FLEX NEON LRF7 BENDS LEFT/RIGHT 0.7" FLAT LENS
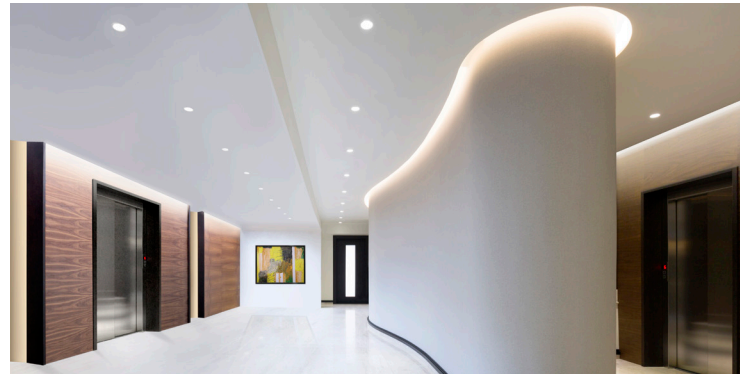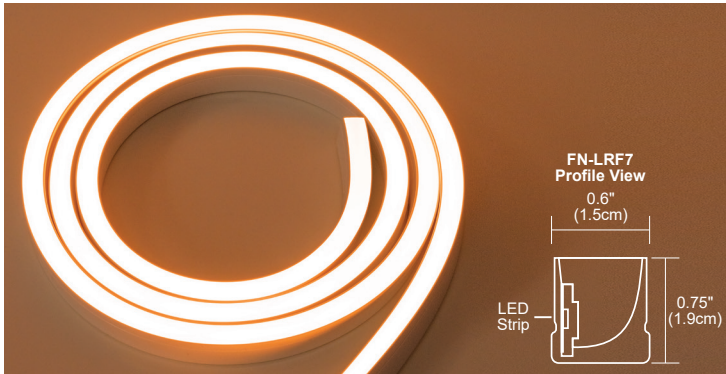## 24VDC INDOOR / OUTDOOR 2.5W | 5W | 7.5W STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

PURE EDGE LIGHTING

ASSEMBLED IN AMERICA

REV 03.08.21

FN-LRF7 Profile View

0.6" (1.5cm)

LED Strip

0.75" (1.9cm)

DESCRIPTION
LRF7 Flexible Neon Bends Left to Right with a 0.7" wide Flat lens, producing superior color quality and performance while creating uniform illumination without visible dots. Flex Neon LRF7 can be surface mounted or flush mounted. Choose from 9 different color temperatures ranging from 2000K to 3500K, including two Warm Dim options of 2400K **(24D)** or 2700K **(27D)** and Dynamic Tunable White **(2K4K or 27K6)**. Dynamic Tunable White technology grants independent control for adjusting LED color temperature and brightness. The 2K4K option provides a range of 2000K (Sunset) through 4000K (Cool White), ideal for residential and hospitality settings. The 27K6 option ranges from 2700K (Incandescent-mimic) through 6500K (Daylight), suitable for healthcare, office and other commercial applications. Use with two dimmers or, our proprietary Tunable White Controller **(CDMX-1)** for fast and accurate adjustment with three pre-set scenes (Ordered separately). The **(W)** is an IP65 rated wet location fixture featuring watertight barrel connections. The **(S)** Seamless (for continuous, seamless runs), is rated for Indoor Damp Locations ONLY and uses class 2 bare wire connectors. Fixture includes a 5-year pro-rated warranty. Patent pending.

SPECIFICATIONS
Flat top view 0.7" wide 0.75" high

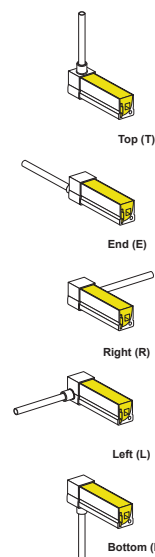|	
INPUT	24VDC with 5" leads
POWER SUPPLIES	Remote 24VDC power supply required
POWER CONSUMPTION	2.5, 4.4 or 7.3 watts per foot
INCREMENTS	2.4" or 3"
MAX LENGTH	2W- 40ft, 5W- 20ft, 7W- 12ft
MATERIAL	UV Resistant PVC
OPERATING TEMPERATURE	-4° F (-20° C) to 122° F (+50° C)
AVERAGE LED LIFE	50,000 hrs
WARRANTY	5 Year pro-rated
COMPLIANCE	Class 2 Wiring Indoor Applications, Outdoor Wet Location with Water Tight Barrel Connectors IP65 Rated, ETL listed, Title 24

LUMEN PERFORMANCE AT 3000K 7W PER FOOT
(SEE COMPLETE CHART PG 2)

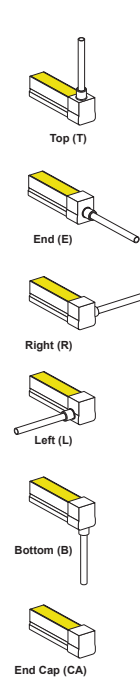|			
LUMEN OUTPUT	480 lm/ft	EFFICIENCY	66 lm/watt
CRI	94	R9	76
BEAM ANGLE	120°	BEAM TOLERANCE	+/- 30CCT

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)
- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)** with corresponding dimmer
- 0-10V
- Lutron Hi-Lume®
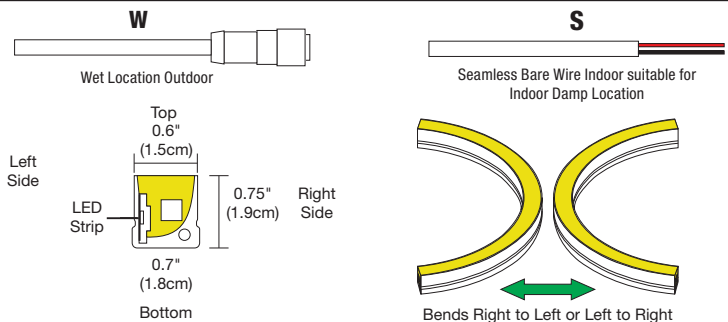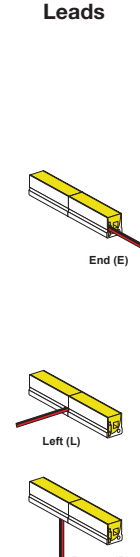- Dynamic Color Changing **(DMX)**

Wet Location Input Wire Leads

Top (T)

End (E)

Right (R)

Left (L)

Bottom (B)

Wet Location Output Wire Leads

Top (T)

End (E)

Right (R)

Left (L)

Bottom (B)

End Cap (CA)

Seamless Indoor Input and Output Leads

End (E)

Left (L)

Bottom (B)

W

Wet Location Outdoor

S

Seamless Bare Wire Indoor suitable for Indoor Damp Location

Top 0.6" (1.5cm)

Left Side

LED Strip

0.75" (1.9cm)

Right Side

0.7" (1.8cm)

Bottom

Bends Right to Left or Left to Right

System	Viewing Angle Model Shape	Wattage	Length in Inches	Color Temperature		5" Input Wire Feed	5" Output Wire	Environment
FN	**LRF7**	**2W**	**120**	**27K**		**E**	**L**	**W**

System	Viewing Angle Model Shape	Wattage	Length in Inches	Color Temperature		5" Input Wire Feed	5" Output Wire	Environment
FN Flex Neon 24V	**LRF7** Left or Right side bend, Flat top view 0.7" x 0.75"	**2W** 2.5 watts per foot **5W** 5 watts per foot **7W** 7.5 watts per foot	6-480 (40ft max) 6-240 (20ft max) 6-144 (12ft max) †Static White 20K-35K: 2.4" Increments Warm Dim and Dynamic Tunable White: 5W Only, 3" increments	**20K** 2000K Candle Light White **22K** 2200K Amber White **24K** 2400K Very Warm White **24D*** 2400K Warm Dim, Dims to 1800K **27K** 2700K Incandescent White	**27D*** 2700K Warm Dim, Dims to 2000K **30K** 3000K Warm White **35K** 3500K Neutral White **2K4K*** Tunable White 2000K-4000K **27K6*** Tunable White 2700K-6500K *5W Only	**T*** Top Power Input Wire **E*** End Power Input Wire **L** Left Power Input Wire **R*** Right Power Input Wire **B** Bottom Power Input Wire	**T*** Top Wire Lead Out **E** End Wire Lead Out **L** Left Wire Lead Out **R*** Right Wire Lead Out **B** Bottom Wire Lead Out **CA** Cap at end, no feed through	**S** Seamless Indoor/ Damp location bare wire leads Bottom and Left Feed Only **W** Outdoor wet location Barrel Connector cable leads

*Top and Right wire leads are not available for Seamless indoor

PROJECT		FIXTURE TYPE		DATE	

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FLEX NEON LRF7 BENDS LEFT/RIGHT 0.7" FLAT LENS
24VDC INDOOR / OUTDOOR 2.5W | 5W | 7.5W STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

PURE EDGE LIGHTING

REV 03.08.21

Lamp Data: Lamp Data for Flex Neon LRF7

	FN-LRF7																					
WATTS PER FOOT	2W (2.5 watts)								5W (5 watts)									7W (7.5 watts per ft)					
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	20K	22K	24K	24D*	27K	27D*	30K	35K	57K	22K	24K	27K	30K	35K	57K
LUMENS PER FOOT (lm/ft)	118	133	147	162	177	203	220	234	208	233	259	357	285	390	311	356	412	360	399	439	480	549	636
LUMENS PER WATT (lm/w)	47	53	59	65	71	81	88	94	47	53	59	74	65	81	71	81	94	49	55	60	66	75	87
CRI	92	92	92	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92

