & Trailing Edge Compatible Dimming Fixed Current LED Drivers

Sage offers a selection of AC Triac Leading & Trailing Edge Compatible Dimming fixed Current LED Drivers in compact case dimensions.

It is also easy to combine into common dimming systems accessible in commercial applications.

Output Current: from 180mA to 1400mA

Output Range 25V to 36V Constant Current 180mA Max 6.5W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 25V to 36V for Single circuit 6.5W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant ICES-005 Issue 4/FCC Parts 15 Rating: IP 30 Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 50° C Typical Efficiency: 83%

Input Voltage range:	<u>+</u> 10%
Output Current	<u>+</u> 5%
Input Frequency:	50/60HZ
THD:	< 20%
Power Factor Min:	0.90
Remote Wiring Distance Fu	III Load: 18AWG -18 ft

## Case Size: Series P1

Design of the second se		(i) It for all the second second fills and the second second fills and the second s
Use to continuing efforts to offer im	proved products all specifications are s	SUDJECT TO CHANGE WITHOUT DRIOF DOTICE
Due to continuing enorte to oner ini	provod producto an opcomoditorio die c	babjeet to change without phot notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	7	0.18A	6.5	25 to 36V	0.18A	TO180C6.5WS

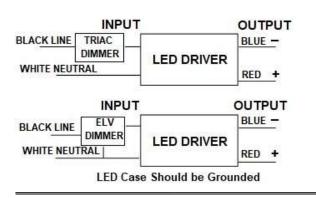
LIMITED WARRANTY

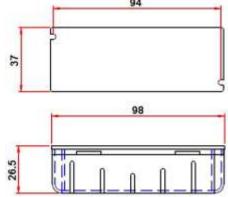
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

## Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1						
L	W	Н	ML			
98	37	26.5	94mm			
3.86	1.46	1.04	3.7inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

age ighting ltd.

Output Range 17V to 24V Constant Current 200mA Max 5W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 17V to 24V for Single circuit 5W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp: Typical Efficiency:	50° C 85%	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
rypical Enclency:			

## Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	7	0.18A	4.8	17 to 24V	0.2A	TO200C5WS

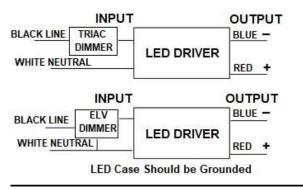
LIMITED WARRANTY

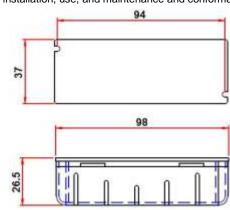
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

## Compatible 120VAC 60Hz

## Triac Dimmer Models below

LUTRON	LEVITON	Lead Length		gth	
DVCL-153P	No.6674		Colour	inch	cm
DVPDC-203P	6615-P0W		Black	6	15.2
NTLV-600	6633-PLW		White	6	15.2
S-600P-WH	RP106		Blue	6	15.2
SF-103P-WH			Red	6	15.2





Case Size Series P1							
L	W	Н	ML				
98	37	26.5	94mm				
3.86	1.46	1.04	3.7inch				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

Output Range 30V to 42V Constant Current 220mA Max 9W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 30V to 42V for Single circuit 9W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant ICES-005 Issue 4/FCC Parts 15 Rating: IP 30 **Output Open/Short Protection** Min. Starting Temp: 0° C 50° C Max. Case Temp: **Typical Efficiency:** 83%

Input Voltage range: + 10% **Output Current** + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

## Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

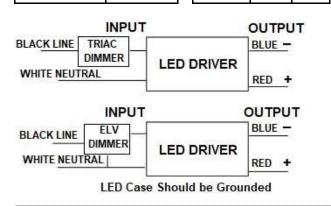
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	11	0.18A	9	30 to 42V	0.22A	TO220C9WS

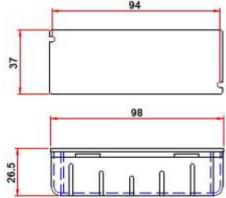
LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

## Compatible 120VAC 60Hz

Triac Dimmer Models below							
LUTRON		Lead Length					
DVCL-153P	No.6674		Colour	inch	cm		
DVPDC-203P	6615-P0W		Black	6	15.2		
NTLV-600	6633-PLW		White	6	15.2		
S-600P-WH	RP106		Blue	6	15.2		
SF-103P-WH			Red	6	15.2		





Case Size Series P1							
L	W	H	ML				
98	37	26.5	94mm				
3.86	1.46	1.04	3.7inch				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Dage Lighting ltd.

Output Range 25V to 36V Constant Current 300mA Max 11W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 25V to 36V for Single circuit 11W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compli	ant Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 50° C	Remote Wiring Distance Full La	oad: 18AWG -18 ft
Typical Efficiency: 85%		

## Case Size: Series P1

D	ue to continuing e	fforts to offer in	nproved products a	all specifications are	subject to change with	hout prior notice	1/5/17
	INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	13	0.18A	11	25 to 36V	0.3A	TO300C11WS

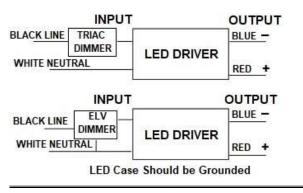
#### LIMITED WARRANTY

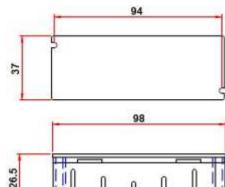
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

## Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lea	ad Leng	gth
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1							
L	W	Н	ML				
98	37	26.5	94mm				
3.86	1.46	1.04	3.7inch				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Range 27V to 39V Constant Current 330mA Max 13W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 27V to 39V for Single circuit 13W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Load	d:18AWG -18 ft
Typical Efficiency:	84%		

## Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	15	0.18A	13	27 to 39V	0.33A	TO330C13WS

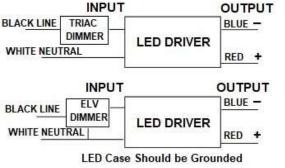
#### LIMITED WARRANTY

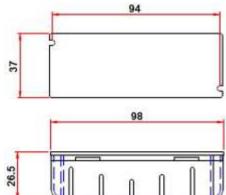
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

## Compatible 120VAC 60Hz

	Triac	Dimmer	Models	below
--	-------	--------	--------	-------

LUTRON	LEVITON	Lead Length		gth
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1						
L	W	H	ML			
98	37	26.5	94mm			
3.86	1.46	1.04	3.7inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

age aghting ltd.

