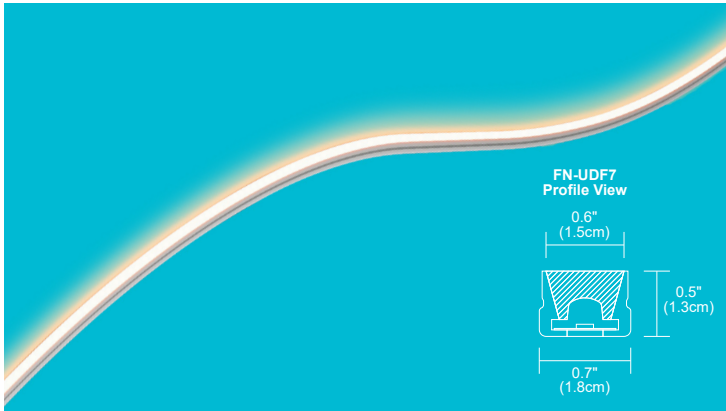# FLEX NEON UDF7 BENDS UP/DOWN 0.7" FLAT LENS
24VDC INDOOR / OUTDOOR 2W | 5W STATIC WHITE, WARM DIM & TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE | EDGE
LIGHTING

**FN-UDF7
Profile View**

0.6"
(1.5cm)

0.5"
(1.3cm)

0.7"
(1.8cm)

DESCRIPTION

UDF7 Flexible Neon Bends Up or Down with a 0.7" wide flat lens, offering superior color rendering while creating uniform illumination without pixelation. May be Surface Mounted or Flush Mounted. Choose from 9 different color temperatures ranging from 2200K to 3500K, including two Warm Dim options of 2700K **(27D)** or 3000K **(30D)** and Tunable White **(2K6K)**. Tunable White technology grants independent control for adjusting LED color temperature and brightness. 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)** wet location is an IP65 rated fixture featuring watertight barrel connections. Seamless **(S)** (for continuous seamless runs), is rated for Indoor Damp Location ONLY and uses class 2 bare wire connectors. Patent Pending.

SPECIFICATIONS
Flat top view 0.6" x 0.5"

INPUT	24VDC with 5" leads
POWER SUPPLIES	Remote 24VDC power supply required
POWER CONSUMPTION	2.5 or 4.4 watts per foot
INCREMENTS	2.4" or 3"
MAX LENGTH	40ft at 2 watts, 20ft at 5 watts
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

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS
(SOLD SEPARATELY)

- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)** with corresponding dimmer
- 0-10V
- Lutron Hi-Lume®
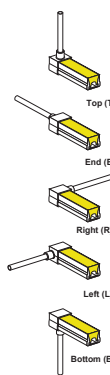- Color Changing **(DMX)**
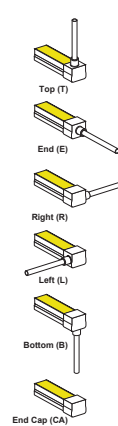
LUMEN PERFORMANCE AT 3000K 5W PER FOOT
(SEE COMPLETE CHART PG 2)

LUMEN OUTPUT	351 lm/ft	EFFICIENCY	80 lm/watt
CRI	92+	R9	76
BEAM ANGLE	120°	BEAM TOLERANCE	+/- 30CCT

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)

End

Bottom (B)

W

Wet Location Outdoor
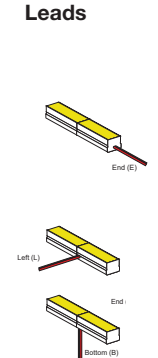
S

Seamless Bare Wire Indoor suitable for Indoor Damp Locations

0.6"
(1.5cm)

0.5"
(1.3cm)

LED STRIP

0.7"
(1.8cm)

Bends Up or Down

ORDERING

System	Viewing Angle Model Shape	Wattage	Length in Inches	Color Temperature		5" Input Wire Feed	5" Output Wire	Environment
FN	**UDF7**	**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	**UDF7** Up or Down Bend Flat top view 0.6" x 0.5"	**2W** 2.5 watts per foot **5W** 5 watts per foot	6-480 (40ft max) 6-240 (20ft max) †Static & Tunable White: 2.4" Increments Warm Dim: 3" increments	**22K** 2200K Amber White **24K** 2400K Very Warm White **27K** 2700K Incandescent White **27D*** 2700K Warm Dim, Dims to 1800K **30K** 3000K Warm White	**30D*** 3000K Warm Dim, Dims to 2000K **35K** 3500K Neutral White **2K6K*** Tunable White 2000K-6500K *5 Watt 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 *Not available for Seamless indoor	**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

PROJECT		FIXTURE TYPE		DATE

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1

FLEX NEON UDF7 BENDS UP/DOWN 0.7" FLAT LENS
24VDC INDOOR / OUTDOOR 2W | 5W STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 05.10.21

Lamp Data: Lamp Data for Flex Neon UDF7

	FN-UDF7												
WATTS PER FOOT	2W							5W					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	27D	30K	30D	35K
LUMENS PER FOOT (lm/ft)	164	176	184	191	229	238	244	292	321	321	466	351	466	401
LUMENS PER WATT (lm/w)	66	70	74	76	92	95	98	66	73	76	97	80	97	91
CRI	92	92	93	92	92	92	92	92	92	93	93	92	93	92

	2K6K*							
WATTS PER FOOT	5w							
COLOR TEMPERATURE	20K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	305	324	332	339	352	364	357	356
LUMENS PER WATT (lm/w)	68	63	75	76	77	78	80	81
CRI	92	92	93	93	92	84	84	85

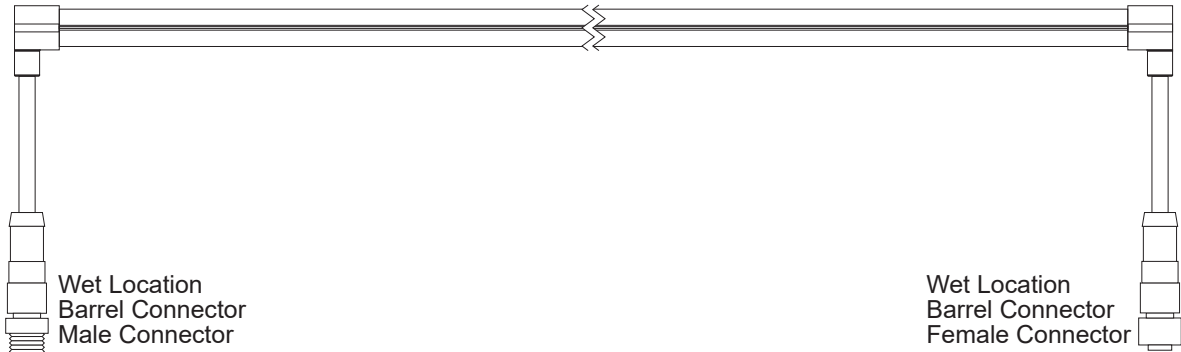*Tunable White has a variance in color temperature due to the curvature of the material.

Drawings: Dimensions for the Flex Neon UDF7

Seamless Connectors are ideal for indoor projects that have multiple segments of Flex Neon but need to look like a continuous run/fixture. Are assembled in the factory – fixtures ready to use.

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

Bottom (B)

Seamless Connection (Indoor Only)

Bare Wire Indoor Damp Location

Bare Wire Indoor Damp Location

Seamless Circle

Bottom (B)