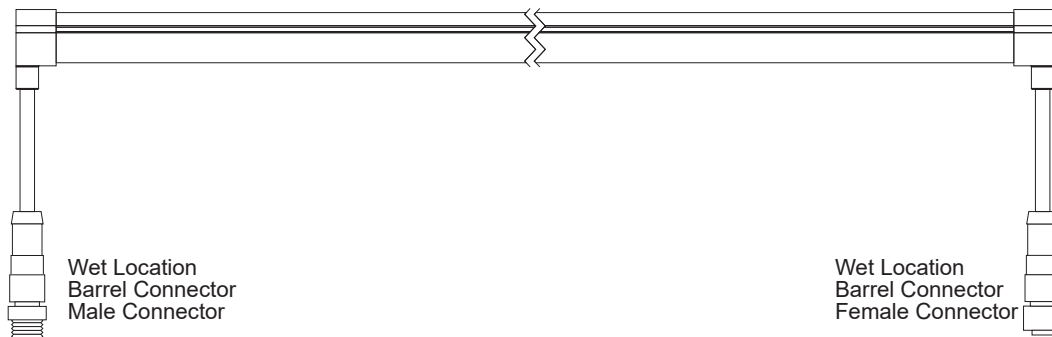|	TUNABLE WHITE 2K4K*								TUNABLE WHITE 27K6*						
WATTS PER FOOT	5w								5w						
COLOR TEMPERATURE	18K	20K	22K	24K	27K	30K	35K		24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	196	181	191	202	221	230	274		226	231	240	249	246	244	243
LUMENS PER WATT (lm/w)	43	39	42	44	48	50	60		57	58	58	59	60	61	62
CRI	92	92	92	92	93	92	92		92	93	92	92	84	84	85

*Tunable White has a variance in color temperature due to the material.

Drawings: Dimensions for the Flex Neon LRF7

Seamless (S) Connection
**Indoor / Damp Rated with No End Cap**

Bottom (B)

Bare Wire
Indoor Damp
Location

Bare Wire
Indoor Damp
Location

Seamless Connection

Left (L)

Seamless Circle

Left (L)
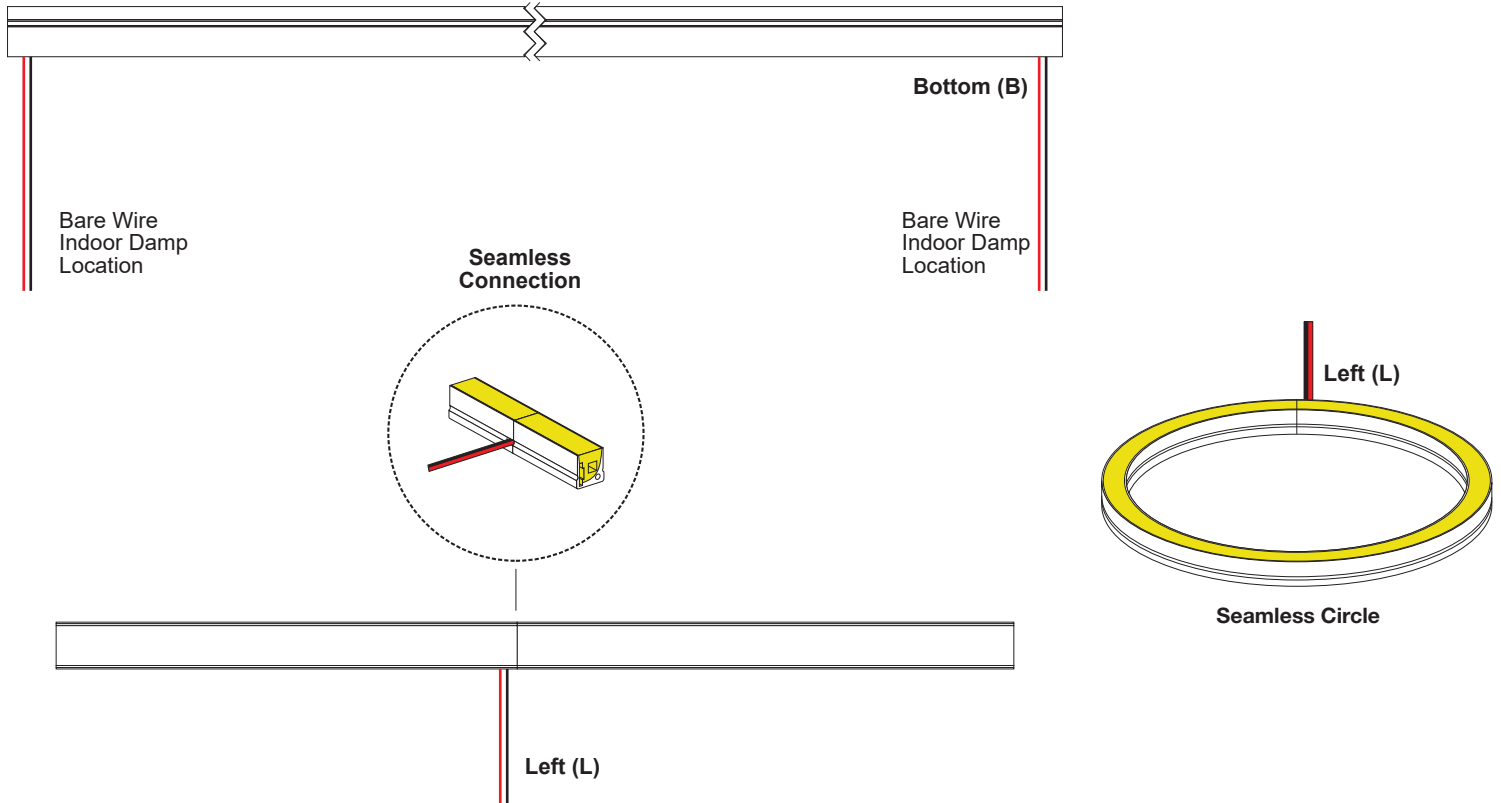
Wet (W)
Outdoor Location with End Cap

Wet Location
Barrel Connector
Male Connector

Wet Location
Barrel Connector
Female Connector

PROJECT		FIXTURE TYPE		DATE

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FLEX NEON OUTDOOR ACCESSORIES
24VDC INDOOR / OUTDOOR 2.5W | 5W | 7.5W STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

INTERIOR OR EXTERIOR CHANNEL
Interior or exterior channel features an aluminum extrusion with mounting clips included every 2ft. Available in length up to 10ft long and may be cut at the job site.
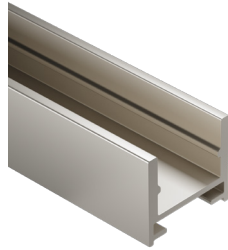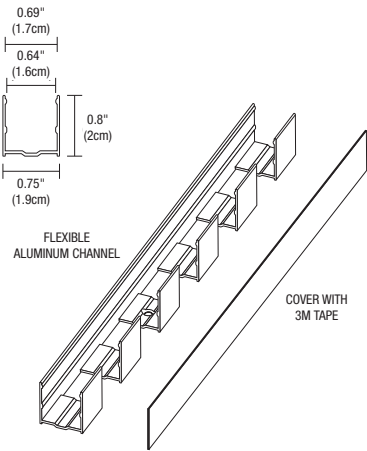
EXT.7 Light Channel
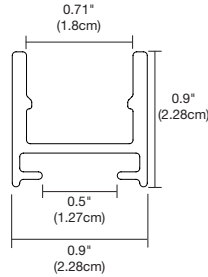
Product	Length	Finish
EXT.7	**10FT**	**SA**
EXT.7 Extrusion 0.7" Wide	4FT 4 Feet	SA Satin Aluminum
	5FT 5 Feet	WH White
	8FT 8 Feet	
	10FT 10 Feet	

FLEXIBLE ALUMINUM CHANNEL
Flexible aluminum channel is designed to work specifically with Flex Neon for practical and professional mounting. The channel can make large radius 90° turns, perfect circles and sweeping bends that follow the form of architectural details, soffits, signage and more - consider using this channel to guide your linear LED lighting design. Patent Pending.
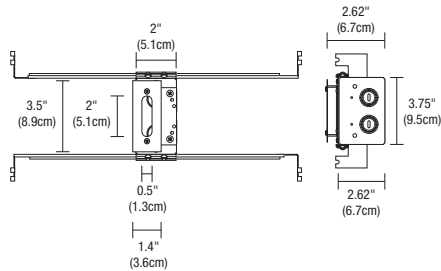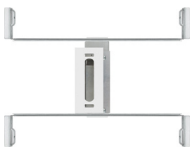
FLEXIBLE ALUMINUM CHANNEL

COVER WITH 3M TAPE

FLEXIBLE ALUMINUM CHANNEL

COVER WITH 3M TAPE

PATENT PENDING
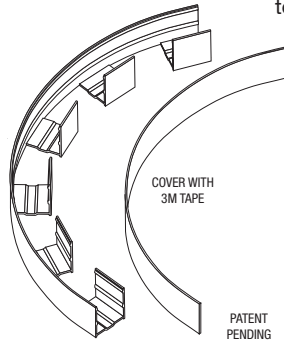
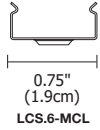| Product	Length	Finish
FX-EXT.7	**4FT**	**WH**
FX-EXT.7 Flexible Extrusion 0.7" Wide	4FT 4 Feet	BK Black
		WH White

1" RECTANGLE CANOPY & J-BOX
The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires. The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.