Output Range 22V-31V Constant Current 350mA Max 11W

Small Metal Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 22V-31V for Single circuit 11W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15	Output Current	<u>+</u> 5%
Rating: IP 65	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full Loa	d: 18AWG - 18 ft
Typical Efficiency: 86%		

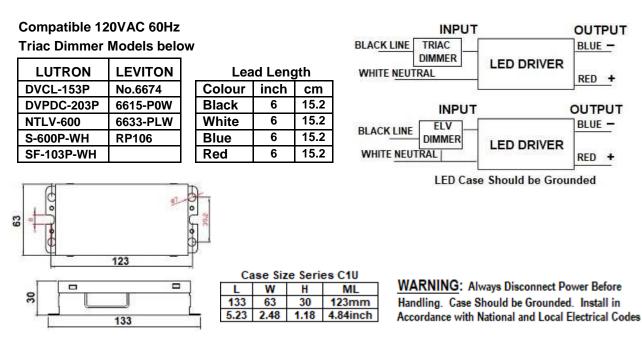
## Case Size: Series C1U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	12.8	0.26A	11	22 to 31V	0.35A	TO350C11WSM

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 24V-34V Constant Current **350mA** Max **12W** 

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 24V-34V for Single circuit 12W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	85%		

## Case Size: Series P1

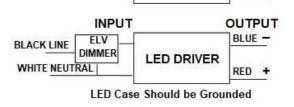
Due to continui	ing efforts to offer i	2/6/20				
INPUT VOLTAG	E INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	14	0.18A	12	24 to 34V	0.35A	TO350C12WS

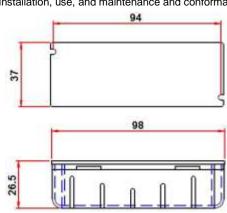
#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz Triac Dimmer Models below

LUTRON	LEVITON	L	ead Leng	gth			
DVCL-153P	No.6674	Colou	ur inch	cm			
DVPDC-203P	6615-P0W	Black	6	15.2			
NTLV-600	6633-PLW	White	9 6	15.2			
S-600P-WH	RP106	Blue	6	15.2			
SF-103P-WH	Re		6	15.2			
INPUT OUTPUT BLACK LINE TRIAC DIMMER LED DRIVER							
WHITE NEUTRAL			RED +				





Case Size Series P1						
L	W	Н	ML			
98	37	26.5	94mm			
3.86	1.46	1.04	3.7inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage uighting ltd.

Output Range 30V-43V Constant Current 350mA Max 15W

Small Metal Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 30V-43V for Single circuit 15W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range: <u>+</u>	10%
ICES-005 Issue 4/FCC Parts 15	Output Current <u>+</u>	5%
Rating: IP 65	Input Frequency: 50	0/60HZ
Output Open/Short Protection	THD: <2	20%
Min. Starting Temp: O° C	Power Factor Min: 0.	90
Max. Case Temp: 90° C	Remote Wiring Distance Full Load: 18	AWG <b>- 18 ft</b>
Typical Efficiency: 86%		

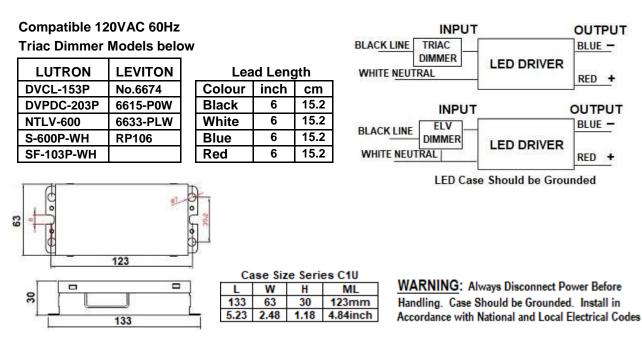
## Case Size: Series C1U

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	17	0.26A	15	30 to 43V	0.35A	TO350C15WSM

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer





Output Range 30V to 43V Constant Current **350mA** Max **15W** 

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 30V - 43V for Single circuit 15W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< <b>20</b> %
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loc	ad: 18AWG -18 ft
Typical Efficiency:	83%		

## Case Size: Series P1

Due to continuing efforts to offer improved	nroducts all specifications are sub	viect to change without prior potice
Buc to continuing chorts to once improved	products all specifications are sub	Jeel to change without phot house

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	18	0.18A	15	30 to 43V	0.35A	TO350C15WS

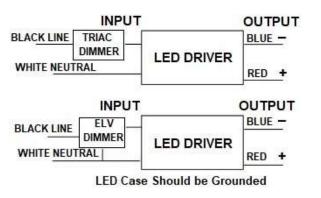
#### LIMITED WARRANTY

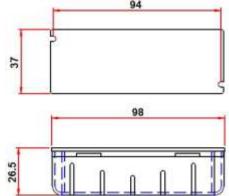
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

## Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length			gth
DVCL-153P	No.6674		Colour	inch	cm
DVPDC-203P	6615-P0W		Black	6	15.2
NTLV-600	6633-PLW		White	6	15.2
S-600P-WH	RP106		Blue	6	15.2
SF-103P-WH			Red	6	15.2





Case Size Series P1					
L	W	Н	ML		
98	37	26.5	94mm		
3.86	1.46	1.04	3.7inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 ${f Z}_{ighting}^{age}$  (1d.

Output Range 36V to 51V Constant Current 350mA Max 18W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 36V to 51V for Single circuit 18W maximum.

# **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant ICES-005 Issue 4/FCC Parts 15 Rating: IP 30 **Output Open/Short Protection** Min. Starting Temp: 0° C 50° C Max. Case Temp: **Typical Efficiency:** 83%

Input Voltage range: + 10% **Output Current** + 5% Input Frequency: 50/60HZ THD: < 20% Power Factor Min: 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

2/5/17

## Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPU VOLTA	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	22	0.18A	18	36 to 51V	0.35A	TO350C18WS

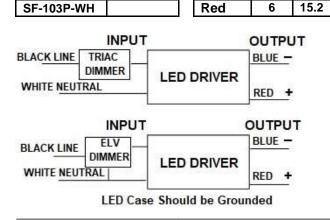
LIMITED WARRANTY

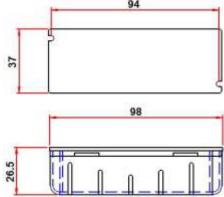
SF-103P-WH

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 04

## Compatible 120VAC 60Hz

Triac Dimmer Models below							
LUTRON	LEVITON		Lea	d Leng	gth		
DVCL-153P	No.6674		Colour	inch	cm		
DVPDC-203P	6615-P0W		Black	6	15.2		
NTLV-600	6633-PLW		White	6	15.2		
S-600P-WH	RP106		Blue	6	15.2		





Case Size Series P1					
L	W	H	ML		
98	37	26.5	94mm		
3.86	1.46	1.04	3.7inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533

Red

6

Dage Lighting ltd.