Bottom (B)
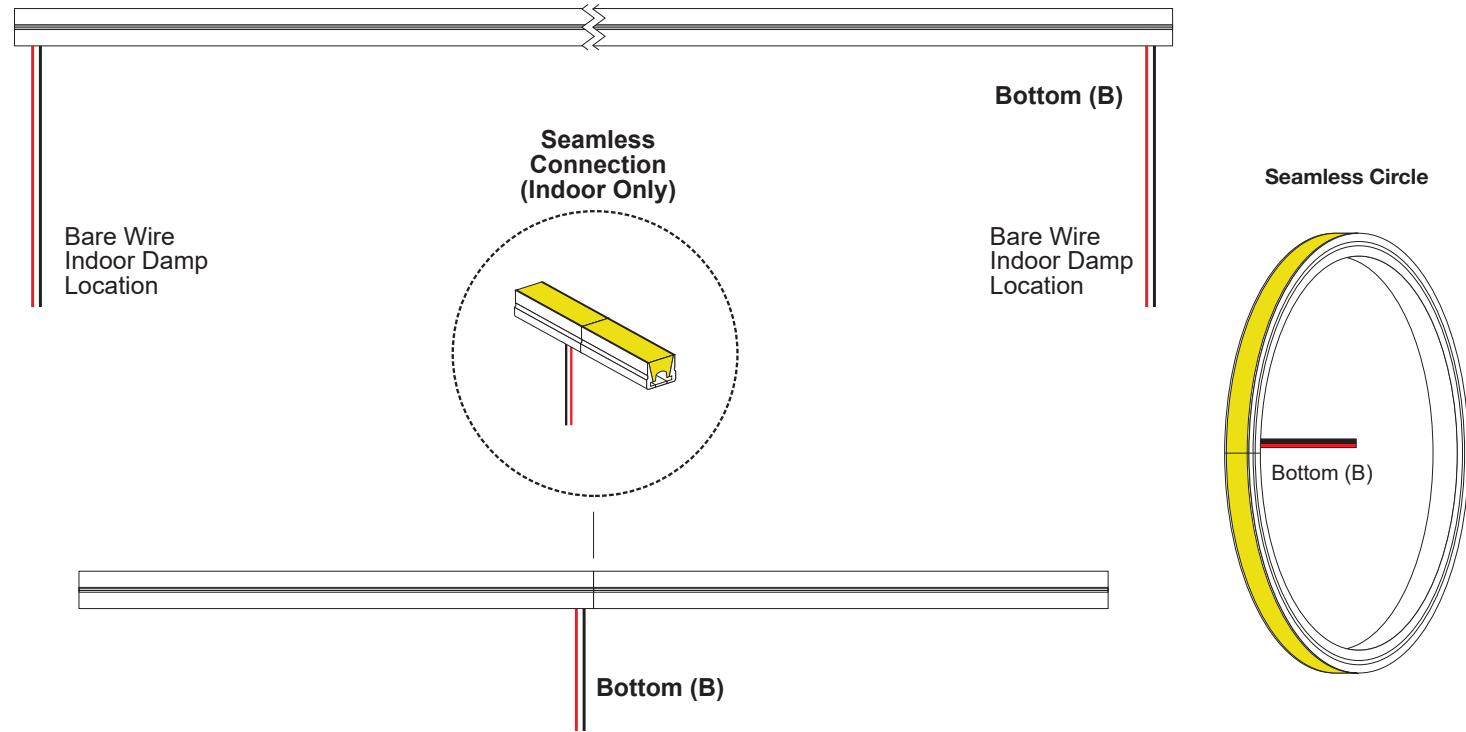
Wet (W)
Outdoor Location with End Cap

Wet Location Barrel Connector Male Connector

Wet Location Barrel Connector Female Connector

PROJECT		FIXTURE TYPE		DATE	

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2

Drawings: Exploded View for Flexible Aluminum Channel with 1RE J-box

1RE-JBOX 2.5" Rectangle Junction Box with 1RE Cover

Drywall

Interior or Exterior Channel

Flex Neon Channel

1RE-JBOX 2.5" Rectangle Junction Box with 1RE Cover

Interior/Exterior Channel (EXT.7)

Flex Neon Channel

Locking Clip

Mounting Clip

Interior/Exterior Channel

Locking Clip

Mounting Clip

1RE-JBOX 2.5" Rectangle Junction Box with 1RE Cover

Interior/Exterior Channel (EXT.7)

Locking Clip

Mounting Clip

Flex Neon Channel

Interior/Exterior Channel

Locking Clip

Mounting Clip

PROJECT		FIXTURE TYPE		DATE	

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3

FLEX NEON UDF7 BENDS UP/DOWN 0.7" FLAT LENS
24VDC INDOOR / OUTDOOR 2W | 5W STATIC WHITE, WARM DIM & TUNABLE WHITE

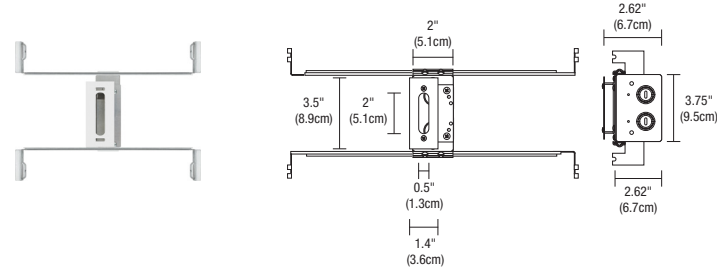**LENGTH CHART** Actual lengths for Flex Neon UDF7

LENGTH CHART - STATIC WHITE

Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length
3	3.15	72	72.75	142	142.35	212	211.95	281	281.55	348	348.75	416	415.95
5	5.55	75	75.15	144	144.75	214	214.35	284	283.95	351	351.15	418	418.35
8	7.95	77	77.55	147	147.15	216	216.75	286	286.35	353	353.55	420	420.75
10	10.35	80	79.95	149	149.55	219	219.15	288	288.75	356	355.95	423	423.15
12	12.75	82	82.35	152	151.95	221	221.55	291	291.15	358	358.35	425	425.55
15	15.15	84	84.75	154	154.35	224	223.95	293	293.55	360	360.75	428	427.95
17	17.55	87	87.15	156	156.75	226	226.35	296	295.95	363	363.15	430	430.35
20	19.95	89	89.55	159	159.15	228	228.75	298	298.35	365	365.55	432	432.75
22	22.35	92	91.95	161	161.55	231	231.15	300	300.75	368	367.95	435	435.15
24	24.75	94	94.35	164	163.95	233	233.55	303	303.15	370	370.35	437	437.55
27	27.15	96	96.75	166	166.35	236	235.95	305	305.55	372	372.75	440	439.95
29	29.55	99	99.15	168	168.75	238	238.35	308	307.95	375	375.15	442	442.35
32	31.95	101	101.55	171	171.15	240	240.75	310	310.35	377	377.55	444	444.75
34	34.35	104	103.95	173	173.55	243	243.15	312	312.75	380	379.95	447	447.15
36	36.75	106	106.35	176	175.95	245	245.55	315	315.15	382	382.35	449	449.55
39	39.15	108	108.75	178	178.35	248	247.95	317	317.55	384	384.75	452	451.95
41	41.55	111	111.15	180	180.75	250	250.35	320	319.95	387	387.15	454	454.35
44	43.95	113	113.55	183	183.15	252	252.75	322	322.35	389	389.55	456	456.75
46	46.35	116	115.95	185	185.55	255	255.15	324	324.75	392	391.95	459	459.15
48	48.75	118	118.35	188	187.95	257	257.55	327	327.15	394	394.35	461	461.55
51	51.15	120	120.75	190	190.35	260	259.95	329	329.55	396	396.75	464	463.95
53	53.55	123	123.15	192	192.75	262	262.35	332	331.95	399	399.15	466	466.35
56	55.95	125	125.55	195	195.15	264	264.75	334	334.35	401	401.55	468	468.75
58	58.35	128	127.95	197	197.55	267	267.15	336	336.75	404	403.95	471	471.15
60	60.75	130	130.35	200	199.95	269	269.55	339	339.15	406	406.35	473	473.55
63	63.15	132	132.75	202	202.35	272	271.95	341	341.55	408	408.75	476	475.95
65	65.55	135	135.15	204	204.75	274	274.35	344	343.95	411	411.15	478	478.35
68	67.95	137	137.55	207	207.15	276	276.75	346	346.35	413	413.55	480	480.75
70	70.35	140	139.95	209	209.55	279	279.15						

LENGTH CHART - WARM DIM

Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length
3	3.75	75	75.75	138	138.75	207	207.75	276	276.75	345	345.75	414	414.75
6	6.75	78	78.75	141	141.75	210	210.75	279	279.75	348	348.75	417	417.75
9	9.75	81	81.75	144	144.75	213	213.75	282	282.75	351	351.75	420	420.75
12	12.75	68	67.95	147	147.75	216	216.75	285	285.75	354	354.75	423	423.75
15	15.75	70	70.35	150	150.75	219	219.75	288	288.75	357	357.75	426	426.75
18	18.75	84	84.75	153	153.75	222	222.75	291	291.75	360	360.75	429	429.75
21	21.75	87	87.75	156	156.75	225	225.75	294	294.75	363	363.75	432	432.75
24	24.75	90	90.75	159	159.75	228	228.75	297	297.75	366	366.75	435	435.75
27	27.75	93	93.75	162	162.75	231	231.75	300	300.75	369	369.75	438	438.75
30	30.75	96	96.75	165	165.75	234	234.75	303	303.75	372	372.75	441	441.75
33	33.75	99	99.75	168	168.75	237	237.75	306	306.75	375	375.75	444	444.75
36	36.75	102	102.75	171	171.75	240	240.75	309	309.75	378	378.75	447	447.75
39	39.75	105	105.75	174	174.75	243	243.75	312	312.75	381	381.75	450	450.75
42	42.75	108	108.75	177	177.75	246	246.75	315	315.75	384	384.75	453	453.75
45	45.75	111	111.75	180	180.75	249	249.75	318	318.75	387	387.75	456	456.75
48	48.75	114	114.75	183	183.75	252	252.75	321	321.75	390	390.75	459	459.75
51	51.75	117	117.75	186	186.75	255	255.75	324	324.75	393	393.75	462	462.75
54	54.75	120	120.75	189	189.75	258	258.75	327	327.75	396	396.75	465	465.75
57	57.75	123	123.75	192	192.75	261	261.75	330	330.75	399	399.75	468	468.75
60	60.75	126	126.75	195	195.75	264	264.75	333	333.75	402	402.75	471	471.75
63	63.75	129	129.75	198	198.75	267	267.75	336	336.75	405	405.75	474	474.75
66	66.75	132	132.75	201	201.75	270	270.75	339	339.75	408	408.75	477	477.75
69	69.75	135	135.75	204	204.75	273	273.75	342	342.75	411	411.75	480	480.75
72	72.75												

PROJECT		FIXTURE TYPE		DATE	

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4

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.