Canopy	Product
1RE	**JBOX**
1RE 1" Rectangle	JBOX Junction Box

| PROJECT | | FIXTURE TYPE | | DATE | |

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3

FLEX NEON OUTDOOR ACCESSORIES
24VDC INDOOR / OUTDOOR 2.5W | 5W | 7.5W STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

PURE EDGE LIGHTING

REV 03.08.21

LCS.6-MCL

0.75"
(1.9cm)

LCS.6-MCL

0.6"
(1.5cm)

0.8"
(2cm)

0.8"
(2cm)

1.77"
(4.5cm)

LCS.6-MCL-075

LCS.6-MCL-075
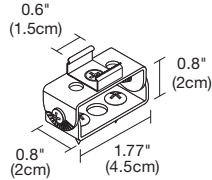
0.63"
(1.6cm)

3"
(7.6cm)

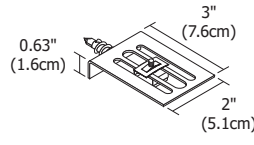2"
(5.1cm)

LCS.6-MCL-90

MOUNTING CLIPS
LCS.6 mounting clips are provided with every 12" of Flex Neon and may be ordered separately as replacement parts. The LCS.6-MCL-075 rotates Light Channel up to 75 degrees. LCS.6-MCL-90 mounts Light Channel at a 90 degree angle.

System		Product		Type
LCS.6	–	**MCL**	–	**075**

LCS.6 Flex Neon Left Right 0.6" | **MCL** Mounting Clip | Standard, Leave Blank
075 Adjust 0-75°
90 Mounts at 90°

FLEX NEON TIE STRAP
Use for mounting to poles for extra support, every 6"-12" (30 per package).

Product		Type
SS	–	**ST**

SS LED Flex Neon | **ST** Tie Strap

DIRECT BURIAL LOCATION CABLE ORDER PER FOOT
Our Direct Burial, 2 Conductor Plus ground, 12 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.

Product		Gauge		Cable
DB	–	**12G**	–	**2C**

DB Direct Burial | **12G** 12 Gauge | **2C** 2 Conductor

WET AND DAMP LOCATION CABLE ORDER PER FOOT
Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.
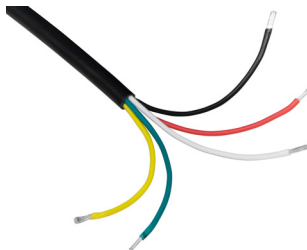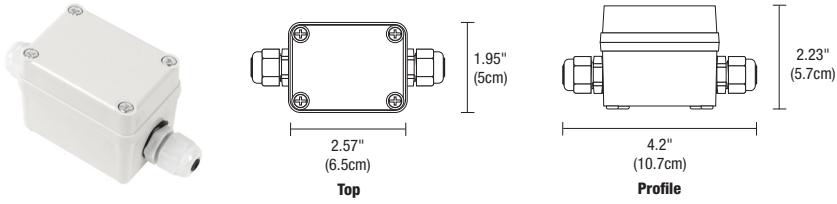
Product		Gauge		Cable
OC	–	**14G**	–	**5C**

OC Outdoor Cable | **14G** 14 Gauge | **5C** 5 Conductor

PROJECT		FIXTURE TYPE		DATE	

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4

FLEX NEON OUTDOOR ACCESSORIES AND J-BOX'S
24VDC INDOOR / OUTDOOR 2.5W | 5W | 7.5W STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

PURE EDGE LIGHTING

REV 03.08.21

WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.

1.95" (5cm)
2.57" (6.5cm)
Top

2.23" (5.7cm)
4.2" (10.7cm)
Profile

Product	Type	Option
2RE	**JBOX**	**W**
2RE 2" Rectangle	JBOX Junction Box	W Wet Location

## WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.

Product	Canopy	Product	Size	Option
SS	**2RE**	**JBOX**	**6IN**	**W**
SS LED Soft Strip Flex Neon	2RE 2" Rectangle	JBOX Junction Box	6IN 6" Four Wire Connection	W Wet Location

POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

Size
1.84" (4.7cm)
1.88" (4.8cm)
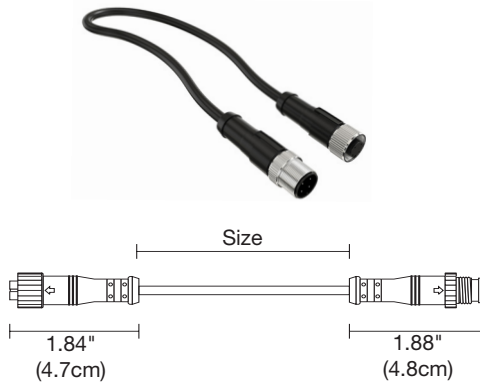
Product	Type	Size	Option
SS	**CFX**	**12IN**	**W**
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	12IN 12" 96IN 96"	W Wet Location

WET LOCATION T-CONNECTOR

Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.

Product	Type	Option
SS	**TC**	**W**
SS Soft Strip and Flex Neon	TC T-Connector 4 Wire	W Wet Location

INDOOR CONSTANT VOLTAGE 0-10V REMOTE POWER SUPPLIES

24VDC 0-10V REMOTE POWER SUPPLY, STATIC & DYNAMIC TUNABLE WHITE DUAL CONTROL.

PURE EDGE LIGHTING

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†

| ORDERING CODE	PSB-25W-010-24VDC	PSB-60W-010-24VDC	PSB-96W-010-24VDC	PSB-2X96W-010-24VDC
SPECIFICATIONS				
MAXIMUM LOAD	25W	60W	96W	2X96W
INPUT VOLTAGE	120VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-25W-010-24VDC-IW	PSB-60W-010-24VDC-IW	PSB-96W-010-24VDC-IW	PSB-2X96W-010-24VDC-IW

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†

ORDERING CODE	PSB-3X96W-010-24VDC	PSB-4X96W-010-24VDC
SPECIFICATIONS		
MAXIMUM LOAD	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC
DIMENSIONS	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2
IN-WALL MOUNTING	N/A	N/A
DIMMING & CONTROLS		
PHILIPS SUNRISE: SR1200ZTUNV	•	•
LUTRON DIVA: DVTV-WH, DVSTV-WH	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•
LUTRON RADIO RA2: RRD-10ND	•	•
LEVITON: LEV40050	•	•
LEVITON IP710-LFZ	•	•
LEGRAND: ADPD4FBL3P2W4	•	•

5.1 x 14.25 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-25W-010-24VDC-IW, PSB-60W-010-24VDC-IW PSB-96W-010-24VDC-IW
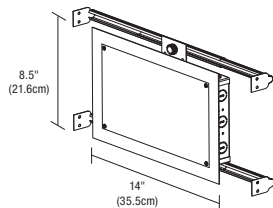
8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-2X96W-010-24VDC-IW

| PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE 0-10V REMOTE POWER SUPPLIES

24VDC 0-10V REMOTE POWER SUPPLY, STATIC & DYNAMIC TUNABLE WHITE DUAL CONTROL.

SAMPLE WIRING DIAGRAMS 24VDC 010

Application: 0-10V Dimming Applications For Static White and Warm Dim 0-10V Dual Dimming.

Dimming: Dimmable with 0-10V dimmers: Signify (Phillips) Sunrise: SR1200ZTUNV, Leviton Dimmers: LEV40050, IP710-LFZ, *IP710-DLZ *(Built in LED locator light) Legrand Dimmer: ADPD4FBL3P2W4 Lutron Systems: Lutron GRAFIX Eye QS Main Unit (with DRX-TVI) Radio Ra2 (with GRX-TVI)
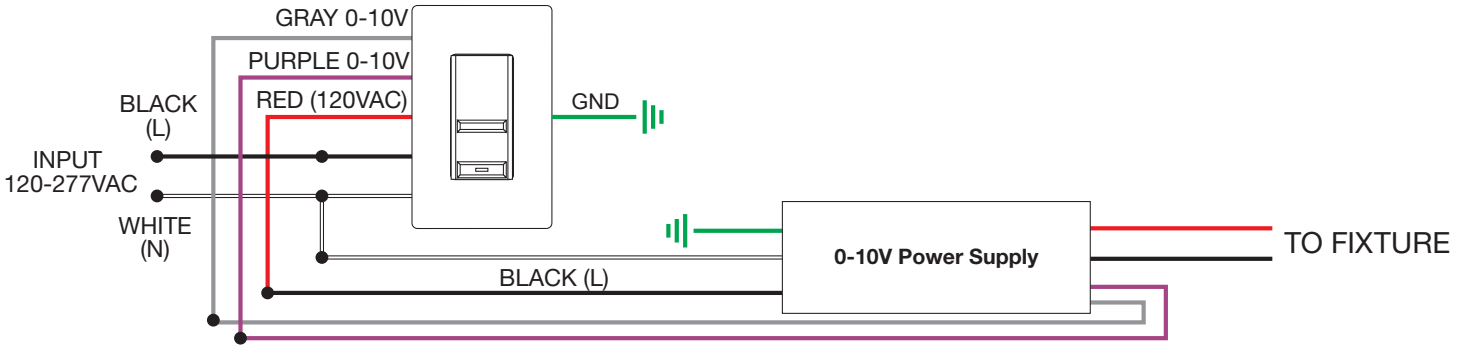
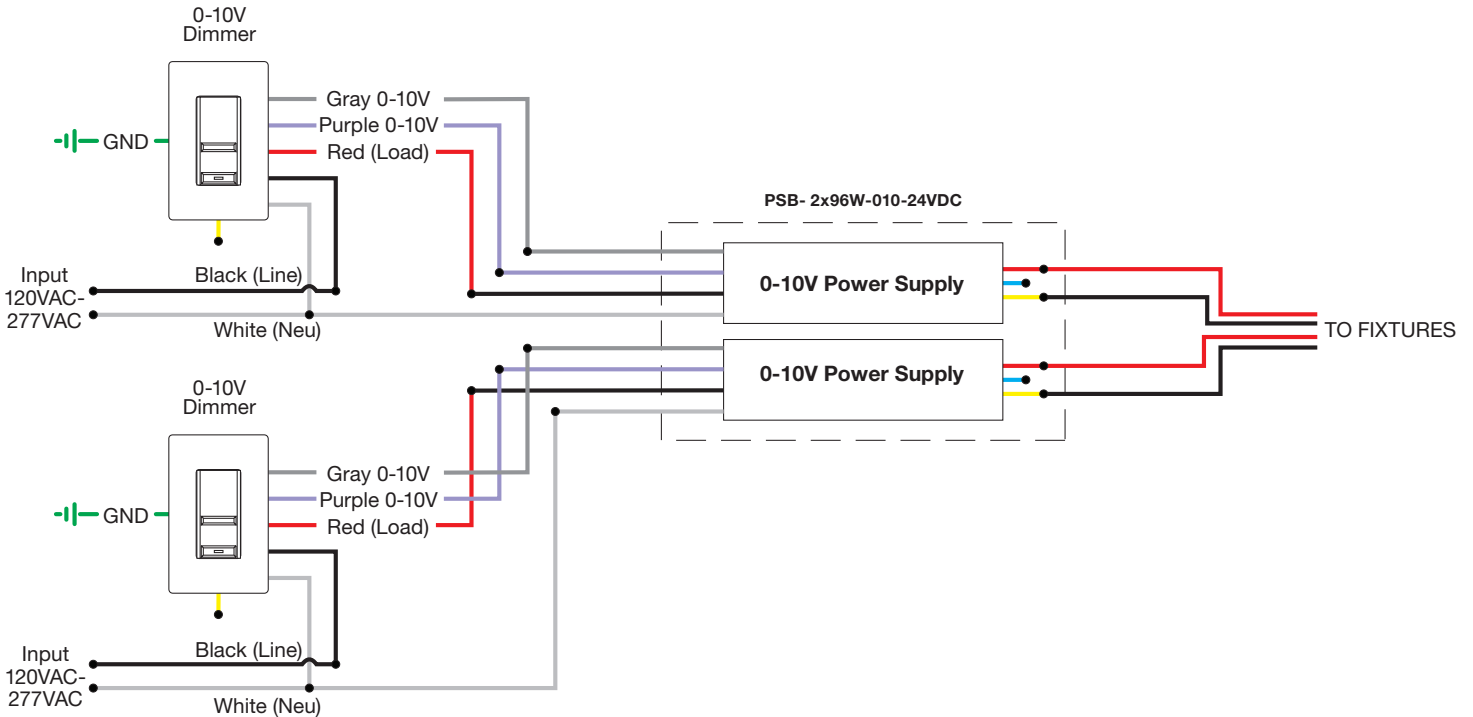**Application:**   Dual 0-10V dimming for Dynamic/Tunable White