Output Range 42V to 60V Constant Current 350mA Max 21W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 42V to 60V for Single circuit 21W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant ICES-005 Issue 4/FCC Parts 15 Rating: IP 30 Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 50° C Typical Efficiency: 87% Input Voltage range:±10%Output Current±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series P1

Ľ	ue to continuing e	forts to offer in	nproved products a	all specifications are	subject to change with	nout prior notice	2/5/17	
	INPUT VOLTAGE	TAGE WATTS CURPENT POWER		OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
	120	24	0.25A	21	42 to 60V	0.35A	TO350C21WS	

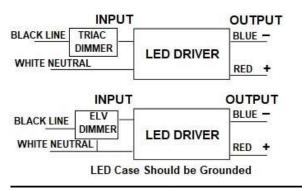
#### LIMITED WARRANTY

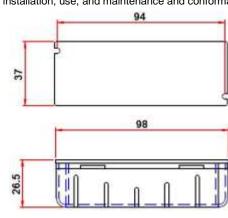
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

### Triac Dimmer Models below

LUTRON	LEVITON	_	id Leng	.ength	
DVCL-153P	No.6674		Colour	inch	cm
DVPDC-203P	6615-P0W		Black	6	15.2
NTLV-600	6633-PLW		White	6	15.2
S-600P-WH	RP106		Blue	6	15.2
SF-103P-WH			Red	6	15.2





Case Size Series P1								
L	W	Н	ML					
98	37	26.5	94mm					
3.86	1.46	1.04	3.7inch					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

Output Range 50V to 71V Constant Current 350mA Max 25W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 50V to 71V for Single circuit 25W maximum.

### **Technical Specification:**

UL, CUL Recognized, ROHS Compliant ICES-005 Issue 4/FCC Parts 15 Rating: IP 30 Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 50° C Typical Efficiency: 83% Input Voltage range:±10%Output Current±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series P1

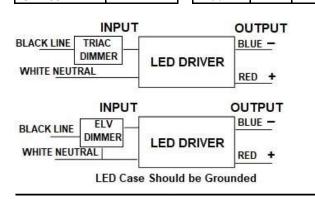
Due to continuing e	2/5/17					
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	30	0.25A	25	50 to 71V	0.35A	TO350C25WS

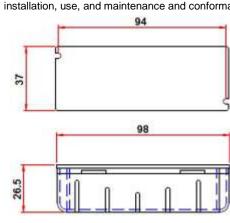
#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below** LEVITON LUTRON Lead Length DVCL-153P No.6674 Colour inch cm DVPDC-203P 6615-P0W Black 6 15.2 6 15.2 **NTLV-600** 6633-PLW White S-600P-WH **RP106** Blue 6 15.2 SF-103P-WH Red 6 15.2





Case Size Series P1								
L	W	Н	ML					
98	37	26.5	94mm					
3.86	1.46	1.04	3.7inch					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

Output Range 35V to 50V Constant Current 420mA Max 21W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 35V to 50V for Single circuit 21W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	83%		

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAG	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.26A	24	21	35 to 50V	0.42A	TO420C21WS

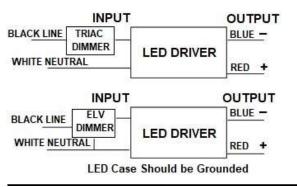
#### LIMITED WARRANTY

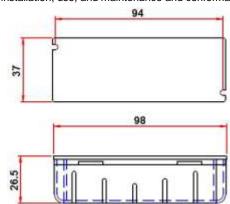
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LEVITON		Lead Length			
No.6674		Colour	inch	cm	
6615-P0W		Black	6	15.2	
6633-PLW		White	6	15.2	
RP106		Blue	6	15.2	
		Red	6	15.2	
	No.6674 6615-P0W 6633-PLW	No.6674 6615-P0W 6633-PLW	No.6674Colour6615-P0WBlack6633-PLWWhiteRP106Blue	No.6674Colourinch6615-P0WBlack66633-PLWWhite6RP106Blue6	





Case Size Series P1							
L	W	Н	ML				
98	37	26.5	94mm				
3.86	1.46	1.04	3.7inch				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

Output Range 29V to 42V Constant Current 460mA Max 19W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 29V to 42V for Single circuit 18W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	Protection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	83%		

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	22	0.18A	19	29 to 42V	0.46A	TO460C19WS

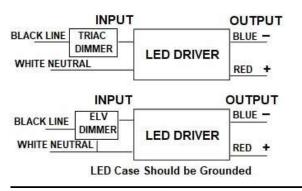
#### LIMITED WARRANTY

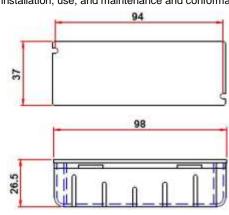
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length			
DVCL-153P	No.6674	Colour	inch	cm	
DVPDC-203P	6615-P0W	Black	6	15.2	
NTLV-600	6633-PLW	White	6	15.2	
S-600P-WH	RP106	Blue	6	15.2	
SF-103P-WH		Red	6	15.2	





Case Size Series P1						
W	Н	ML				
37	26.5	94mm				
1.46	1.04	3.7inch				
	W 37 1.46	W H				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 ${f Z}_{ighting}^{age}$  (11).

Output Range 26V to 38V Constant Current 470mA Max 18W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 26V to 38V for Single circuit 18W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant		Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15		Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	Protection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	83%		

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	22	0.18A	18	26 to 38V	0.47A	TO470C18WS

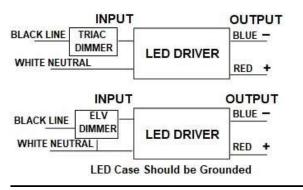
#### LIMITED WARRANTY

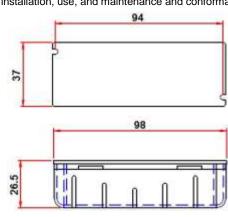
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour inch		cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1							
W	Н	ML					
37	26.5	94mm					
1.46	1.04	3.7inch					
	ise Si W 37 1.46	W H					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 ${f Z}_{ighting}^{age}$  (11).

Output Range 25V to 36V Constant Current 500mA Max 18W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 25V to 36V for Single circuit 18W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant		Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC I	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< <b>20</b> %
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp: Typical Efficiency:	50° C 83%	Remote Wiring Distance Full L	.oad: 18AWG -18 ft

#### Case Size: Series P1

Due to continuing e	efforts to offer in	2/5/17				
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	22	0.18A	18	25 to 36V	0.5A	TO500C18WS

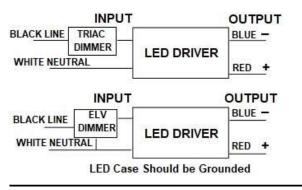
LIMITED WARRANTY

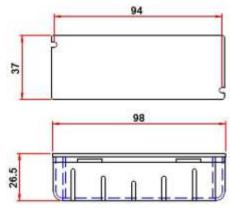
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

**Triac Dimmer Models below** 

LEVITON		Lead Length		
No.6674		Colour	inch	cm
6615-P0W		Black	6	15.2
6633-PLW		White	6	15.2
RP106		Blue	6	15.2
		Red	6	15.2
	No.6674 6615-P0W 6633-PLW	No.6674 6615-P0W 6633-PLW	No.6674Colour6615-P0WBlack6633-PLWWhiteRP106Blue	No.6674Colourinch6615-P0WBlack66633-PLWWhite6RP106Blue6





Case Size Series P1							
L	W	Н	ML				
98	37	26.5	94mm				
3.86	1.46	1.04	3.7inch				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Cighting ltd.