*Only to be used with Seamless Indoor Bottom Lead-In and Out

System	Canopy	Product
C	**1RE**	**JBOX**
C Channel	**1RE** 1" Rectangle	**JBOX** Junction Box

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.
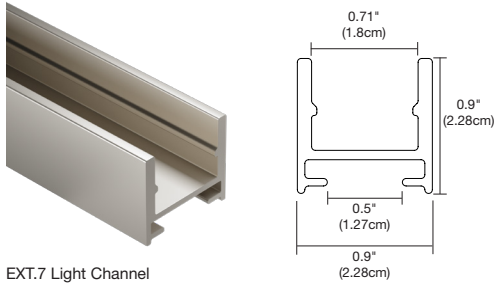
EXT.7 Light Channel

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	

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 Channel up to 75°. LCS.6-MCL-90 mounts Channel at a 90° angle.
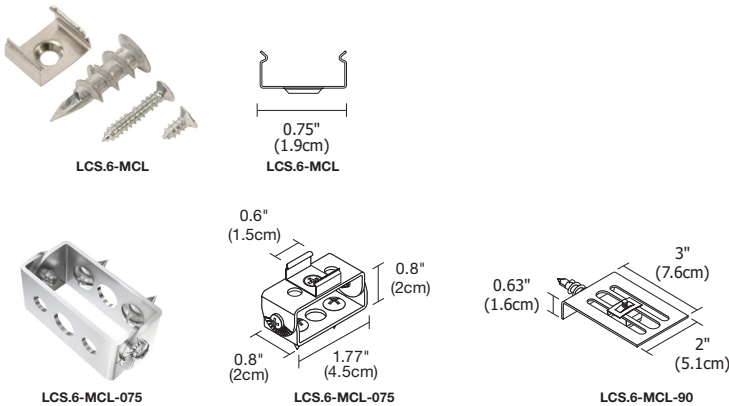
System	Product	Type
LCS.6	**MCL**	
LCS.6 Flex Neon Left Right 0.6"	**MCL** Mounting Clip	Standard, Leave Blank
		075 Adjust 0-75°
		90 Mounts at 90°

LCS.6-MCL

LCS.6-MCL

LCS.6-MCL-075

LCS.6-MCL-075

LCS.6-MCL-90

PROJECT		FIXTURE TYPE		DATE	

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PURE EDGE
LIGHTING

REV 05.10.21

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.
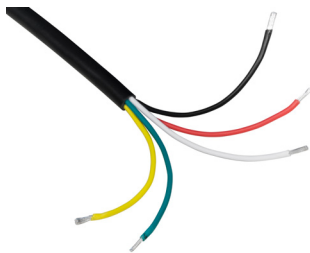
Product	Gauge	Cable
OC	**14G**	**5C**
OC Outdoor Cable	**14G** 14 Gauge	**5C** 5 Conductor

WET LOCATION JUNCTION BOX
Wet-rated low voltage Splice Box with connectors.
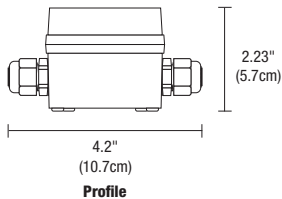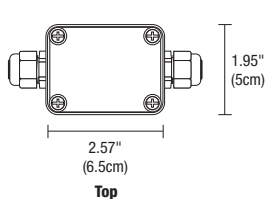
Product	Type	Option
2RE	**JBOX**	**W**
2RE 2" Rectangle	**JBOX** Junction Box	**W** Wet Location

1.95" (5cm)

2.23" (5.7cm)

2.57" (6.5cm)
Top

4.2" (10.7cm)
Profile

PROJECT		FIXTURE TYPE		DATE	

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6

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.
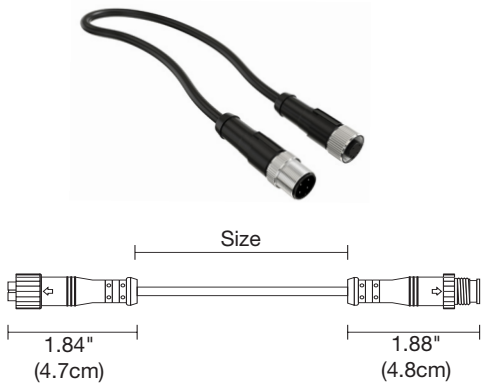
Product	Type	Size	Option
SS	**CFX**	**12IN**	**W**
SS Soft Strip and Flex Neon	**CFX** Flexible 4 Wire Connector	**12IN** 12" **96IN** 96"	**W** Wet Location

Size

1.84"
(4.7cm)

1.88"
(4.8cm)

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

PROJECT		FIXTURE TYPE		DATE	

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7

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

PURE EDGE LIGHTING

REV 05.10.21

UNI STATIC WHITE POWER SUPPLY WET LOCATION

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 IP67

Con-1-2CORD-O Cord conductors included

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

9.53" (24.2cm)

4.06" (10.3cm)

11" (27.9cm)

9.53" (24.2cm)

2.2" (5.6cm)
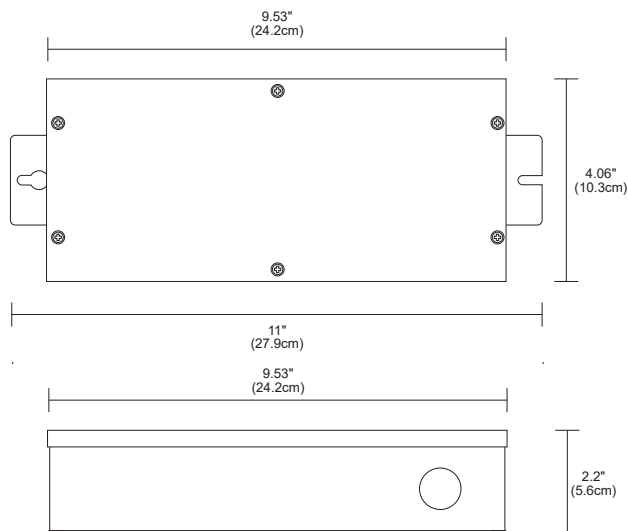
A: WET RATED OUTDOOR POWER SUPPLY ENCLOSURE
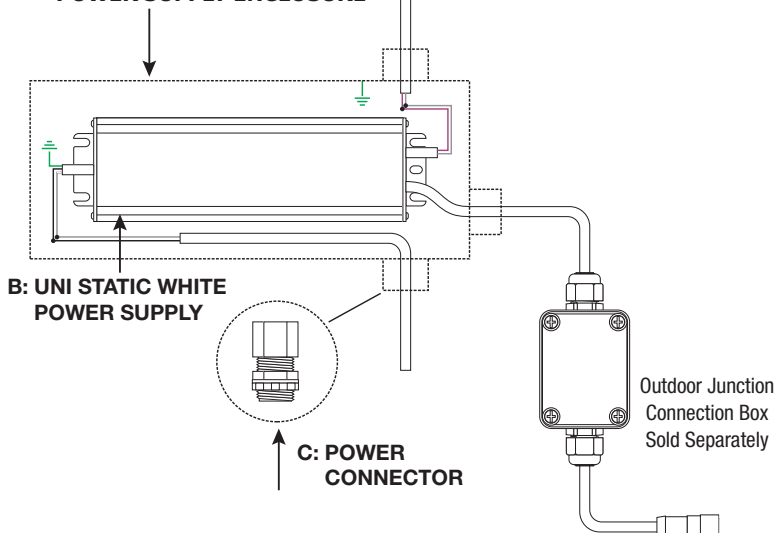
B: UNI STATIC WHITE POWER SUPPLY

C: POWER CONNECTOR

Outdoor Junction Connection Box Sold Separately

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
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. A and B come together in the above product.

B. UNI STATIC WHITE POWER SUPPLY
The product above is the power supply inside an aluminum enclosure. 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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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V FOR STATIC WHITE, WARM DIM

PURE EDGE LIGHTING

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
T-BAR MOUNTING	PSB-40W-UNI-24VDC-TB	PSB-60W-UNI-24VDC-TB	PSB-2X40W-UNI-24VDC-TB	PSB-2X60W-UNI-24VDC-TB
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
T-BAR MOUNTING	PSB-96W-UNI-24VDC-TB	PSB-2X96W-UNI-24VDC-TB	PSB-3X96W-UNI-24VDC-TB	PSB-4X96W-UNI-24VDC-TB
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 Supplies 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.