Dimming: Dimmable with Dual 0-10V dimmers: Signify (Phillips) Sunrise: SR1200ZTUNV, Leviton Dimmers: LEV40050, IP710-LFZ, *IP710-DLZ *(Built in LED locator light), Legrand Dimmer: ADPD4FBL3P2W4, Lutron Systems: Lutron GRAFIX Eye QS Main Unit (with DRX-TVI) Radio Ra2 (with GRX-TVI)

| PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, ELV

ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†‡				
ORDERING CODES	**PS-60L-ELV-24VDC**	**PSB-60W-ELV-24VDC**	**PSB-2X60W-ELV-24VDC**	**PSB-100W-ELV-24VDC**
SPECIFICATIONS				
MAXIMUM LOAD	60W NON-IC, 50W-IC (FITS IN JBOX)	60W	2X60W	96W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	2.25" X 1.25" X 0.83"	8.125" X 2" X 1.75"	12.15" X 6.48" X 2.18"	9.25" X 3.5" X 2"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN WALL MOUNTING	N/A	PSB-60W-ELV-24VDC-IW	PSB-2X60W-ELV-24VDC-IW	PSB-100W-ELV-24VDC-IW

ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†‡			
ORDERING CODES	**PSB-2X100W-ELV-24VDC**	**PSB-3X100W-ELV-24VDC**	**PSB-4X100W-ELV-24VDC**
SPECIFICATIONS			
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
IN WALL MOUNTING	PSB-2X100W-ELV-24VDC-IW	N/A	N/A
DIMMING AND CONTROLS			
LUTRON DIVA: DVELV-300P	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•

†22K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies. Tunable White color temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

‡Electrical Panels using Seimens/Murray AFCI breakers are not compatible with this ELV transformer. Use 0-10 Volt power supplies with this breaker

With N-Lite Dimming Do Not use ELV power supplies, use only 0-10 volt or Uni drivers power supplies
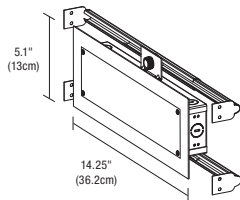
5.1 x 14.25 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-60W-ELV-24VDC-IW
PSB-100W-ELV-24VDC-IW
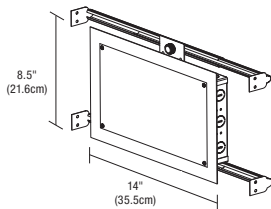
8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-2X60W-ELV-24VDC-IW
PSB-2X100W-ELV-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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8

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, ELV

PURE EDGE
LIGHTING

SAMPLE WIRING DIAGRAMS 24VDC ELV

Application: ELV dimming for Static White

Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2

ELV DIMMER
WHITE (NEUTRAL)
INPUT 120VAC
GND
BLACK (HOT)
PSB-60W-ELV-24VDC
BLACK (HOT)
+24VDC RED
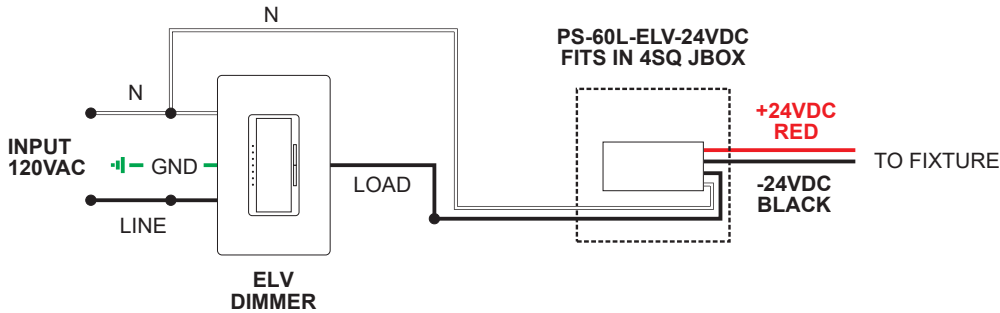TO FIXTURE
-24VDC BLACK

Application: ELV dimming for Static White

Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2

N
N
INPUT 120VAC
GND
LINE
LOAD
ELV DIMMER
PS-60L-ELV-24VDC FITS IN 4SQ JBOX
+24VDC RED
TO FIXTURE
-24VDC BLACK
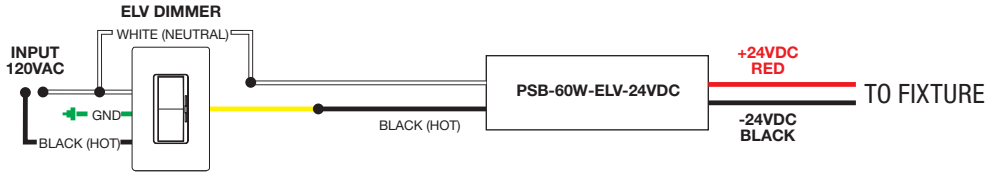
Application: Dual ELV dimming for Dynamic/Tunable White

Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2
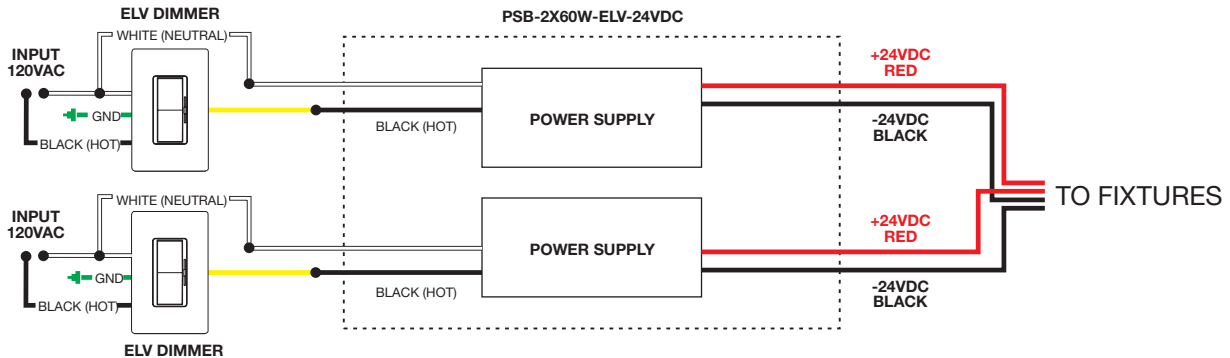
ELV DIMMER
WHITE (NEUTRAL)
INPUT 120VAC
GND
BLACK (HOT)
PSB-2X60W-ELV-24VDC
BLACK (HOT)
POWER SUPPLY
+24VDC RED
-24VDC BLACK
INPUT 120VAC
WHITE (NEUTRAL)
GND
BLACK (HOT)
BLACK (HOT)
POWER SUPPLY
+24VDC RED
-24VDC BLACK
ELV DIMMER
TO FIXTURES

