STOMP STRIP SNAP AND LIGHT
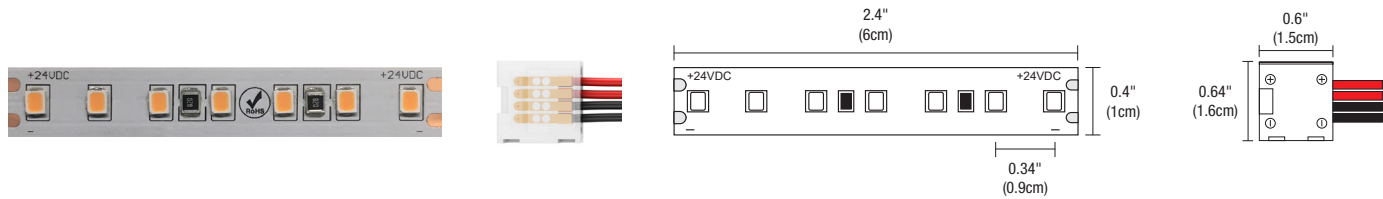## (2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE LIGHTING

2.4" (6cm)   0.4" (1cm)   0.34" (0.9cm)   0.6" (1.5cm)   0.64" (1.6cm)

CAN'T STOMP ME OUT
Our Low Voltage DIY (Design-It-Yourself) Stomp Strip is value engineered and highly durable, designed to withstand the harsh elements of a job site, including stomping and twisting. Stomp Strip is used for our DIY Light Channels.

FEATURES & BENEFITS
- Snap & Light Solderless Connectors reduce time and labor during installation
- Value Engineered: Developed to meet popular demand for cost effective illumination without sacrificing output, color rendering and efficacy
- Tolerance: Created to resist damage in rigorous environments such as busy commercial jobsites
- Compact LED spacing: Produce uniform light distribution without visible diodes or hot spots when used within a diffused lens
- 4oz Layer of Copper Busbar: Provides superior heat dissipation and less voltage drop equivalent to 14AWG wire
- Premium Coating: Optically Clear Silicone prevents fading over time
- Mounting: Industrial 3M tape lined strip for strong, self-adhesion to most smooth, finished surfaces
- Applications: Indoor, damp and dry locations
- Warranty: Includes a 5-year pro-rated warranty

SPECIFICATIONS
- 24VDC
- 2.5, 4.4 or 7.3 watts per foot
- Sold in 1' increments
- Field-cuttable increments: Static White 2.4", Warm Dim and Tunable White 3"
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

LAMP
- 7 Static White Color Temperatures **22K-57K**
- Warm Dim: **27D** and **30D** dim down to 2000K, resembling incandescent light sources
- Tunable White: **2K6K** (2000K-6500K) and **27K6** (2700K-6500K)
- Average life: 50,000 hours

REMOTE POWER SUPPLIES*, DIMMING & CONTROLS (SOLD SEPARATELY)
- Electronic Low Voltage Dimming **(ELV)**†
- Uni Driver: Universal dimming **(ELV, 0-10V, TRIAC)**
- 0-10 Volt **(0-10)** Dimming
- Color Changing **(DMX)**
- Lutron Hi-Lume®

*In-Wall Mounting Kits available for select Power Supplies
†ELV power supplies are not compatible with nLight, use only 0-10 volt. Universal driver or Lutron Hi-Lume® power supplies

MAXIMUM LENGTHS BEFORE RE-FEEDING
- 2WDC, 2.5 watts per foot - 40' (Excludes Warm Dim)
- 5WDC, 4.4 watts per foot - 20'
- 7WDC, 7.3 watts per foot - 12' (Excludes Warm Dim)

REQUIRED COMPONENTS (SOLD SEPARATELY)
- Remote Power Supply
- Snap & Light Power Connector

ACCESSORIES (SOLD SEPARATELY)
- 24VDC Solderless Snap & Light Jumper Connector
- Mounting Straps & Clips

APPROVALS
Class 2 Wiring up to 100 watts, Damp Location Suitable, ETL listed.