Output Range 35V to 50V Constant Current 500mA Max 25W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 35V to 50V for Single circuit 25W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant		Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	82%		

#### Case Size: Series P1

Due to c	ontinuing e	fforts to offer in	2/5/17				
	IPUT .TAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
1	20	31	0.26A	25	35 to 50V	0.5A	TO500C25WS

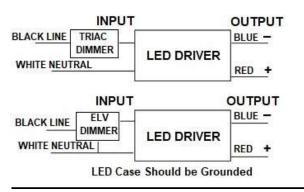
#### LIMITED WARRANTY

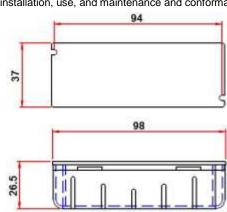
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Ca	Case Size Series P1							
L	W	Н	ML					
98	37	26.5	94mm					
3.86	1.46	1.04	3.7inch					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}_{ighting}^{age}$  (1d.

Output Range 12V to 18V Constant Current 600mA Max 10W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 12V to 18V for Single circuit 10W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency:	83%		

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	12	0.26A	10	12 to 18V	0.6A	TO600C10WS

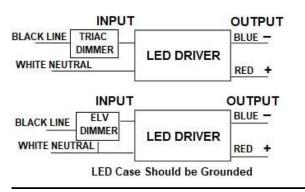
#### LIMITED WARRANTY

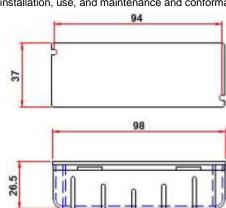
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour inch c		cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1							
L	W	Н	ML				
98	37	26.5	94mm				
3.86	1.46	1.04	3.7inch				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{L}^{age}_{ighting \ ltd.}$ 

Output Range 21V to 30V Constant Current 600mA Max 18W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 21V to 30V for Single circuit 18W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency:	85%		

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	21	0.26A	18	21 to 30V	0.6A	TO600C18WS

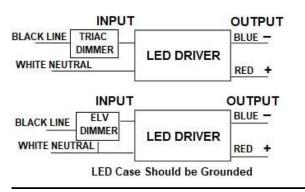
#### LIMITED WARRANTY

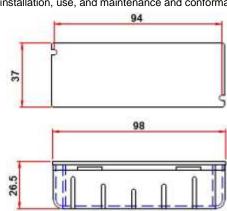
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour inch cm		cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Ca	Case Size Series P1							
L	W	Н	ML					
98	37	26.5	94mm					
3.86	1.46	1.04	3.7inch					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{L}^{age}_{ighting \ ltd.}$ 

Output Range 27V to 39V Constant Current 600mA Max 23W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 27V to 39V for Single circuit 23W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 50° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
Typical Efficiency: 85%		

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	27	0.35A	23	27 to 39V	0.6A	TO600C23WS

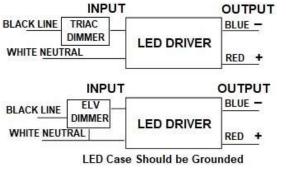
#### LIMITED WARRANTY

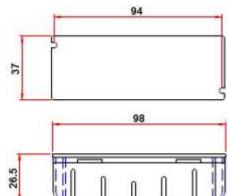
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON		Lead Length		
DVCL-153P	No.6674		Colour	inch	cm
DVPDC-203P	6615-P0W		Black	6	15.2
NTLV-600	6633-PLW		White	6	15.2
S-600P-WH	RP106		Blue	6	15.2
SF-103P-WH			Red	6	15.2
		•			





Case Size Series P1					
L	W	Н	ML		
98	37	26.5	94mm		
3.86	1.46	1.04	3.7inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage Lighting ltd.

Output Range 35V to 50V Constant Current 600mA Max 30W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 35V to 50V for Single circuit 30W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS CompliantInput Voltage IICES-005 Issue 4/FCC Parts 15Output CurrenRating:IP 30Input FrequenceOutput Open/ShortProtectionTHD:Min. Starting Temp:0° CPower Factor NMax. Case Temp:50° CRemote Wiring ITypical Efficiency:85%85%

Input Voltage range:±10%Output Current±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series P2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

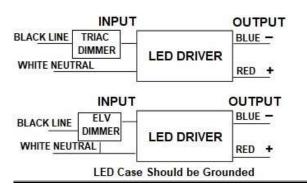
	IPUT LTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
1	120	36	0.35A	30	35 to 50V	0.6A	TO600C30WS

LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

**Triac Dimmer Models below** LEVITON LUTRON Lead Length DVCL-153P No.6674 Colour inch cm DVPDC-203P 6615-P0W Black 6 15.2 6633-PLW White 6 15.2 **NTLV-600** S-600P-WH **RP106** 6 15.2 Blue 6 SF-103P-WH Red 15.2





Case Size Series P2						
L	W	Н	ML			
110	45	28	104mm			
4.33	1.77	1.1	4.1inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Lighting ltd.

Output Range 40V to 57V Constant Current 600mA Max 34W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 40V to 57V for Single circuit 34W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 50° C	Remote Wiring Distance Full La	oad: 18AWG -18 ft
Typical Efficiency: 82%		

#### Case Size: Series P2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	42	0.6A	34	40 to 57V	0.6A	TO600C34WS

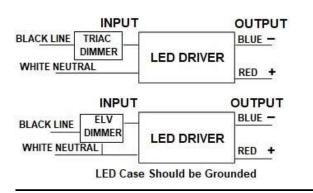
LIMITED WARRANTY

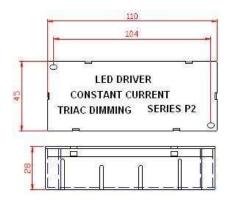
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

**Triac Dimmer Models below** 

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P2					
L	W	Н	ML		
110	45	28	104mm		
4.33	1.77	1.1	4.1inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $Z^{age}_{ighting \ ltd.}$ 

Output Range 25V to 36V Constant Current 610mA Max 22W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 25V to 36V for Single circuit 22W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< <b>20</b> %
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp: Typical Efficiency:	50° C 83%	Remote Wiring Distance Full Loa	d: 18AWG -18 ft

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

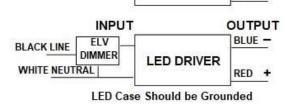
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	26	0.26A	22	25 to 36V	0.61A	TO610C22WS

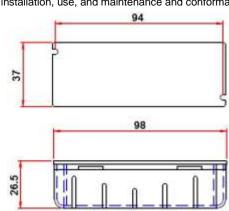
#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz Triac Dimmer Models below

LUTRON	LEVITON		Lea	d Leng	gth
DVCL-153P	No.6674	Colo	ur	inch	cm
DVPDC-203P	6615-P0W	Blac	k	6	15.2
NTLV-600	6633-PLW	Whit	е	6	15.2
S-600P-WH	RP106	Blue		6	15.2
SF-103P-WH		Red		6	15.2
I BLAC <u>K LINE</u> TRIA DIMM WHITE <u>NEUTRAL</u>		DRIVER	-	JTPUT <u>UE -</u> <u>D +</u>	





Case Size Series P1					
L	W	Н	ML		
98	37	26.5	94mm		
3.86	1.46	1.04	3.7inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

age ughting ltd.