*Tunable White requires Dual power Supplies and Controls. For single control use with our proprietary Tunable White Controller CDMX-1, refer to Universal Tunable White Power Supply Specifications.
Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.

T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

Ordering Codes : PSB-40W-UNI-24VDC-TB, PSB-60W-UNI-24VDC-TB, PSB-96W-UNI-24VDC-TB
PSB-2X40W-UNI-24VDC-TB, PSB-2X60W-UNI-24VDC-TB, PSB-2X96W-UNI-24VDC-TB, PSB-3X96W-UNI-24VDC-TB, PSB-4X96W-UNI-24VDC-TB

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": PSB-40W-UNI-24VDC-IW, PSB-60W-UNI-24VDC-IW, PSB-96W-UNI-24VDC-IW

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

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V FOR STATIC WHITE, WARM DIM

PURE EDGE
LIGHTING

WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

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
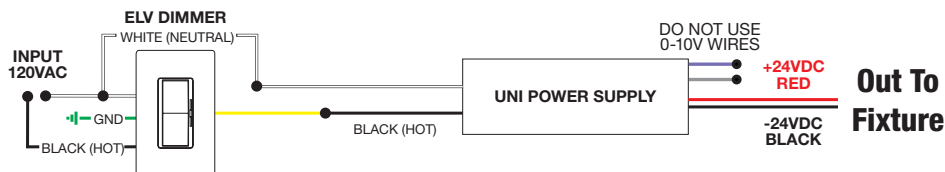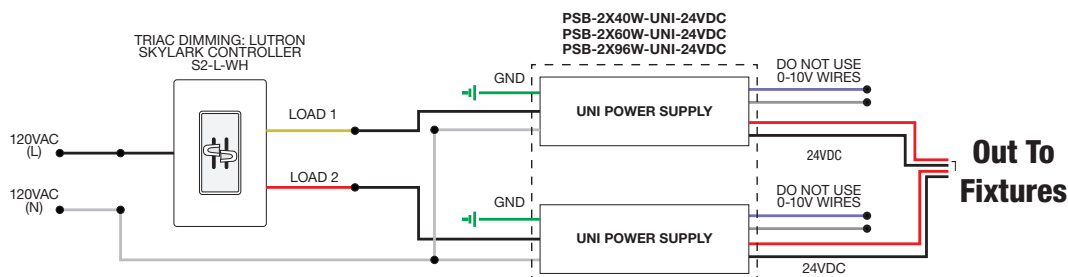

Application: 0-10V dimming for Static White

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
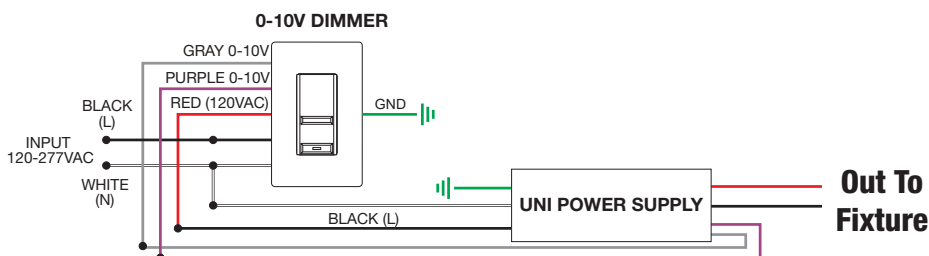
Application: Triac dimming for two power supplies, use for Static White

Dimming: Dimmable with Triac dimmer: Lutron: Skylark S2-L

PROJECT		FIXTURE TYPE		DATE	

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10

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, ELECTRONIC LOW VOLTAGE FOR STATIC WHITE, WARM DIM

	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
T-BAR MOUNTING	N/A	PSB-60W-ELV-24VDC-TB	PSB-2X60W-ELV-24VDC-TB	PSB-100W-ELV-24VDC-TB
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
T-BAR MOUNTING	PSB-2X100W-ELV-24VDC-TB	PSB-3X100W-ELV-24VDC-TB	PSB-4X100W-ELV-24VDC-TB
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. 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

**Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.
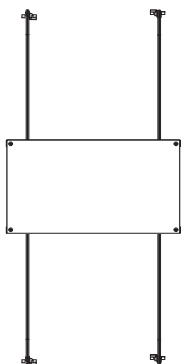
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

Ordering Codes : PSB-60W-ELV-24VDC-TB
PSB-100W-ELV-24VDC-TB
PSB-2X60W-ELV-24VDC-TB
PSB-2X100W-ELV-24VDC-TB
PSB-3X100W-ELV-24VDC-TB
PSB-4X100W-ELV-24VDC-TB
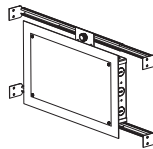
In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes 5.1" x 14.25": PSB-60W-ELV-24VDC-IW
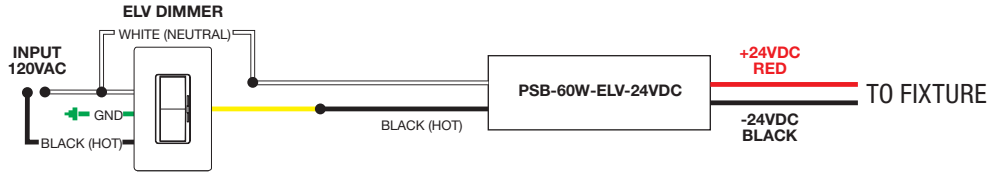PSB-100W-ELV-24VDC-IW

Ordering Codes 8.5" x 14.25": PSB-2X60W-ELV-24VDC-IW
PSB-2X100W-ELV-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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11

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)

BLACK (HOT)

PSB-60W-ELV-24VDC
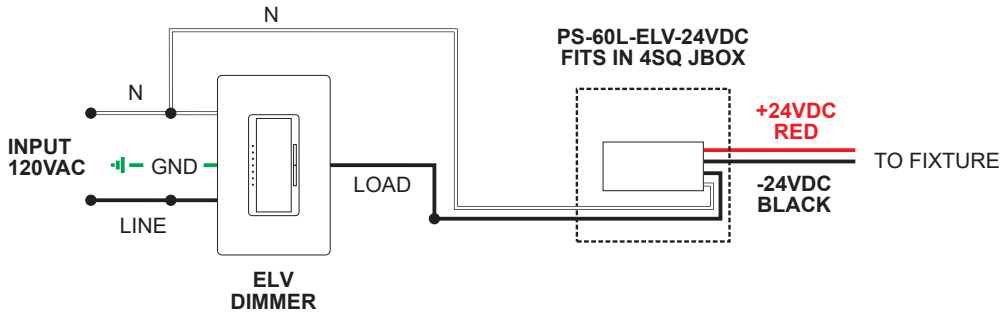
+24VDC RED

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 Static White

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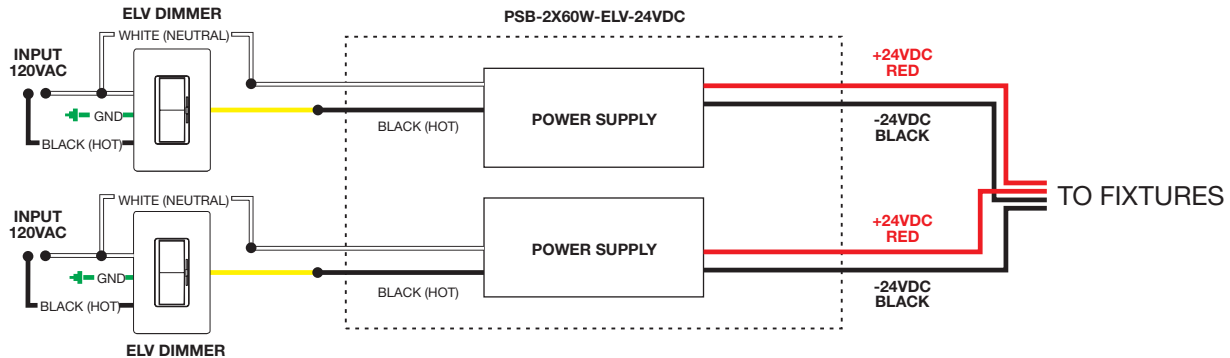
ELV DIMMER
WHITE (NEUTRAL)

INPUT 120VAC

GND
BLACK (HOT)

PSB-2X60W-ELV-24VDC

BLACK (HOT)

POWER SUPPLY

+24VDC RED

-24VDC BLACK

INPUT 120VAC

WHITE (NEUTRAL)

GND
BLACK (HOT)

ELV DIMMER

BLACK (HOT)