	ST2A							ST5A									ST7A						
WATTS PER FOOT	2.5W							4.4W									7.3W						
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	284	284	287	299	343	362	383	525	525	531	606	553	631	634	669	708	811	811	820	854	980	1033	1093
LUMENS PER WATT (lm/w)	114	114	115	120	137	145	153	119	119	121	126	126	131	144	152	161	111	111	112	117	134	142	150
CRI	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	94+	92+	94+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+

*27D, 30D - Warm Dim (4.8 Watts)

	ST2A 2K6K (2000K-6500K)									ST2A 27K6 (2700K-6500K)							ST5A 2K6K (2000K-6500K)									ST5A 27K6 (2700K-6500K)						
WATTS PER FOOT	2.5W									2.5W							4.6W									4.6W						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	152	154	156	158	160	165	180	194	208	164	195	201	206	225	242	231	368	383	398	413	428	458	491	496	500	411	420	436	452	447	443	442
LUMENS PER WATT (lm/w)	82	77	78	79	80	82	90	97	115	82	78	80	82	90	97	115	80	80	83	86	89	95	102	103	109	103	91	95	98	97	96	110
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

	ST7A 2K6K (2000K-6500K)									ST7A 27K6 (2700K-6500K)						
WATTS PER FOOT	7.3W									7.3W						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	512	536	560	584	608	656	691	698	705	555	567	589	610	603	598	596
LUMENS PER WATT (lm/w)	80	74	78	81	84	91	96	97	110	87	79	82	85	84	83	93
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	94+	93+	92+	92+	92+	92+	91+

System	Voltage	Length in Feet	Color Temperature
ST2A	**24V**	**40**	**27K**

ST2A Stomp Strip, 2.5 watts (40ft Max)	24V 24 Volt	1-40	22K 2200K Amber White
ST5A Stomp Strip, 4.4 watts (20ft Max)			24K 2400K Very Warm White
ST7A Stomp Strip, 7.3 watts (12ft Max)			27K 2700K Incandescent White
			27D 2700K Warm Dim (5W Only)
			30K 3000K Warm White
			30D 3000K Warm Dim (5W Only)
			35K 3500K Neutral White
			40K 4000K Cool White
			57K 5700K Daylight White
			2K6K Tunable White 2000K-6500K
			27K6 Tunable White 2700K-6500K

PROJECT		FIXTURE TYPE		DATE	

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STOMP STRIP SNAP AND LIGHT
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

PURE EDGE LIGHTING

REV 09.01.21

INDOOR 24VDC LED SOFT STRIP: Accessories (sold separately)

Using the Snap & Light Solderless Connectors: Cutting and reconnecting our LED Stomp Strip is easy. All you need is a pair of scissors or any sharp device that will allow you to make a clean cut.
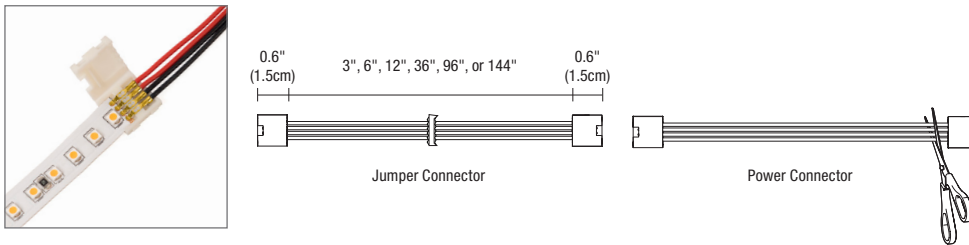
1. Cut the middle of joining contacts

2. Remove the protective coating from the contacts

3. Place the LED Stomp Strip end under the plastic guide and push it under the snap contacts

4. Close the cover

5. Snap the cover to secure in place

24VDC SOLDERLESS SNAP & LIGHT POWER/JUMPER CONNECTOR
Join 2 cut sections of LED Stomp Strip end to end. Use as a power connector is required. Use as a jumper connector is optional. To use as a power connector cut and strip the wires.
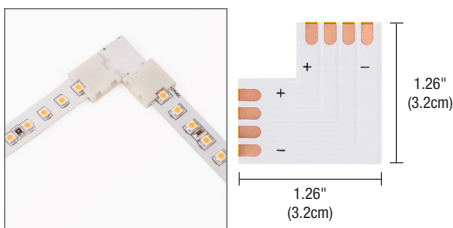
Product	Type	Size
LC	**SLC**	**12IN**