Output Range 10V to 14V Constant Current 700mA Max 10W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 10V to 14V for Single circuit 10W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loa	d: 18AWG -18 ft
Typical Efficiency:	80%		

#### Case Size: Series P1

Due to continuing e	2/5/17					
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	13	0.1A	10	10 to 14V	0.7A	TO700C10WS

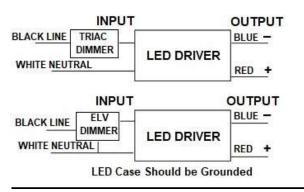
LIMITED WARRANTY

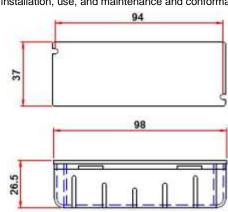
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1							
W	Н	ML					
37	26.5	94mm					
1.46	1.04	3.7inch					
	ase Si W 37 1.46	W H					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}_{ighting}^{age}$  (1d.

Output Range 15V to 21V Constant Current 700mA Max 15W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 15V to 21V for Single circuit 15W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recogn	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC I	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< <b>20</b> %
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency:	88%		

#### Case Size: Series P1

D	ue to continuing e	e 2/5/17					
	INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	17	0.18A	15	15 to 21V	0.7A	TO700C15WS

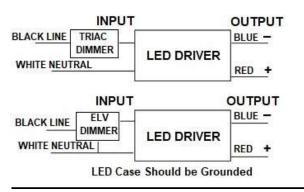
LIMITED WARRANTY

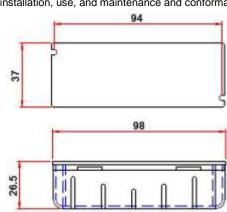
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1							
W	Н	ML					
37	26.5	94mm					
1.46	1.04	3.7inch					
	ase Si W 37 1.46	W H					

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}_{ighting}^{age}$  (1d.

Output Range 17V to 25V Constant Current 700mA Max 18W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 17V to 25V for Single circuit 18W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< <b>20</b> %
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loc	18AWG -18 ft
Typical Efficiency:	82%		

#### Case Size: Series P1

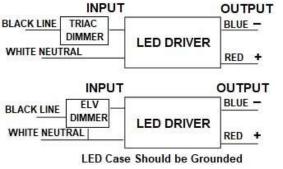
Ľ	ue to continuing e	1/9/22					
	INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	22	0.26A	18	17 to 25V	0.7A	TO700C18WS

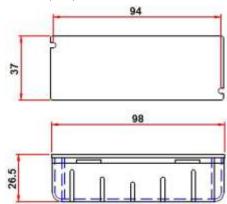
#### LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below** LUTRON LEVITON Lead Length DVCL-153P No.6674 Colour inch cm DVPDC-203P 15.2 6615-P0W Black 6 15.2 **NTLV-600** 6633-PLW White 6 S-600P-WH 6 15.2 **RP106** Blue SF-103P-WH 6 15.2 Red





Case Size Series P1							
/ Н	ML						
7 26.	5 94mm						
6 1.0	4 3.7inch						
	/ H 7 26. 16 1.0						

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**L**ighting ltd.

Output Range 25V to 36V Constant Current 700mA Max 25W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 25V to 36V for Single circuit 25W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant ICES-005 Issue 4/FCC Parts 15 Rating: IP 30 Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 50° C Typical Efficiency: 85% Input Voltage range:± 10%Output Current± 5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series P1

Due to	continuing e	4/4/20					
	NPUT OLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	30	0.26A	25	25 to 36V	0.7A	T0700C25WS

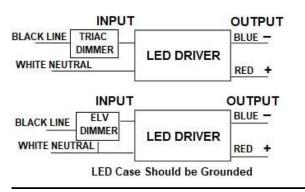
#### LIMITED WARRANTY

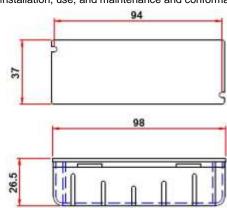
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1						
L	W	Н	ML			
98	37	26.5	94mm			
3.86	1.46	1.04	3.7inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $Z^{age}_{ighting \ ltd.}$ 

Output Range 35V to 50V Constant Current 700mA Max 35W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 35V to 50V for Single circuit 35W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant ICES-005 Issue 4/FCC Parts 15 Rating: IP 30 Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 50° C Typical Efficiency: 85% Input Voltage range:+10%Output Current+5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG-18 ft

#### Case Size: Series P2

D	ue to continuing e	4/1/19					
	INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	42	0.35A	35	35 to 50V	0.7A	T0700C35WS

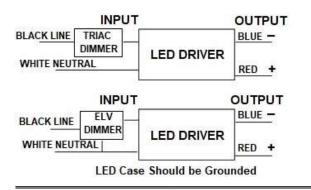
LIMITED WARRANTY

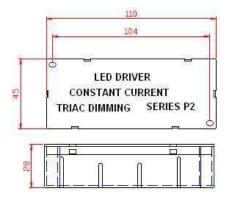
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		gth	
DVCL-153P	No.6674		Colour	inch	cm
DVPDC-203P	6615-P0W		Black	6	15.2
NTLV-600	6633-PLW	1	White	6	15.2
S-600P-WH	RP106		Blue	6	15.2
SF-103P-WH			Red	6	15.2





Case Size Series P2						
L	W	Н	ML			
110	45	28	104mm			
4.33	1.77	1.1	4.1inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

age ighting ltd.

Output Range 24V to 35V Constant Current 870mA Max 30W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 24V to 35V for Single circuit 30W maximum.