POWER SUPPLY

+24VDC RED

-24VDC BLACK

TO FIXTURES

PROJECT		FIXTURE TYPE		DATE	

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12

INDOOR CONSTANT VOLTAGE 0-10V REMOTE POWER SUPPLIES
24VDC, 0-10V FOR STATIC WHITE, WARM DIM

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

SPECIFICATIONS

MAXIMUM LOAD	25W	60W	96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	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"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
T-BAR MOUNTING	PSB-25W-010-24VDC-TB	PSB-60W-010-24VDC-TB	PSB-96W-010-24VDC-TB
IN-WALL MOUNTING	PSB-25W-010-24VDC-IW	PSB-60W-010-24VDC-IW	PSB-96W-010-24VDC-IW

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

ORDERING CODE	PSB-2X96W-010-24VDC	PSB-3X96W-010-24VDC	PSB-4X96W-010-24VDC

SPECIFICATION

MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
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
T-BAR MOUNTING	PSB-2X96W-010-24VDC-TB	PSB-3X96W-010-24VDC-TB	PSB-4X96W-010-24VDC-TB
IN-WALL MOUNTING	PSB-2X96W-010-24VDC-IW	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	•	•	•

- 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 > 90

**Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.
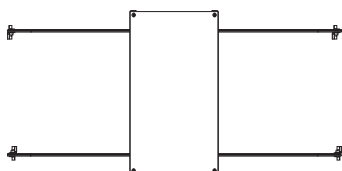
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors.
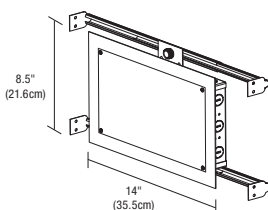
Ordering Codes:
PSB-25W-010-24VDC-TB,
PSB-60W-010-24VDC-TB,
PSB-96W-010-24VDC-TB,
PSB-2X96W-010-24VDC-TB
PSB-3X96W-010-24VDC-TB
PSB-4X96W-010-24VDC-TB

5.1" (13cm)
14.25" (36.2cm)
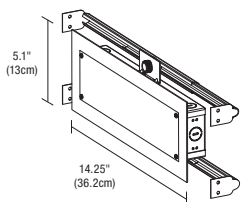
5.1" x 14.25" In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-25W-010-24VDC-IW, PSB-60W-010-24VDC-IW, PSB-96W-010-24VDC-IW

8.5" (21.6cm)
14" (35.5cm)

8.5" x 14" 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

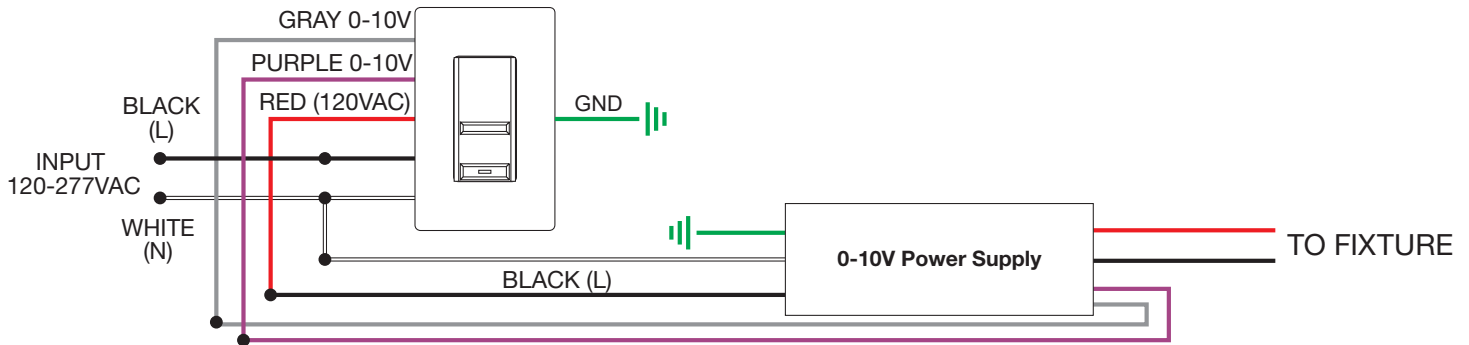| PROJECT		FIXTURE TYPE		DATE	

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SAMPLE WIRING DIAGRAMS 24VDC 010

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

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)

0-10V DIMMER

GRAY 0-10V
PURPLE 0-10V
BLACK (L)
RED (120VAC)
INPUT 120-277VAC
WHITE (N)
GND
BLACK (L)
0-10V Power Supply
TO FIXTURE

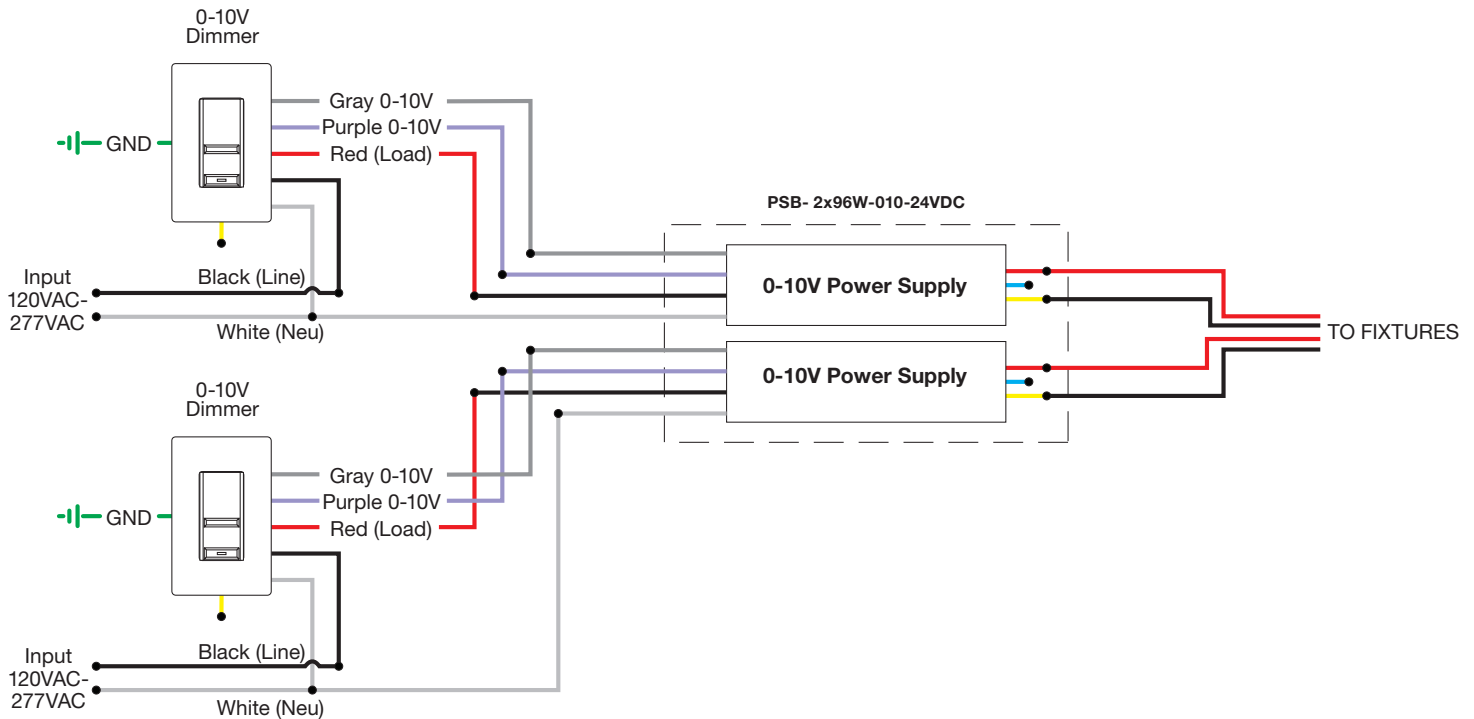**Application:** Dual 0-10V dimming for Static White

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)

0-10V Dimmer
GND
Gray 0-10V
Purple 0-10V
Red (Load)
Input 120VAC-277VAC
Black (Line)
White (Neu)
PSB- 2x96W-010-24VDC
0-10V Power Supply
0-10V Power Supply
TO FIXTURES
0-10V Dimmer
GND
Gray 0-10V
Purple 0-10V
Red (Load)
Input 120VAC-277VAC
Black (Line)
White (Neu)

PROJECT		FIXTURE TYPE		DATE	

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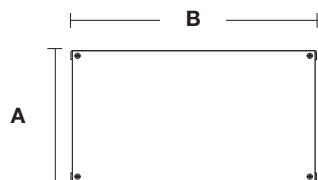
14

INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY
24VDC INDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE
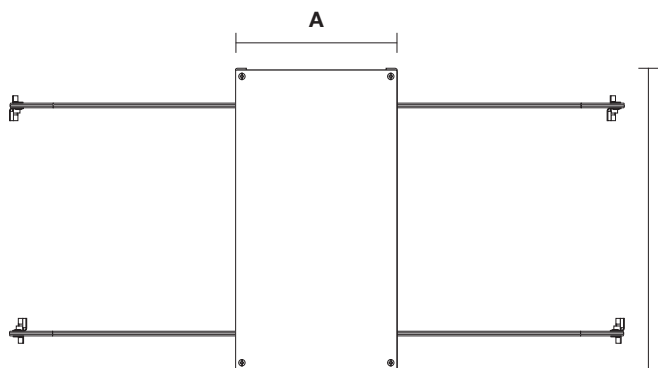
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE
LIGHTING

REV 05.10.21

PSB-96W-010-24VDC-2XK

TOP VIEW

SIDE VIEW

0.05"
(0.1cm)

2.18"
(5.5cm)

2"
(5.1cm)

PSB-96W-010-24VDC-2XK-TB
(T-BAR GRID CEILING)

STANDARD & T-BAR DIMENSIONS

	A	B
PSB-96W-010-24VDC-2XK	6.48"	12.15"
PSB-2X96W-010-24VDC-2XK	10"	14"
PSB-3X96W-010-24VDC-2XK	13"	17"
PSB-4X96W-010-24VDC-2XK	13"	17"

DESCRIPTION
Accepts input voltage in a range of 120 - 277VAC and outputs 24VDC power up to 96 watts. The low voltage output dims down to 1% when two additional wires are connected to a 0-10V dimmer. The enclosure provides a space inside for electrical connections. In-Wall Power Supply Kit includes power supply, box cover and stud hangers. T-Bar Mounting Kit includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors. Power Supply features short circuit, overload and over temperature protection.

APPLICATIONS
Indoor, Damp Location

MOUNTING
Surface mounted with conduit access

POWER INPUT
120-277VAC

POWER OUTPUT
Class 2; 24 volts DC 4A, up to 96 watts maximum

EFFICIENCY
90%

AMBIENT OPERATING TEMPERATURE
-25° C to 40° C

DIMMING
#1 Controls the intensity. #2 Controls the Color Temperature.
0-10V (dimmer needs to be capable to dim to 0% without ON/OFF switch)

DIMMING CURVE
Linear, Logarithmic 100% - 0% (HydraDrive)

COMPLIANCE
Made in the USA, UL, CE, Title 28, Plenum for use in Accordance with UL 2043. JA8 compliant when used with Pure Edge Tunable White Products.

Product	Wattage	Dimming	Voltage	Color Temperature	Options
PSB	**96W**	**010**	**24VDC**	**2XK**	STANDARD (Leave Blank)
PSB Power Supply with Enclosure Box with Tunable White 0-10V Controller	96W 96 Watts 2X96W 2x96 Watts 3X96W 3x96 Watts 4X96W 4x96 Watts	010 0-10 Volt Dimming	24VDC 24 Volt DC	2XK Tunable White	TB T-Bar Grid Ceiling IW* In-Wall Kit *96 watts only

PSB-96W-010-24VDC-2XK-IW

PSB-96W-010-24VDC-2XK-IW (IN WALL KIT)

IN-WALL DIMENSIONS

	A	B
PSB-96W-010-24VDC-2XK-IW	8.5"	14.25"

PROJECT		FIXTURE TYPE		DATE	

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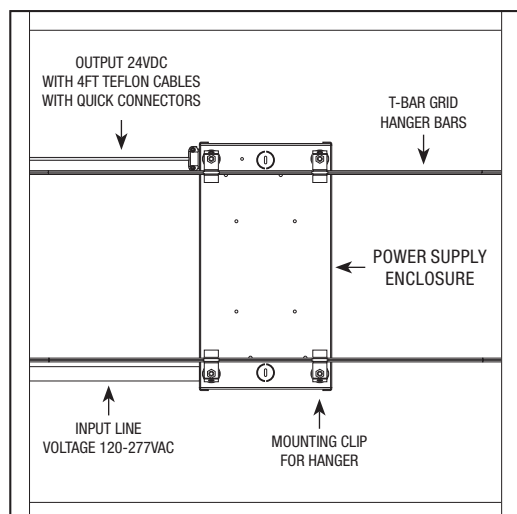
15

INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY

24VDC INDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

PURE EDGE
LIGHTING

Application: 0-10V dimming for Tunable White LED Strip/Fixture

TUNABLE WHITE
STRIP/ FIXTURE

RED

BLACK

BLACK

RED

WARM+ YELLOW
VIN1+ RED
VIN1- BLACK
WARM- BLUE
COOL- BLUE
VIN2- BLACK
VIN2+ RED
COOL+ YELLOW

Tunable White LED PWM dimming module
Dimming range: 0-100%
0/1-10V control 1, 0/1V =0% light output
10V=100% light output
0/1-10V control2, 0/1V=100% warm
10V=100% cool
PWM Output to LED Modules (8-48V PWM, 1K Hz)

COLOR TEMP

PURPLE +
GRAY -
GRAY -
PURPLE +

INTENSITY

24VDC+
24VDC-

24V POWER SUPPLY

INPUT:
120-277V AC

L
N
GND

PSB-96W-010-24VDC-2XK

0-10V Controller
Control Input 1
(Dimming **Intensity**)

0-10V Controller
Control Input 2
(For **Color Temp**)

T-BAR GRID CEILING

OUTPUT 24VDC
WITH 4FT TEFLON CABLES
WITH QUICK CONNECTORS

T-BAR GRID
HANGER BARS

POWER SUPPLY
ENCLOSURE

INPUT LINE
VOLTAGE 120-277VAC

MOUNTING CLIP
FOR HANGER

PSB-96W-010-24VDC-2XK-TB

IN WALL KIT
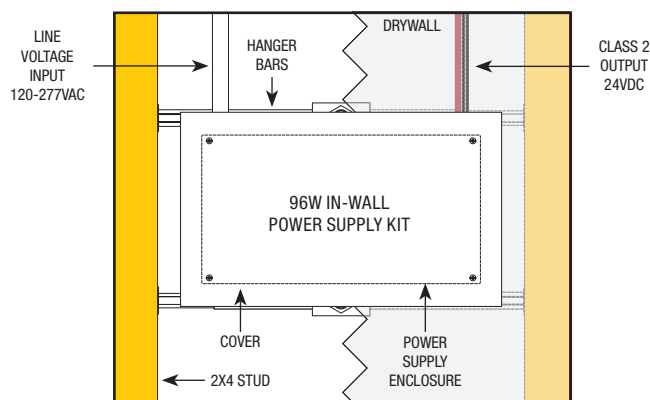
LINE
VOLTAGE
INPUT
120-277VAC

HANGER
BARS

DRYWALL

CLASS 2
OUTPUT
24VDC

96W IN-WALL
POWER SUPPLY KIT

COVER

2X4 STUD

POWER
SUPPLY
ENCLOSURE

PSB-96W-010-24VDC-2XK-IW

PROJECT		FIXTURE TYPE		DATE	

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16

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, LUTRON ECOSYSTEM

	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
T-BAR MOUNTING	L3D0-96W24V-U-TB	NA	NA
	DIMMING AND CONTROLS		
RADIO RA2	•	•	•
HOMEWORKS QS	•	•	•
PHPM-3F-120	•	•	•
PHPM-3F-DV	•	•	•
BCI-0-10	•	•	•

†24K - 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.

2-Wire EcoSystem Wiring Diagram
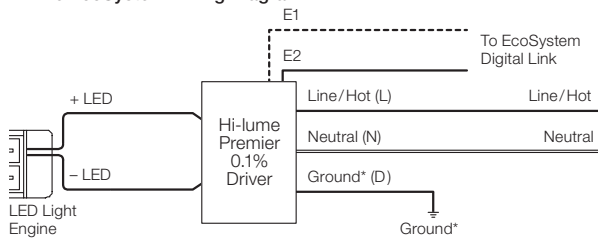
LTEA4U1UKL-CV240

3-Wire Wiring Diagram
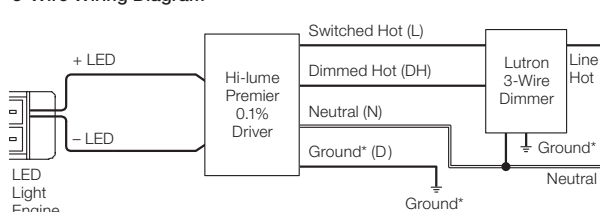
L3DA4U1UKL-CV240
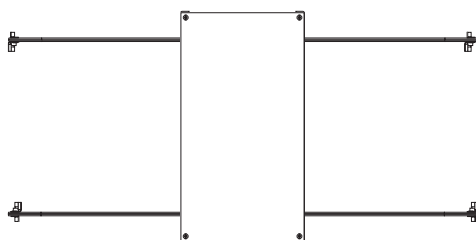
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors.