PROJECT		FIXTURE TYPE		DATE	

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9

OUTDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V WET LOCATION

PURE EDGE LIGHTING
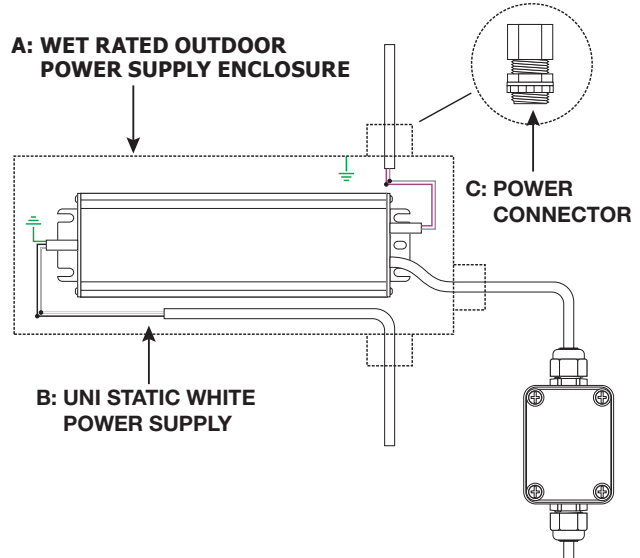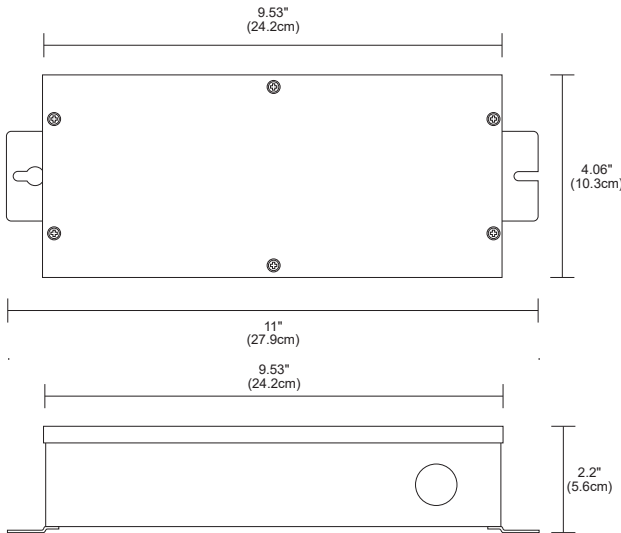
REV. 03.08.21

UNI STATIC WHITE POWER SUPPLY

Universal Power Supply: 120/277VAC-24VDC with Universal dimming ELV, Triac or 0-10V dimmers. 100-0% Flicker free dimming. Aluminum casing for optimal heat dissipation. Isolated output power per NEC and UL safety requirements. UL & ETL recognized/ listed, meets UL8750, 1310 requirement. Auto-reset; short circuit, overload and thermal protection. Class 2 power supply. Efficient, High power factor > 0.90. Exceeds California Title 24 Requirements AAA rating. Efficiency > 84% Power Factor > 0.90. Case TC 90C° Max. Protection Input / Output Storage -30°C / +90°C Humidity 95% RH Max. Class 2 Power Supply Dimming ELV, Triac, 0-10V IP Rating IP20, IP67

Con-1-2CORD-O Cord conductors included

Product		Wattage		Type		Voltage		Option	
PSB		**60W**		**UNI**		**24VDC**		**W**	
PSB	Power Supply with junction box	60W	60 Watts	UNI	Uni Driver	24VDC	24VDC	W	Wet Location
		96W	96 Watts						

9.53"
(24.2cm)

4.06"
(10.3cm)

11"
(27.9cm)

9.53"
(24.2cm)

2.2"
(5.6cm)

A: WET RATED OUTDOOR POWER SUPPLY ENCLOSURE

C: POWER CONNECTOR

B: UNI STATIC WHITE POWER SUPPLY

COMPATIBLE DIMMERS:

TRIAC DIMMING & CONTROLS
LUTRON SKYLARK: S2-L-WH
LUTRON DVLV-600P-WH
LUTRON DVLV-603P-WH
LUTRON MALV-600-WH
LUTRON MALV-1000-WH
LUTRON MA-R-XX

ELV DIMMING & CONTROLS
LUTRON DIVA: DVELV-300P
LUTRON SKYLARK: SELV-300P
LUTRON RADIO RA2: RRD-6NA
LUTRON MAESTRO: MAELV-600
LEGRAND ADORNE: ADTP-703TUM4

0-10 DIMMING & CONTROLS (AVAILABLE Q1 2020)
PHILIPS SUNRISE: SR1200ZTUNV
LUTRON DIVA: DVTV-WH, DVSTV-WH
LUTRON NOVA T: NTSTV-DV-XX
LUTRON GRAFIK EYE QS: QSGRJ-XP
LUTRON RADIO RA2: RRD-10ND
LEVITON: LEV40050
LEVITON IP710-LFZ
LEGRAND: ADPD4FBL3P2W4

A. WET RATED OUTDOOR POWER SUPPLY ENCLOSURE
Use of Outdoor requires a Wet Location Junction Box to house the wire connection from the Power Supply. The Outdoor Connection Box is sold separately.

B. UNI STATIC WHITE POWER SUPPLY
Outdoor-rated Power Supplies are required for use with Outdoor, and are sold separately. Outdoor has a maximum run length of 40' at 2 watts per foot or 20' at 5 watts.

C. POWER CONNECTOR
Power Connector connects to the remote power supply. Comes connected to each end of the fixture

- Flicker free dimming
- Class 2 power supply
- Efficient, High power factor > 0.90
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements

- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
  - Triac Dimmer: (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
  - ELV Dimmer: (Reverse Phase) Dimming of Electronic Low Voltage Transformers and Power Supply's used for LED lighting
  - 0-10 Dimmer: Dims the Low Voltage side of a 0-10 volt power supply commonly used in large scale lighting or commercial applications.
- The Uni-Power Supply is recommended with any Siemens/Murray brand of arc fault breaker to overcome the issues with tripping the breakers with an ELV LED Low Voltage Drivers.

PROJECT		FIXTURE TYPE		DATE	

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10

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

PURE EDGE LIGHTING

REV 03.08.21

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS			
ORDERING CODE	PSB-40W-UNI-24VDC	PSB-60W-UNI-24VDC	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC

SPECIFICATIONS				
MAXIMUM LOAD	40W	60W	2X40W	2X60W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-40W-UNI-24VDC-IW	PSB-60W-UNI-24VDC-IW	PSB-2X40W-UNI-24VDC-IW	PSB-2X60W-UNI-24VDC-IW

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS			
ORDERING CODE	PSB-96W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-3X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC

SPECIFICATIONS				
MAXIMUM LOAD	96W	2X96W	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-96W-UNI-24VDC-IW	PSB-2X96W-UNI-24VDC-IW	NA	NA

ELV DIMMING & CONTROLS				
LUTRON DIVA: DVELV-300P	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•	•

0-10 DIMMING & CONTROLS				
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA: DVTV-WH, DVSTV-WH	•	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•	•	•
LUTRON RADIO RA2: RRD-10ND	•	•	•	•
LEVITON: LEV40050	•	•	•	•
LEVITON IP710-LFZ	•	•	•	•
LEGRAND: ADPD4FBL3P2W4	•	•	•	•

TRIAC DIMMING & CONTROLS				
LUTRON SKYLARK: S2-L-WH	•	•	•	•
LUTRON DIVA DVLV-600P-WH	•	•	•	•
LUTRON DIVA DVLV-603P-WH	•	•	•	•
LUTRON MAESTRO MALV-600-WH	•	•	•	•
LUTRON MAESTRO MALV-1000-WH	•	•	•	•
LUTRON MAESTRO MA-R-XX	•	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90
- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
  – Triac Dimmer : (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
  – ELV Dimmer : (Reverse Phase) Dimming of Electronic Low Voltage Transformers and Power Supply's used for LED lighting
  – 0-10 Dimmer : Dims the Low Voltage side of a 0-10 volt power supply commonly used in large scale lighting or commercial applications.
- The Uni-Power Supply is recommended with any Siemens/Murray brand of arc fault breaker to overcome the issues with tripping the breakers with an ELV LED Low Voltage Drivers.

PROJECT		FIXTURE TYPE		DATE	

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11

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

PURE EDGE
LIGHTING

IN WALL MOUNTING OPTIONS

5.1"
(13cm)

14.25"
(36.2cm)

8.5"
(21.6cm)

14"
(35.5cm)

In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes 5.1 x 14.25 inch: PSB-40W-UNI-24VDC-IW
PSB-60W-UNI-24VDC-IW
PSB-96W-UNI-24VDC-IW

Ordering Codes 8.5 x 14.25 inch: PSB-2X40W-UNI-24VDC-IW
PSB-2X60W-UNI-24VDC-IW
PSB-2X96W-UNI-24VDC-IW

WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

Application: Triac dimming for two power supplies, use for Static White, Dynamic/Tunable White
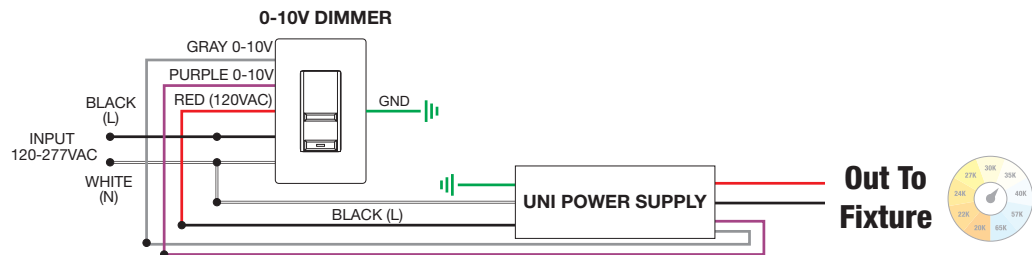
Dimming: Dimmable with Triac dimmer: Lutron: Skylark S2-L
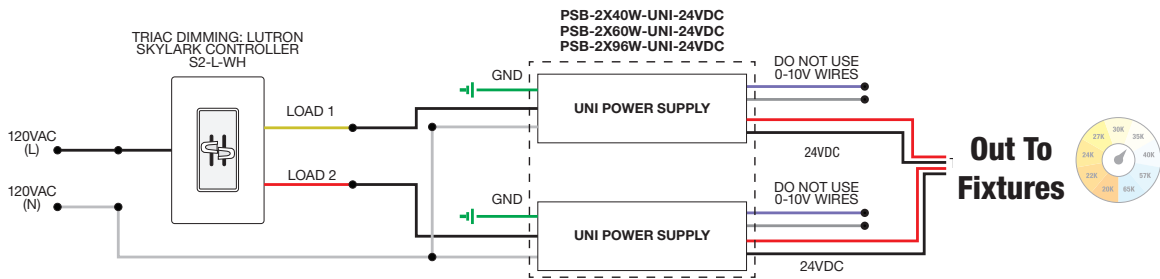
Application: ELV dimming for Static White and Warm Dim

Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2
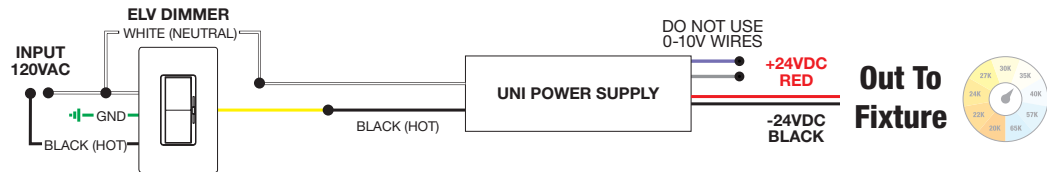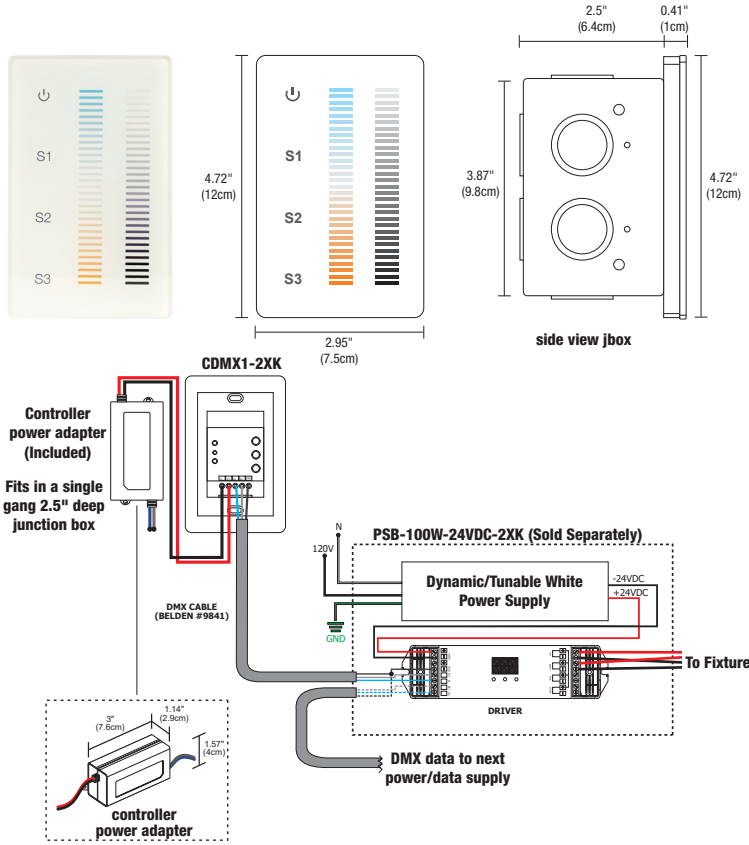

Application: 0-10V dimming for Static White

Dimming: Dimmable with 0-10V dimmer: Philips Sunrise: SR1200ZTUNV; Lutron Diva: DVTV-WH, DVSTV-WH; Lutron Nova T: NTSTV-DV-XX; Lutron Grafix EYE QS: QSGRJ-XP; Lutron Radio Ra2: RRD-10ND; Leviton: LEV40050; Leviton IP710-LFZ; Legrand: ADPD4FBL3P2W4

PROJECT		FIXTURE TYPE		DATE	

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12

DYNAMIC/TUNABLE WHITE CONTROLLER AND POWER SUPPLIES
24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DMX DRIVERS

PURE EDGE LIGHTING

REV 03.08.21

2.5" (6.4cm) 0.41" (1cm)

4.72" (12cm)

2.95" (7.5cm)

CDMX1-2XK

Controller power adapter (Included)

Fits in a single gang 2.5" deep junction box

3.87" (9.8cm)

4.72" (12cm)

side view jbox

DMX CABLE (BELDEN #9841)

N
120V

PSB-100W-24VDC-2XK (Sold Separately)

Dynamic/Tunable White Power Supply

-24VDC
+24VDC

GND

DRIVER

To Fixture

DMX data to next power/data supply

3" (7.6cm) 1.14" (2.9cm) 1.57" (4cm)

controller power adapter

DESCRIPTION:

The Dynamic/Tunable White **(2K4K or 27K6)** Touch Controller offers fast and accurate Color Temperature adjustment and the ability to regulate the Brightness Independently. The modern Glass faceplate features illuminated indicators, and a back-lit night light that softly illuminates the controller when powered off. Designed for Dynamic/Tunable White, and dual-color LED installations within a single zone. The two Vertical Touch sliders are precise and sensitive, allowing you to fine-tune your perfect Color Temperature at any point between **2000K** (Sunset) to **4000K** (Cool White) or from **2700K** (Incandescent White) to **6500K** (Daylight White) while selecting over 250 levels of Brightness in a smooth, uninterrupted transition. Create Thousands of Dynamic White Color Combinations while maintaining even Brightness and overall saturation. Easily save three pre-set scenes for different times of the day. Support health, performance, and general well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle using the latest in LED technology. Includes a power adapter that fits behind the controller within a standard junction box and fits inside a standard single-gang receptacle (not for use in a multi-gang box). Use with an insulated, 24 AWG stranded, tinned copper wire (Belden #9841). Power Supplies are Sold Separately. Includes a 5 year pro-rated warranty.

APPLICATIONS:
Indoor

OUTPUT SIGNAL:
USITT DMX 512 (1990)

INSTALLATION:
Fits in a single gang 2.5 inch deep junction box. Not compatible with multi-gang boxes.

LABELS:
ROHS, FCC, Damp Location, ETL/UL

POWER INPUT:
120-240VAC

Product	Type	Finish
CDMX1	**2XK**	**WH**

**CDMX1** DMX Single Zone Touch Controller **2XK** Tunable White **WH** White

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS†

ORDERING CODE	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
SPECIFICATIONS				
MAXIMUM LOAD OF LED STRIP LENGTH	100W 5 WATTS - 20FT MAX. 10 WATTS - 10FT MAX.	2X100W 5 WATTS 2 X 20FT MAX. 10 WATTS - 2 X 10FT MAX.	3X100W 5 WATTS 3 X 20FT MAX. 10 WATTS - 3 X 10FT MAX.	4X100W 5 WATTS 4 X 20FT MAX. 10 WATTS - 4 X 10FT MAX.
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 6.48" X 2.18"	14" X 10" X 3"	17" X 10" X 3"	17" X 10" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-100W-24VDC-2XK-IW	NA	NA	NA
DMX DYNAMIC/TUNABLE WHITE DIMMING & CONTROLS				
TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	•	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

IN WALL MOUNTING OPTIONS
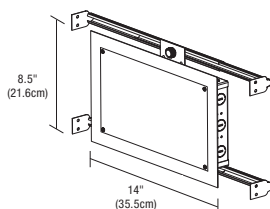
8.5" (21.6cm)

14" (35.5cm)

8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-100W-24VDC-2XK-IW

PROJECT	FIXTURE TYPE	DATE

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, LUTRON ECOSYSTEM

PURE EDGE LIGHTING

Dynamic/Tunable White uses one or two power supplies, dependent on the controller or dimmer(s) used. Lutron Hi-Lume® can be used in both single or dual power formats, dependent on the controller or dimmer(s).

	LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†		
ORDERING CODES	L3D0-96W24V-U	2-WIRE ECOSYSTEM LTEA4U1UKL-CV240	3-WIRE ECOSYSTEM L3DA4U1UKL-CV240
SPECIFICATIONS			
MAXIMUM LOAD	96W	5W-40W	5W-40W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	10.5" X 5.5" X 2"	4" X 4.89" X 2.62"	4" X 4.89" X 2.62"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
DIMMING AND CONTROLS			
RADIO RA2	•	•	•
HOMEWORKS QS	•	•	•
PHPM-3F-120	•	•	•
PHPM-3F-DV	•	•	•
BCI-0-10	•	•	•