### **Technical Specification:**

Class 2 UL, CUL Reco	ognized, ROHS Compliant	Input
ICES-005 Issue 4/FCC	C Parts 15	Outp
Rating: IP 30		Input
Output Open/Short	Protection	THD:
Min. Starting Temp:	o° C	Powe
Max. Case Temp:	50° C	Remo
Typical Efficiency:	85%	

Input Voltage range:±10%Output Current±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:0.90Remote Wiring Distance Full Load:18AWG

#### Case Size: Series P2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	35	0.35A	30	24 to 35V	0.87A	TO870C30WS

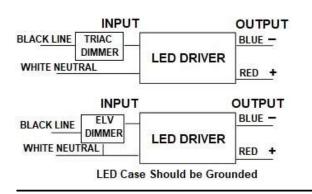
#### LIMITED WARRANTY

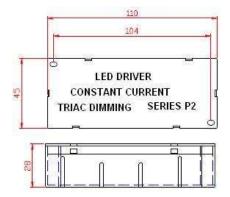
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lea	d Leng	gth
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P2						
L	W	Н	ML			
110	45	28	104mm			
4.33	1.77	1.1	4.1inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**L**ighting ltd.

Output Range 8V to 12V Constant Current 900mA Max 10W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 8V to 12V for Single circuit 10W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< <b>20</b> %
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 50° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
Typical Efficiency: 80%		

#### Case Size: Series P1

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.16A	11.5	10	8 to 12V	0.9A	TO900C10WS

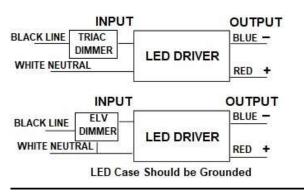
LIMITED WARRANTY

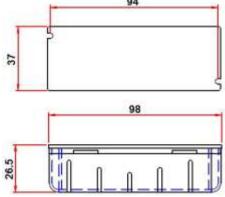
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

**Triac Dimmer Models below** 

LUTRON LEVITON		Lea	d Leng	gth
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1						
W	Н	ML				
37	26.5	94mm				
1.46	1.04	3.7inch				
	se Si W 37 1.46	W H				

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Sage sighting ltd.

Output Range 24V to 34V Constant Current 1000mA Max 34W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 24V to 34V for Single circuit 34W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short F	Protection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Loc	18AWG -18 ft
Typical Efficiency:	85%		

#### Case Size: Series P2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	40	0.35A	34	24 to 34V	1.0A	TO1000C34WS

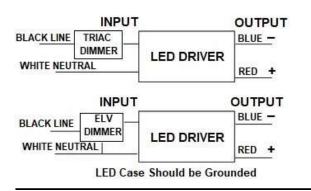
LIMITED WARRANTY

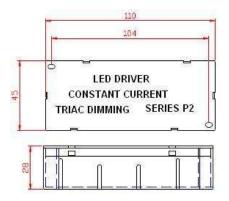
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

**Triac Dimmer Models below** 

LUTRON	LEVITON	Lead Length			gth
DVCL-153P	No.6674	Colour inch cr		cm	
DVPDC-203P	6615-P0W		Black	6	15.2
NTLV-600	6633-PLW		White	6	15.2
S-600P-WH	RP106		Blue	6	15.2
SF-103P-WH			Red	6	15.2





Case Size Series P2					
L	W	Н	ML		
110	45	28	104mm		
4.33	1.77	1.1	4.1inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Dage Lighting ltd.

Output Range 10V to 14V Constant Current 1050mA Max 15W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 10V to 14V for Single circuit 15W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC I	Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30		Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 20%
Min. Starting Temp:	o° C	Power Factor Min:	0.90
Max. Case Temp:	50° C	Remote Wiring Distance Full Load	d: 18AWG -18 ft
Typical Efficiency:	80%		

#### Case Size: Series P1

D	ue to continuing e	2/5/17					
	INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	19	0.16A	15	10 to 14V	1.05A	TO1050C15WS

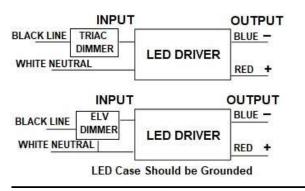
LIMITED WARRANTY

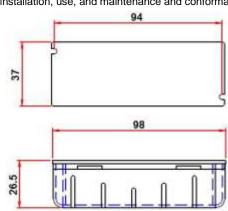
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer 94

#### Compatible 120VAC 60Hz

#### **Triac Dimmer Models below**

LUTRON	LEVITON	Lead Length		gth
DVCL-153P	No.6674	Colour	inch	cm
DVPDC-203P	6615-P0W	Black	6	15.2
NTLV-600	6633-PLW	White	6	15.2
S-600P-WH	RP106	Blue	6	15.2
SF-103P-WH		Red	6	15.2





Case Size Series P1						
L	W	Н	ML			
98	37	26.5	94mm			
3.86	1.46	1.04	3.7inch			

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $\hat{Z}_{ighting}^{age}$  (1d.

Output Range 24V to 35V Constant Current 1050mA Max 35W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 24V to 35V for Single circuit 35W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Comp	liant Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 50° C	Remote Wiring Distance Full L	.oad: 18AWG -18 ft
Typical Efficiency: 85%		

#### Case Size: Series P2

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice						3/1/19
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	42	0.35A	35	24 to 35V	1.05A	TO1050C35WS

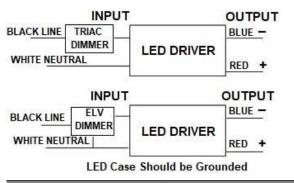
LIMITED WARRANTY

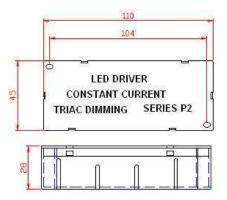
3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

**Triac Dimmer Models below** 

LEVITON	Lead Length		
No.6674	Colour	inch	cm
6615-P0W	Black	6	15.2
6633-PLW	White	6	15.2
RP106	Blue	6	15.2
	Red	6	15.2
	No.6674 6615-P0W 6633-PLW	No.6674Colour6615-P0WBlack6633-PLWWhiteRP106Blue	No.6674Colourinch6615-P0WBlack66633-PLWWhite6RP106Blue6





Case Size Series P2					
L	W	Н	ML		
110	45	28	104mm		
4.33	1.77	1.1	4.1inch		

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Range 8V to 11V Constant Current 1260mA Max 14W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 8V to 11V for Single circuit 14W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant Input Voltage range: ICES-005 Issue 4/FCC Parts 15 **Output Current** Rating: IP 30 Input Frequency: **Output Open/Short Protection** THD: 0° C Min. Starting Temp: Power Factor Min: 50° C Max. Case Temp: **Typical Efficiency:** 83%

<u>+</u> 10% + 5% 50/60HZ < 20% 0.90 Remote Wiring Distance Full Load: 18AWG -18 ft

#### Case Size: Series P1

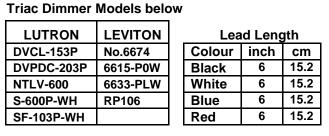
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