Ordering Code: L3D0-96W24V-U-TB

PROJECT		FIXTURE TYPE		DATE	

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17

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

PURE EDGE LIGHTING

REV 05.10.21

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

4.72" (12cm)

2.95" (7.5cm)

3.87" (9.8cm)   4.72" (12cm)

Side View JBox

CDMX1-2XK-WH

Controller power adapter (Included)

Fits in a single gang 2.5" deep junction box

120-240VAC

DMX CABLE (BELDEN #9841)

120-277V   N

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

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 Tunable White 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 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 **6500K** (Daylight White) while selecting over 250 levels of Brightness in a smooth, uninterrupted transition. Create Thousands of 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

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

POWER INPUT:
120-240VAC

OUTPUT SIGNAL:
USITT DMX 512 (1990)

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

Product	Type	Finish
CDMX1 –	**2XK**	**WH**
CDMX1 DMX Single Zone Touch Controller	2XK Tunable White	WH White

COLOR CHANGING (DMX) POWER SUPPLIES			
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
T-BAR MOUNTING	PSB-100W-24VDC-2XK-TB	PSB-2X100W-24VDC-2XK-TB	PSB-3X100W-24VDC-2XK-TB	PSB-4X100W-24VDC-2XK-TB
IN-WALL MOUNTING	PSB-100W-24VDC-2XK-IW	NA	NA	NA

DMX 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

T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors.
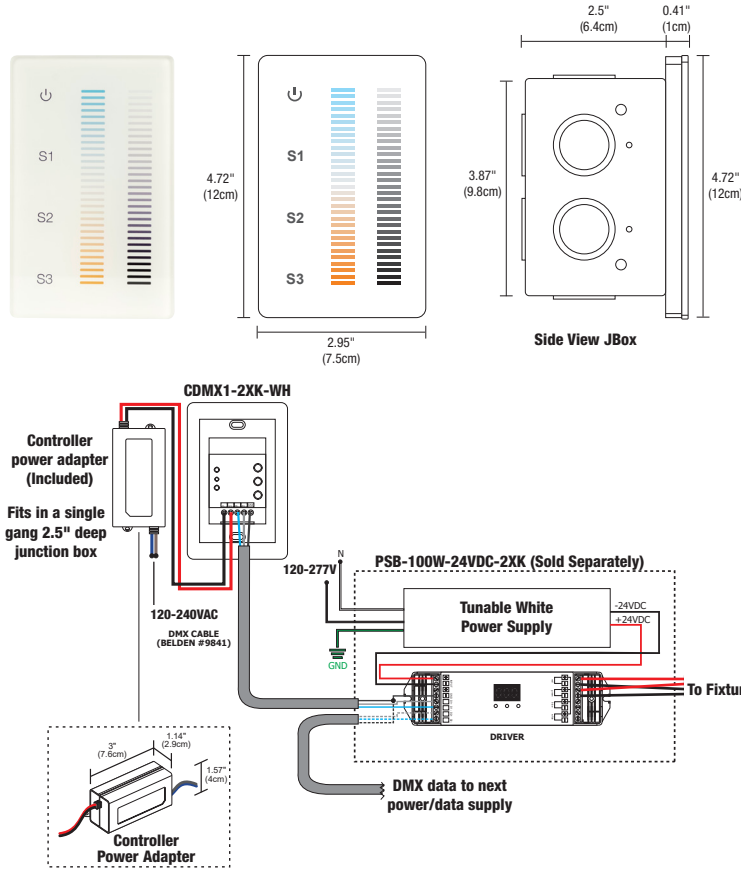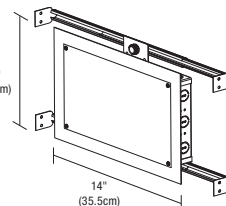
Ordering Codes:
PSB-100W-24VDC-2XK-TB
PSB-2x100W-24VDC-2XK-TB
PSB-3x100W-24VDC-2XK-TB
PSB-4x100W-24VDC-2XK-TB

8.5" (21.6cm)   14" (35.5cm)

8.5" x 14" 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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18

TUNABLE WHITE DMX WET LOCATION POWER SUPPLIES
24VDC OUTDOOR CONSTANT VOLTAGE

PURE EDGE LIGHTING

PSB-100W-24VDC-2XK-W

PSB-2X100W-24VDC-2XK-W

DESCRIPTION

Our Surface Mount, exterior-rated Tunable White supplies utilize drivers for powering 24VDC constant voltage products. These products are the ideal power supplies for all Color Changing, damp or wet LED lighting solutions. Our constant voltage LED Power Supplies 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

POWER INPUT

Universal Input voltage ranging from 120 to 277VAC

DIMENSIONS

PSB-100W-24VDC-2XK-W
Length: 10"
Width: 7.1"
Height: 3.3"
Weight: 1.6lbs

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 with Aluminum Enclosure		**100W** 100 Watts **2X100W** 2x100 Watts		**24VDC** 24 Volts		**2XK** Tunable White		**W** Wet Location	

Product		Wattage		Voltage		Type		Option	
PSB		**96W**		**24VDC**		**2XK**		**W**	
PSB Power Supply with Aluminum Enclosure		**96W** 96 Watts **2X100W** 2x96 Watts		**24VDC** 24 Volts		**2XK** Tunable White		**W** Wet Location	

REQUIRED COMPONENTS SOLD SEPARATELY

WIRING DIAGRAM
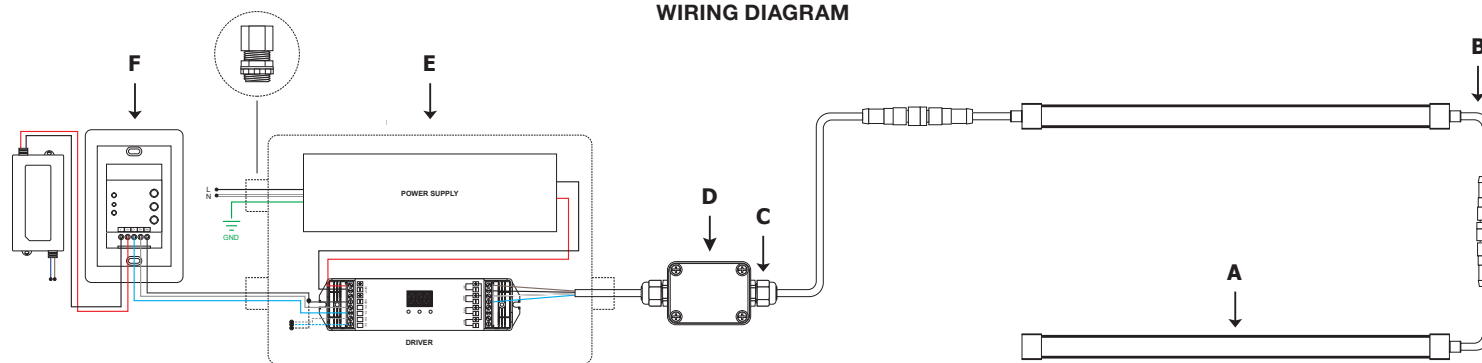
A. OUTDOOR 24VDC FIXTURE OR FLEX NEON

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 RATED POWER SUPPLY WITH 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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WET LOCATION TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY

24VDC OUTDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

PURE EDGE
LIGHTING

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 05.10.21

PSB-96W-010-24VDC-2XK-W

DIMENSIONS
PSB-96W-010-24VDC-2XK-W
Length: 10"
Width: 7.1"
Height: 3.3"
Weight: 1.6lbs

PSB-2X96W-010-24VDC-2XK-W

DIMENSIONS
PSB-2X96W-010-24VDC-2XK-W
Length: 11.8"
Width: 9.1"
Height: 3.4"
Weight: 2.26lbs

DESCRIPTION
Accepts input voltage in a range of 120 - 277VAC and outputs 24VDC power up to 96 watts. The low voltage output dims down to 1% when two additional wires are connected to a 0-10V dimmer. The enclosure provides a space inside for electrical connections. Power Supply features short circuit, overload and over temperature protection.

APPLICATIONS
Outdoor Wet Location, IP66

MOUNTING
Surface mounted with conduit access

POWER INPUT
120-277VAC

POWER OUTPUT
Class 2; 24 volts DC 4A, 96 watts maximum

EFFICIENCY
85%

AMBIENT OPERATING TEMPERATURE
-25C to 40C

DIMMING
#1 Controls the intensity. #2 Controls the Color Temperature.
0-10V (dimmer needs to be capable to dim to 0% without ON/OFF switch)

DIMMING CURVE
Linear, Logarithmic 100% - 0% (HydraDrive)

COMPLIANCE
Made in the USA, UL, CE, Plenum for use in Accordance with UL 2043. JA8 compliant when used with Pure Edge Tunable White Products.