*Tunable White Color Temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-Lume® Power Supplies.
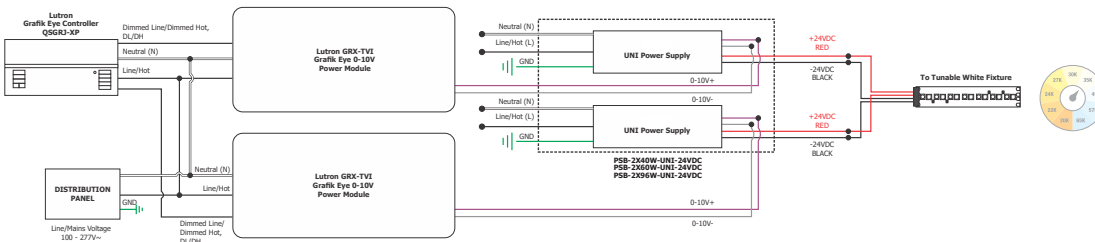
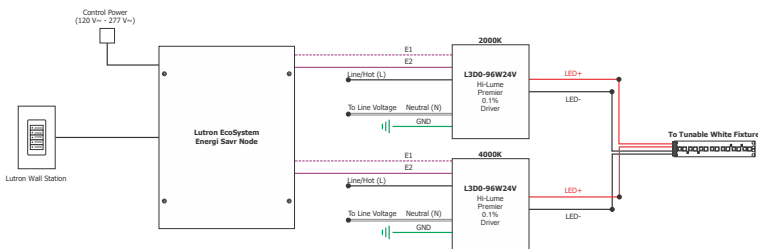**WIRING DIAGRAM:** DMX Control with Lutron Grafik Eye Control Unit
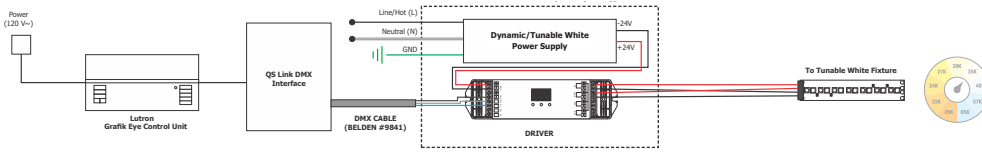
WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit
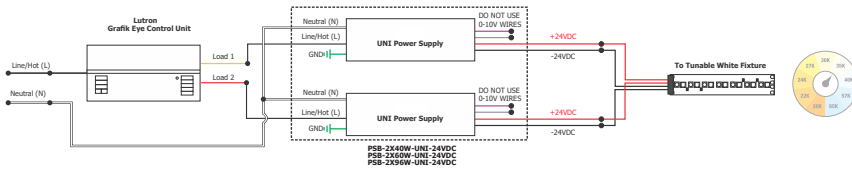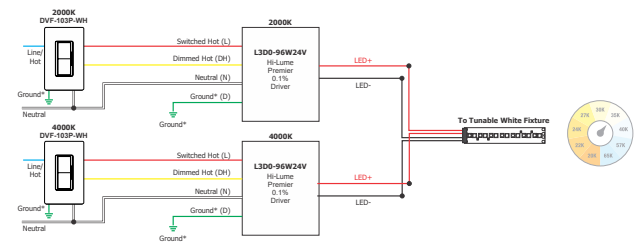

WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller

WIRING DIAGRAM: 2-Wire EcoSystem Panel

WIRING DIAGRAM: 3-Wire EcoSystem Wall Box

PROJECT		FIXTURE TYPE		DATE	

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14

DYNAMIC/TUNABLE WHITE WET LOCATION POWER SUPPLIES
WITH DMX FOR CIRRUS, FLEX NEON AND SOFT STRIP

DESCRIPTION

Our Surface Mount, exterior-rated LED Power Supply utilizes drivers for powering 24VDC constant voltage products. This product is the ideal Power Supply for all Dynamic Color Changing, damp or wet LED lighting solutions. Our constant voltage LED Power Supply for outdoor environments are designed to provide regulated voltage through the DMX driver to the LED module. Designed for outdoor Cirrus, Soft Strip and Flex Neon.

- Universal Input Voltage
- Ripple Free
- IP65 – For Both Indoor and Outdoor Use
- No Minimum Load Requirement
- Class 2, Class P
- Auto-Reset Protection for Short Circuit & Over-Temperature
- Over Load Protection – CC Mode

CONTROLS

- CDMX1-2XK - Single zone DMX touch controller
- CTP - Multiple zone DMX touch controller

REQUIRED COMPONENTS SOLD SEPARATELY

POWER INPUT

UNIVERSAL Input voltage ranging from 120 to 277VAC

DIMENSIONS

PSB-100W-24VDC-2XK-W
PSB-2X100W-24VDC-2XK-W
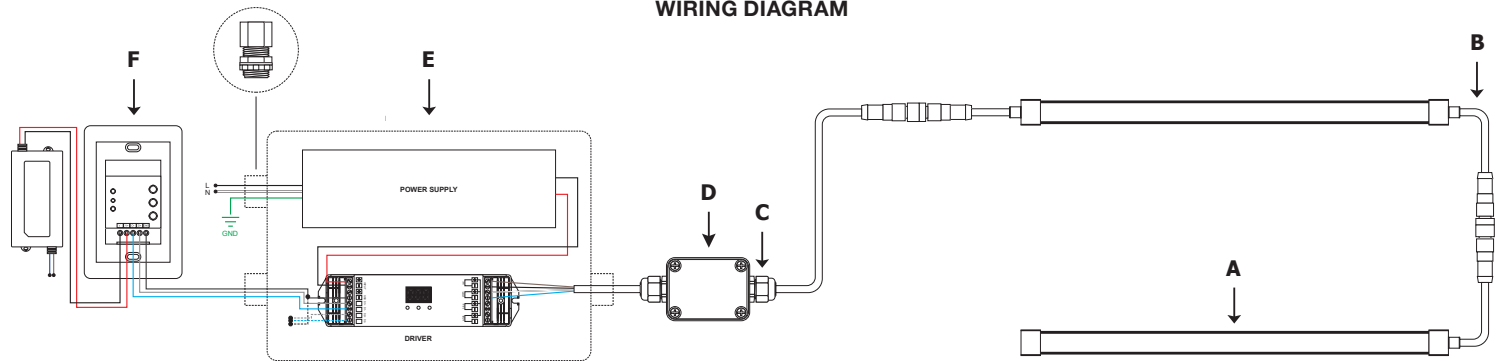Length: 11.8"
Width: 9.1"
Height: 3.4"
Weight: 2.26lbs

LABELS

Assembled in America, Class P, Class 2, IP65, 120-277V, Dimmable, RoHS Compliant, 24VD

Product		Wattage		Voltage		Type		Option
PSB	–	**100W**	–	**24VDC**	–	**2XK**	–	**W**
PSB Power Supply		**100W** 100 Watts **2X100W** 2x100 Watts		**24VDC** 24 Volts		**2XK** Tunable White		**W** Wet Location

---

WIRING DIAGRAM

A. OUTDOOR 24VDC FIXTURE OR FLEX NEON

Wet location Cirrus, Flex Neon or soft strip. Please refer to fixture ordering code for incremental lengths. Cirrus, Flex Neon and soft strip are not field cuttable or submersible.

B. POWER CABLE CONNECTOR

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections.

C. POWER CONNECTOR

Sold Separately for Cirrus, Flex Neon and wet location soft strip.
*Included with Wet Location LED Soft Strips - comes connected to each end of the LED Soft Strip sealed in water-resistant silicone.

D. OUTDOOR CONNECTION BOX

Wet-rated low voltage Splice Box with connectors.

E. OUTDOOR ENCLOSURE FOR POWER SUPPLY AND DMX DRIVER

Outdoor-rated Power Supplies are required for use with a Outdoor LED Soft Strip and fixtures.

F. CONTROLLER (SOLD SEPARATELY)

CDMX1-2XK or CTP

| PROJECT		FIXTURE TYPE		DATE	

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15

LED STRIP TM30 DATA
24VDC, STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

PURE EDGE LIGHTING

REV 03.08.21

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

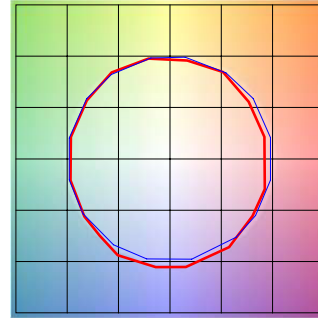### 2200K | Rf: 90.5 | Rg: 99.9
Color Vector Graphic
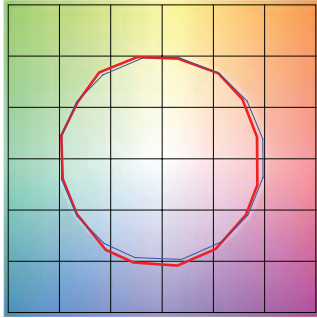
HUE BIN	Rf	CHROMA	HUE
1	88.3	-5.2%	1.0%
2	90.1	-3.6%	3.7%
3	87.5	-0.5%	5.6%
4	93.9	-1.2%	1.3%
5	94.7	0.7%	2.1%
6	93.7	2.6%	0.7%
7	93.5	-1.5%	-2.2%
8	97.8	-0.4%	-0.2%
9	93.7	-1.5%	2.4%
10	90.8	-0.8%	4.9%
11	89.3	3.7%	5.4%
12	90.2	4.6%	1.0%
13	89.0	4.4%	-9.7%
14	75.4	0.6%	-15.1%
15	90.7	-1.7%	-5.0%
16	84.2	-4.4%	-9.1%

2400K | Rf: 90.2 | Rg: 99.3
Color Vector Graphic

HUE BIN	Rf	CHROMA	HUE
1	89.0	-4.8%	1.1%
2	90.4	-3.7%	3.2%
3	88.1	-0.7%	5.2%
4	93.0	-2.1%	0.9%
5	94.5	-0.1%	2.0%
6	94.7	1.7%	0.6%
7	93.7	-1.9%	-1.5%
8	96.8	-1.2%	0.2%
9	91.9	-1.8%	3.7%
10	88.8	-0.9%	6.1%
11	87.5	3.8%	7.1%
12	89.6	4.3%	0.3%
13	88.1	4.2%	-9.1%
14	82.5	2.8%	-10.6%
15	91.4	-2.1%	-4.2%
16	84.0	-3.6%	-9.9%

2700K | Rf: 89.5 | Rg: 98.3
Color Vector Graphic
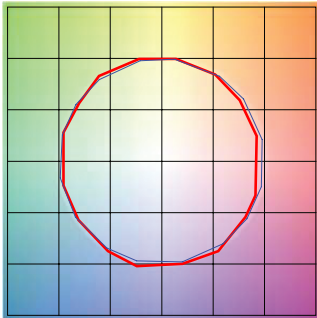
HUE BIN	Rf	CHROMA	HUE
1	88.6	-5.2%	0.9%
2	90.3	-3.6%	2.9%
3	88.4	-1.5%	5.0%
4	91.9	-2.5%	1.4%
5	93.5	-0.9%	2.3%
6	95.7	0.9%	-0.4%
7	91.1	-3.7%	-0.5%
8	95.8	-2.0%	0.4%
9	90.5	-2.6%	4.5%
10	84.9	-1.1%	8.7%
11	85.0	2.3%	9.8%
12	88.1	5.5%	1.5%
13	90.9	2.9%	-5.2%
14	86.2	4.3%	-8.9%
15	90.7	-2.4%	-3.6%
16	83.0	-2.7%	-11.3%