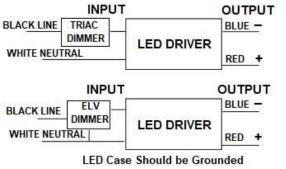
INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	16	0.35A	14	8 to 11V	1.26A	TO1260C14WS

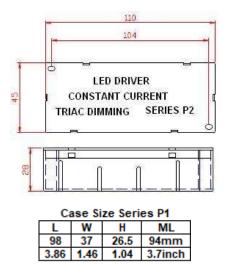
LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz







WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



Output Range 18V to 25V Constant Current 1400mA Max 35W

Small Polycarbonate Case with leads

AC 120V Electronic Constant Current LED Driver Triac Dimming compatible with Leading Edge or Trailing Edge dimmers. Output Range of 18V to 25V for Single circuit 35W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 10%
ICES-005 Issue 4/FCC Parts 15	Output Current	<u>+</u> 5%
Rating: IP 30	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 20%
Min. Starting Temp: 0° C	Power Factor Min:	0.90
Max. Case Temp: 50° C Typical Efficiency: 83%	Remote Wiring Distance Full La	oad: 18AWG -18 ft

#### Case Size: Series P2

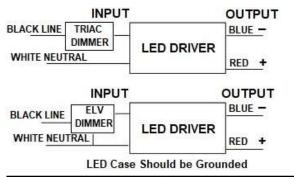
D	ue to continuing e	vithout prior notice	2/5/17				
	INPUT VOLTAGE	INPUT WATTS	INPUT CURRENT	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
	120	42	0.35A	35	18 to 25V	1.4A	TO1400C35WS

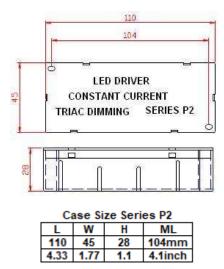
LIMITED WARRANTY

3 YEAR at maximum case temperature 50 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer

#### Compatible 120VAC 60Hz

Triac Dimmer Models below							
LEVITON		Lea	ıd Leng	gth			
No.6674		Colour	inch	cm			
6615-P0W		Black	6	15.2			
6633-PLW		White	6	15.2			
RP106		Blue	6	15.2			
		Red	6	15.2			
	LEVITON No.6674 6615-P0W 6633-PLW	LEVITON No.6674 6615-P0W 6633-PLW	LEVITON Lea No.6674 Colour 6615-P0W Black 6633-PLW White RP106 Blue	LEVITONLead LengNo.6674Colourinch6615-P0WBlack66633-PLWWhite6RP106Blue6			





WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes



# Sage

# RSET Current Adjustable STEP Dimming 120-277V & 347V Dimmable LED Drivers

Sage dimmable RSET drivers are simple to use, easy to adjust to desired output current by placing a resistor on the driver and do not require programming tools. These drivers offer flexibility for the Fixture Manufacturers to meet quick delivery demand while maintaining the lo West level of driver inventory possible.

It is also easy to combine into common dimming systems accessible in commercial applications. Pre-Programming is available to facilitate large production needs.

These RSET adjustable current drivers are available in 120-277V or 347V Input voltage and at 40W to 80W 0-10V Dimming.

Output Current: from 1100mA to 2200mA

# 347V LED DRIVER 54W 0-10V Dimming RSET Interface

Output Range 27V to 55V Constant Current **1500mA** Max **54W** 

Slim Case Size with Terminal Blocks

347V Electronic Constant Current LED Driver 1500mA 0-10V Dimming. Output Range between 27V to 55V for Single Output circuit 54W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant	Input Voltage range:	<u>+</u> 5%
EMI FCC Part 15, Class A	Output Load range	<u>+</u> 5%
Rating: IP 30 Damp	Input Frequency:	50/60HZ
Output Open/Short Protection	THD:	< 10%
Min. Starting Temp: 0° C	Power Factor Min:	>0.90
Max. Case Temp: 90° C	Remote Wiring Distance Full La	ad: 18AWG -18 ft
RSET Interface	Terminal blocks	
Typical Efficiency: 88%		

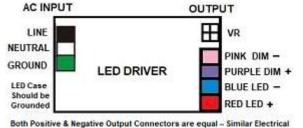
Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT	INPUT	INPUT	OUTPUT POWER	OUTPUT	OUTPUT CURRENT	MODEL
VOLTAGE	CURRENT	WATTS	WATTS MAX	VOLTAGE	AMPS	
347	0.21A	61	54	27 to 55V	0.9A - 1.5A	RC1500C54WSD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



Both Positive & Negative Output Connectors are equal – Similar Electrica Positions. Use resistor between RSET & GND to change current Driver will Default to Max Output Current when RSET is left Open

#### 0-10V Dimmer Compatibility Chart

LUTRON LEVITON	Case Size Series E13				
2011011 22111011	L	W	Н	ML	
NFTV DS710-10Z	314	34	27.5	301mm	
DVTV-WH	12.36	1.34	1.08	11.85inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

 $Z^{age}_{ighling \, ltd.}$ 

# LED DRIVER 40W 0-10V Dimming RSET Interface

Output Range 27V to 55V Constant Current **600mA** to **1100mA** Max **40W** Slim Case Size with Terminal Blocks

Universal Voltage 120-277V 600mA-1100mA Electronic Constant Current LED Driver 0-10V Dimming. Output Range between 27V to 55Vfor Single Output circuit 40W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: TL IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency: 88% RSET Interface

Input Voltage range:±5%Output Load range±5%Input Frequency:50/60HZTHD:< 10%</td>Power Factor Min:>0.90Remote Wiring Distance Full Load:18AWGTerminal blocks

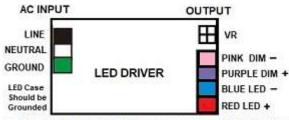
#### Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

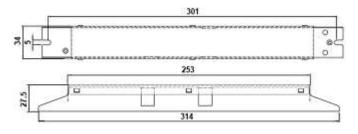
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.41						
277	0.18A	45	40	27 to 55V	0.6A - 1.1A	RU1100C40WSD	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



Both Positive & Negative Output Connectors are equal – Similar Electrical Positions. Use resistor between RSET & GND to change current Driver will Default to Max Output Current when RSET is left Open



WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533 www.sagedrivers.com www.sagelighting.com

RSET Table								
Rset(Ω)	lout(mA)	Rset(Ω)	lout(mA)					
> 6.2K	1100	4.7K	950					
6.2K	1100	4.3K	900					
5.6K	1050	2.49K	700					
4.7K	1000	1.96K	600					

### 0-10V Dimmer Compatibility Chart

LUTRON	LEVITON
NFTV	DS710-10Z
DVTV-WH	

Case Size Series E13						
L	W	Н	ML			
314	34	27.5	301mm			
12.36	1.34	1.08	11.85inch			