Product		Wattage		Dimming		Voltage		Color Temperature		Option	
PSB		**96W**		**010**		**24VDC**		**2XK**		**W**	

PSB Power Supply with Enclosure Box with Tunable White 0-10V Controller	**96W** 96 Watts **2X96W** 2 x 96 Watts	**010** 0-10 Volt Dimming	**24VDC** 24 Volt DC	**2XK** Tunable White	**W** Wet Location

PROJECT		FIXTURE TYPE		DATE	

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WET LOCATION TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY
24VDC OUTDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

PURE EDGE
LIGHTING

REV 05.10.21

Application: 0-10V dimming for Tunable White Fixture

TUNABLE WHITE
STRIP/ FIXTURE

RED
BLACK
BLACK
RED

WARM+
YELLOW
VIN1+
RED
VIN1-
BLACK
WARM-
BLUE
COOL-
BLUE
VIN2-
BLACK
VIN2+
RED
COOL+
YELLOW

Tunable White LED PWM dimming module
Dimming range: 0-100%
0/1-10V control 1, 0/1V =0% light output
10V=100% light output
0/1-10V control2, 0/1V=100% warm
10V=100% cool
PWM Output to LED Modules (8-48V PWM, 1K Hz)

COLOR TEMP — PURPLE +
GRAY -
INTENSITY — GRAY -
PURPLE +

24VDC+
24VDC-

24V POWER SUPPLY

INPUT:
120-277V AC
L
N
GND

PSB-2X96W-010-24VDC-2XK-W

0-10V Controller
Control Input 1
(Dimming **Intensity**)

0-10V Controller
Control Input 2
(For **Color Temp**)

PROJECT		FIXTURE TYPE		DATE	

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For custom design and layout assistance, send drawings to design@PureEdgeLighting.com

21

PSB-_X100W-24VDC
24 VOLT DC, NON-DIMMING POWER SUPPLY

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE
LIGHTING

PSB-100W-24VDC

B

A

TOP VIEW

0.05"
(0.1cm)

2.18"
(5.5cm)

2"
(5.1cm)

B

SIDE VIEW

DESCRIPTION
Non-Dim Power Supply accepts input voltage in a range of 120 - 277VAC and outputs 24VDC power up to 4x100 watts. The enclosure provides a space inside for electrical connections. In-Wall Power Supply Kit includes power supply, box cover and stud hangers for installing Junction Box in wall. Power Supply features short circuit and overload and over temperature protection. Indoor applications only.

APPLICATIONS
Indoor*
*To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing among power supplies when multiple power supplies are installed in the same remote location.

MOUNTING
Surface mounted with conduit access

POWER INPUT
120-277VAC

POWER OUTPUT
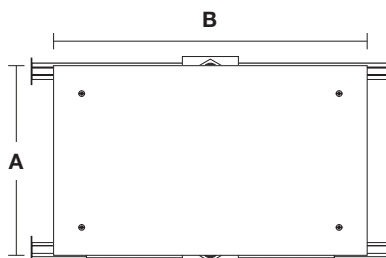Class 2; 24 volts DC 4A, up to 4x100 watts maximum

EFFICIENCY
90%

AMBIENT OPERATING TEMPERATURE
-25° C to 90° C

Product	Wattage	Voltage	Options
PSB	**100W**	**24VDC**	STANDARD (Leave Blank)
PSB Power Supply with Enclosure Box	**100W** 100 Watts **2X100W** 2 x 100 Watts **3X100W** 3 x 100 Watts **4X100W** 4 x 100 Watts	**24VDC** 24 Volt DC	**TB** T-Bar Grid Ceiling **IW*** In-Wall Kit *Only 100W & 2x100W

A

B

PSB-100W-24VDC-TB
(T-BAR GRID CEILING)

STANDARD & T-BAR DIMENSIONS		
	A	B
PSB-100W-24VDC	3.12"	12.4"
PSB-2X100W-24VDC	6.48"	12.15"
PSB-3X100W-24VDC	10"	14"
PSB-4X100W-24VDC	13"	17"

PSB-100W-24VDC-IW

B

A

PSB-100W-24VDC-IW (IN WALL KIT)

IN-WALL DIMENSIONS		
	A	B
PSB-100W-24VDC-IW	5.1"	14.25"
PSB-2X100W-24VDC-IW	8.5"	14.25"

PROJECT		FIXTURE TYPE		DATE	

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

PURE EDGE LIGHTING

REV 05.10.21

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
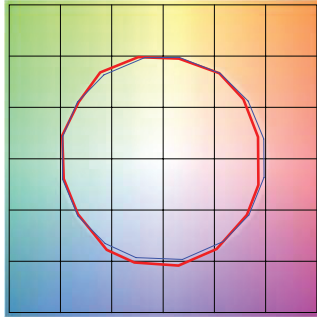
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % 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
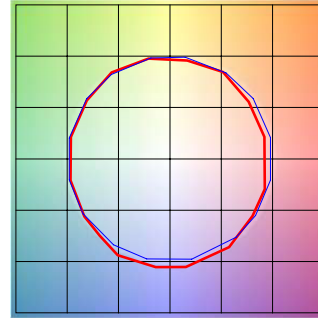
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % 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
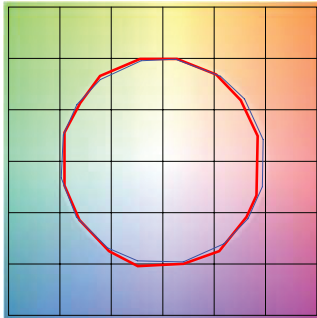
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % 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
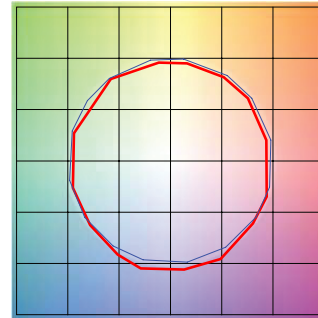
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % 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
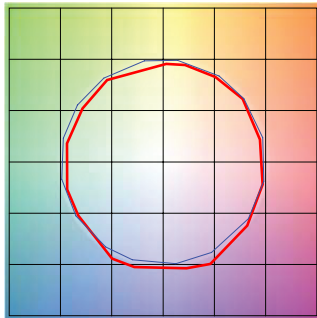
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % 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
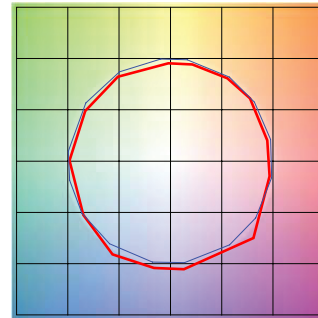
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % 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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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.

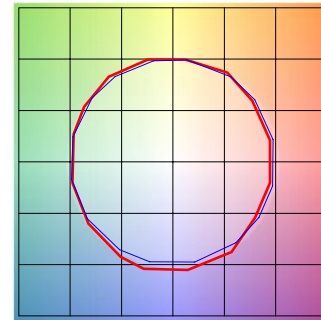### 2700D | Rf: 90.7 | Rg: 101.1
Color Vector Graphic
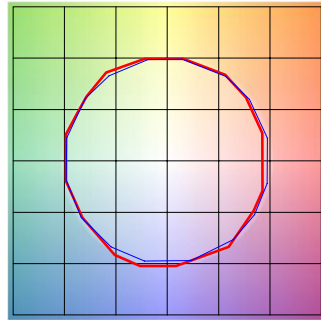
Test   Reference

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%

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

Test   Reference

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%

2000K ONLY (2K4K) | Rf: 90.6 | Rg: 98.5
Color Vector Graphic
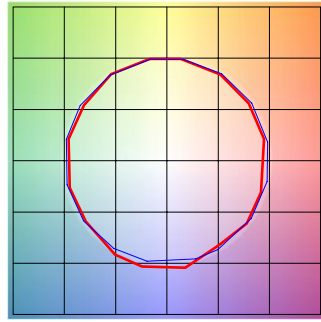
Test   Reference

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%

3000K (2K4K) | Rf: 90.5 | Rg: 100.7
Color Vector Graphic
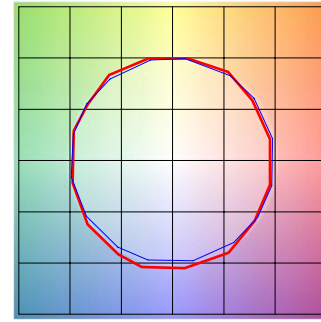
Test   Reference

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%

4000K ONLY (2K4K) | Rf: 86.4 | Rg: 96.1
Color Vector Graphic
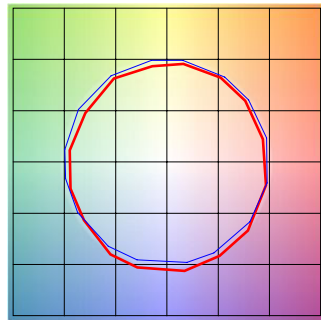
Test   Reference

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%

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