3000K | Rf: 88.7 | Rg: 98.2
Color Vector Graphic
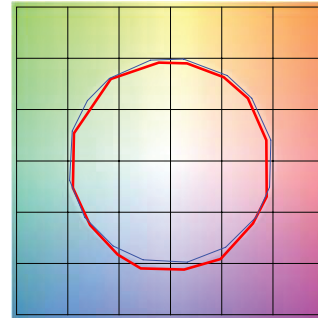
HUE BIN	Rf	CHROMA	HUE
1	88.3	-5.2%	0.8%
2	90.2	-3.7%	2.7%
3	88.3	-1.6%	4.9%
4	92.2	-2.0%	1.8%
5	91.0	-3.5%	1.8%
6	95.8	0.4%	-0.4%
7	90.2	-4.4%	-0.0%
8	94.8	-2.6%	0.8%
9	89.2	-2.9%	6.0%
10	81.4	-1.5%	9.7%
11	82.9	2.3%	10.5%
12	88.3	6.7%	1.9%
13	91.9	2.8%	-4.0%
14	86.3	4.9%	-8.3%
15	87.1	-1.2%	-6.1%
16	83.2	-1.7%	-11.6%

3500K | Rf: 88.1 | Rg: 97.1
Color Vector Graphic
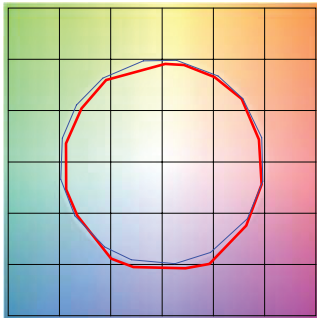
HUE BIN	Rf	CHROMA	HUE
1	87.8	-5.2%	1.0%
2	90.8	-3.3%	2.3%
3	89.8	-1.6%	3.9%
4	91.0	-2.7%	0.9%
5	90.0	-5.4%	0.7%
6	95.6	-0.9%	-0.4%
7	90.0	-5.3%	1.4%
8	91.8	-3.6%	3.0%
9	87.1	-2.9%	7.3%
10	80.1	-1.3%	12.2%
11	81.8	4.1%	10.5%
12	88.2	5.1%	2.3%
13	92.4	2.1%	-3.8%
14	86.6	5.0%	-7.9%
15	86.2	-0.7%	-6.8%
16	84.5	-2.1%	-7.0%

5700K | Rf: 87.6 | Rg: 98.0
Color Vector Graphic
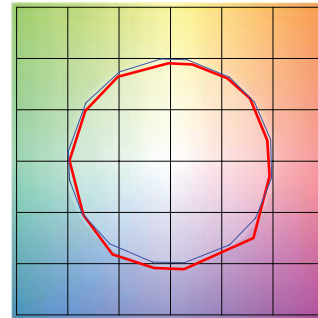
HUE BIN	Rf	CHROMA	HUE
1	87.9	-3.9%	1.5%
2	92.3	-1.7%	2.7%
3	91.0	-1.2%	2.4%
4	91.5	-1.2%	1.6%
5	86.2	-5.9%	-0.4%
6	93.5	-3.2%	-0.2%
7	93.1	-3.8%	0.6%
8	85.9	-4.6%	5.9%
9	83.6	-4.0%	12.7%
10	75.8	-0.6%	13.6%
11	80.2	4.3%	10.4%
12	83.4	3.4%	1.8%
13	90.8	5.0%	-2.0%
14	91.8	1.3%	-3.3%
15	79.4	8.6%	-12.7%
16	93.4	-2.7%	-0.2%

PROJECT		FIXTURE TYPE		DATE	

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16

LED STRIP TM30 DATA
24VDC, STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

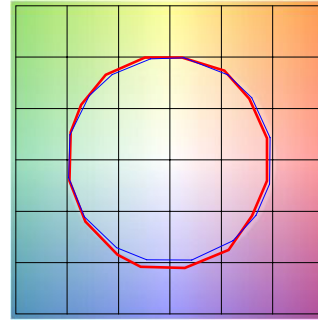**2700D | Rf: 90.7 | Rg: 101.1**
Color Vector Graphic
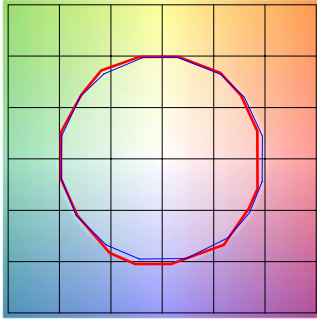
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	90.9	-4.1%	1.1%
2	91.8	-2.2%	3.2%
3	89.0	0.2%	5.0%
4	92.9	-1.1%	0.8%
5	93.9	1.1%	1.7%
6	93.3	3.3%	0.0%
7	93.1	-0.5%	-1.9%
8	97.2	-0.3%	-0.9%
9	93.4	-1.0%	3.2%
10	89.9	-0.1%	5.6%
11	87.0	4.7%	7.2%
12	89.2	5.8%	-0.2%
13	89.1	3.5%	-6.7%
14	86.3	4.1%	-9.2%
15	91.4	-2.0%	-3.6%
16	84.7	-2.1%	-10.3%

Test Reference

3000D | Rf: 90.6 | Rg: 101.1
Color Vector Graphic

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	91.5	-3.5%	1.3%
2	92.2	-1.8%	3.0%
3	89.3	0.5%	4.8%
4	92.7	-1.1%	0.6%
5	93.3	0.5%	1.4%
6	93.8	2.7%	-0.8%
7	91.2	-2.1%	-0.2%
8	97.0	-0.5%	-0.7%
9	92.5	-0.7%	3.8%
10	88.3	0.9%	7.1%
11	87.5	3.9%	7.6%
12	88.2	6.2%	-0.2%
13	89.9	3.4%	-6.0%
14	86.9	4.4%	-8.5%
15	91.9	-1.9%	-2.9%
16	84.7	-1.3%	-10.6%

Test Reference

2000K ONLY (2K4K) | Rf: 90.6 | Rg: 98.5
Color Vector Graphic
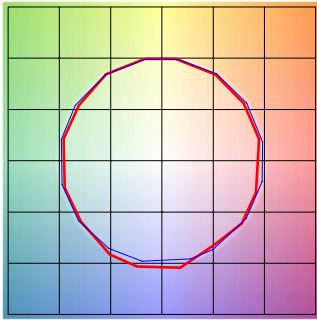
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	87.7	-5.5%	1.2%
2	88.7	-3.9%	4.2%
3	90.5	-1.5%	4.3%
4	95.0	-1.7%	0.8%
5	95.2	-0.2%	2.1%
6	94.2	1.6%	1.9%
7	95.9	-0.8%	-2.2%
8	95.5	-1.7%	1.3%
9	93.8	-1.4	2.6%
10	91.9	-0.7%	4.2%
11	91.3	3.6%	3.7%
12	91.2	4.2%	-1.0%
13	86.6	3.8%	-12.7%
14	67.2	-3.0%	-16.3%
15	84.9	-3.3%	-9.4%
16	84.2	-5.7%	-7.5%

Test Reference

3000K (2K4K) | Rf: 90.5 | Rg: 100.7
Color Vector Graphic
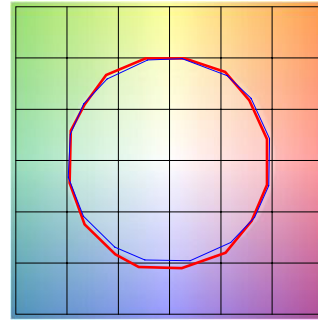
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	91.5	-3.5%	1.2%
2	92.4	-1.8%	2.7%
3	89.8	0.3%	4.5%
4	92.4	-1.7%	0.4%
5	93.3	-0.1%	1.4%
6	94.5	2.1%	-0.6%
7	91.0	-2.5%	0.3%
8	96.9	-0.8%	-0.2%
9	91.6	-0.9%	4.6%
10	86.7	0.7%	7.8%
11	86.3	3.8%	8.5%
12	88.3	6.1%	0.6%
13	90.9	3.1%	-5.2%
14	87.3	4.7%	-7.9%
15	92.1	-1.9%	-2.5%
16	84.5	-0.9%	-10.9%

Test Reference

4000K ONLY (2K4K) | Rf: 86.4 | Rg: 96.1
Color Vector Graphic
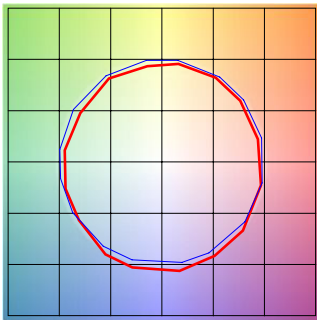
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	86.5	-5.5%	1.3%
2	90.4	-3.0%	2.3%
3	89.8	-2.1%	3.6%
4	89.1	-3.4%	0.4%
5	88.5	-5.9%	0.1%
6	93.6	-3.0%	-0.4%
7	88.9	-6.2%	1.7%
8	87.3	-5.0%	4.9%
9	82.4	-3.6%	11.3%
10	77.4	-1.8%	12.7%
11	79.8	4.9%	11.4%
12	88.7	4.4%	2.7%
13	88.7	4.0%	-5.1%
14	91.2	2.2%	-3.8%
15	82.7	-0.1%	-9.2%
16	82.8	-2.2%	-7.6%

Test Reference

PROJECT		FIXTURE TYPE		DATE	

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