**Z**ighting ltd.

# LED DRIVER 54W 0-10V Dimming RSET Interface

Output Range 27V to 55V Constant Current **900mA to 1500mA** Max **54W** Linear Slim Case Terminal Blocks

Universal Voltage 120-277V 900mA - 1500mA Electronic Constant Current LED Driver 0-10V Dimming. Output Range between 27V to 55V for Single Output circuit 54W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Interface Typical Efficiency: 86% Input Voltage range:±5%Output Load range±5%Input Frequency:50/60HZTHD:< 10%</td>Power Factor Min:>0.90Remote Wiring Distance Full Load:18AWG-18 ft RSETTerminal blocks

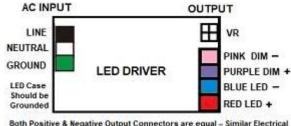
Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL	
120	0.58	61	64	54		0.0.4.54	
277	0.25A		54	27 to 55V	0.9 - 1.5A	RU1500C54WSD	

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



Both Positive & Negative Output Connectors are equal – Similar Electrical Positions. Use resistor between RSET & GND to change current Driver will Default to Max Output Current when RSET is left Open

#### 0-10V Dimmer Compatibility Chart

LUTRON LEVITON	Case Size Series E13				
2011011 22111011	L	W	Н	ML	
NFTV DS710-10Z	314	34	27.5	301mm	
DVTV-WH	12.36	1.34	1.08	11.85inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

**P**age Lighting ltd.

# LED DRIVER 48W 0-10V Dimming RSET Interface

Output Range 15V to 24V Constant Current 1400mA - 2000mA Max 48W Slim Case Size with Terminal Blocks

Universal Voltage 120-277V 1400mA - 2000mA Electronic Constant Current LED Driver 0-10V Dimming. Output Range between 15V to 24V for Single Output circuit 48W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 30 Damp **Output Open/Short Protection** Min. Starting Temp: 0° C 90° C Max. Case Temp: **RSET Interface Typical Efficiency:** 85%

Input Voltage range: + 5% Output Load range + 5% Input Frequency: 50/60HZ THD: < 10% Power Factor Min: >0.90 Remote Wiring Distance Full Load: 18AWG -18 ft **Terminal blocks** 

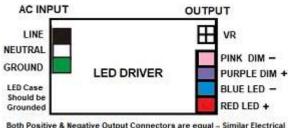
Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

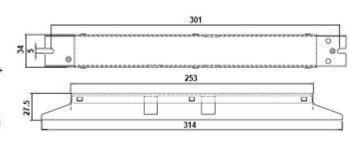
INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.58	50	40	45 to 0414	4.4 0.04	
277	0.25A	56	48	15 to 24V	1.4 – 2.0A	RU2000C48WSD

#### LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser. Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



Positions. Use resistor between RSET & GND to change current Driver will Default to Max Output Current when RSET is left Open



0-10V Dimmer Compatibility Chart

LUTRON LE	EVITON	Case Size Series E13				
20111011	2211011		W	Н	ML	
NFTV	DS710-10Z	314	34	27.5	301mm	
DVTV-WH		12.36	1.34	1.08	11.85inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

901 - 3rd Street West, North Vancouver, BC V7P 3P9 Canada TEL: 604-904-9533



www.sagedrivers.com www.sagelighting.com

# LED DRIVER 80W 0-10V Dimming RSET Interface

Output Range 27V to 55V Constant Current **1500mA** to **2200mA** Max **80W** Linear Slim Case Terminal Blocks

Universal Voltage 120-277V 1.5 to 2.2A Electronic Constant Current LED Driver 0-10V Dimming. Output Range between 27V to 55V for Single Output circuit 80W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recog	nized, ROHS Compliant	Input Voltage range:	<u>+</u> 5%
EMI FCC Part 15, C	lass A	Output Load range	<u>+</u> 5%
Rating: TL IP30 Dam	р	Input Frequency:	50/60HZ
Output Open/Short P	rotection	THD:	< 10%
Min. Starting Temp:	0° C	Power Factor Min:	>0.90
Max. Case Temp:	90° C	Remote Wiring Distance Full Loc	ad: 18AWG -18 ft
Typical Efficiency: RSET Interface	88%	Supply conductors Cross Section: Terminal blocks	0.75-1.5mm <sup>2</sup>

Case Size: Series E14

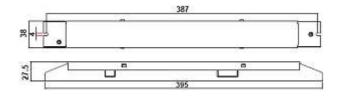
Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.83	91	80	27 to 55V	1.5A - 2.2A	RU2200C80WSD
277	0.33	91	80			

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 90 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.



Both Positive & Negative Output Connectors are equal – Similar Electrical Positions. Use resistor between RSET & GND to change current Driver will Default to Max Output Current when RSET is left Open



0-10V Dimmer Compatibility Chart

LUTRON	LEVITON	Case Size Series E14					
			L	W	Н	ML	
NFTV	D\$710-10Z		395	38	27.5	387mm	
DVTV-WH			15.5	1.49	1.08	15.23inch	

WARNING: Always Disconnect Power Before Handling. Case Should be Grounded. Install in Accordance with National and Local Electrical Codes

Pighting ltd.

# LED STEP-DIMMING DRIVER & RSET Interface

Output Range 27V to 55V Constant Current **1.0A to 1.5A** Max **54W** Terminal Blocks

Universal Voltage 120-277V Electronic Constant Current 1000mA to 1500mA Bi-Level Step Dimming LED Driver. Output Range between 27V to 55V for Single Output circuit 54W maximum.

### **Technical Specification:**

Class 2 UL, CUL Recognized, ROHS Compliant EMI FCC Part 15, Class A Rating: IP 30 Damp Output Open/Short Protection Min. Starting Temp: 0° C Max. Case Temp: 90° C Typical Efficiency: 86% RSET Interface Input Voltage range:±5%Output Load range±5%Input Frequency:50/60HZTHD:< 20%</td>Power Factor Min:>0.90Remote Wiring Distance Full Load:18AWGTerminal blocks

#### Case Size: Series E13

Due to continuing efforts to offer improved products all specifications are subject to change without prior notice

INPUT VOLTAGE	INPUT CURRENT	INPUT WATTS	OUTPUT POWER WATTS MAX	OUTPUT VOLTAGE	OUTPUT CURRENT AMPS	MODEL
120	0.58A	60	54			
277	0.25A	63	54	27 to 55V	1.0 - 1.5A	RU1500C54W-SD

LIMITED WARRANTY

5 YEAR at maximum case temperature 75 deg C. 3 YEAR at maximum case temperature 85 deg C. Manufacturer warrants to the purchaser: Product will be free from defects in material or workmanship from the date of manufacture conditioned upon proper storage, installation, use, and maintenance and conformance with any recommendations of Manufacturer.