LC Light Channel
SLC Snap & Light Jumper or Power Connectors

3IN 3 inches	**36IN** 36 inches
6IN 6 inches	**96IN** 96 inches
12IN 12 inches	**144IN** 144 inches
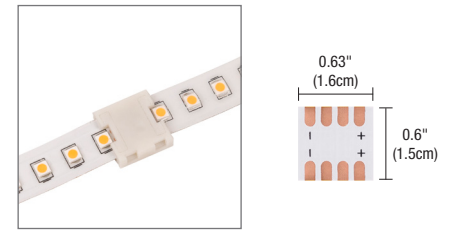
SOLDERLESS SNAP & LIGHT STRAIGHT JOINER
Join 2 cut sections of LED Stomp Strip end to end.
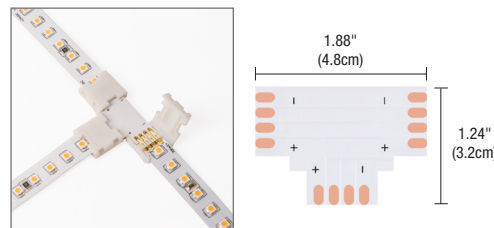
Product	Type
SS	**SLC**

SS LED Stomp Strip
SLC Snap & Light Jumper or Power Connectors

SOLDERLESS SNAP & LIGHT L-CONNECTOR
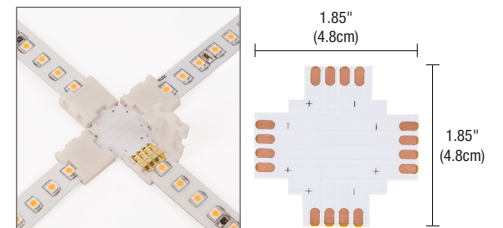Join and conduct power to 2 sections of LED Stomp Strip in an L-shape.

Product	Type
SS	**SLL**

SS LED Stomp 10mm
SLL Snap & Light L-Connector

SOLDERLESS SNAP & LIGHT T-CONNECTOR
Join and conduct power to 3 sections of LED Stomp Strip in a T-shape.

Product	Type
SS	**SLT**

SS LED Stomp 10mm
SLT Snap & Light T-Connector

SOLDERLESS SNAP & LIGHT X-CONNECTOR
Join and conduct power to 4 sections of LED Stomp Strip in an X-shape.

Product	Type
SS	**SLX**

SS LED Stomp 10mm
SLX Snap & Light X-Connector

PROJECT	FIXTURE TYPE	DATE

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STOMP STRIP SNAP AND LIGHT
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

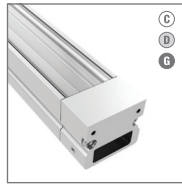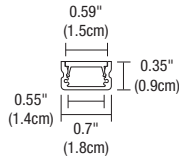**PURE EDGE LIGHTING**

REV 09.01.21

Indoor 24VDC LED Stomp Strip Compatible Channels: 24VDC LED Stomp Strips can be installed as a single strip or installed within a compatible channel with lens. See Light Channel spec sheets at www.pureedgelighting.com/product/cabinet_lighting_shelf_lighting/surface_mount.

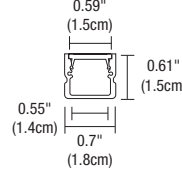Ⓒ Clear Lens   Ⓓ Diffused Lens   Ⓛ Linear Frost Lens   Ⓖ Gel Color Filter Suitable

SURFACE MOUNT LIGHT CHANNELS: *Recommended applications* — Cove, pathway, toe-kick, undercabinet, and shelves*
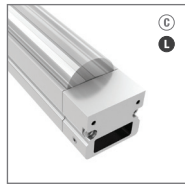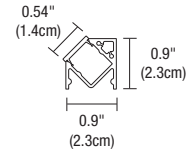
LCS.3 Light Channel
Ⓒ Ⓓ Ⓖ
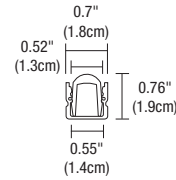0.59" (1.5cm)
0.35" (0.9cm)
0.55" (1.4cm)
0.7" (1.8cm)

LCS.6 Light Channel
Ⓒ Ⓓ Ⓖ
0.59" (1.5cm)
0.61" (1.5cm)
0.55" (1.4cm)
0.7" (1.8cm)

LC45 Light Channel 45°
Ⓓ Ⓖ
0.54" (1.4cm)
0.9" (2.3cm)
0.9" (2.3cm)

LCMG Light Channel Micro Grazer
Ⓒ Ⓛ
0.7" (1.8cm)
0.52" (1.3cm)
0.76" (1.9cm)
0.55" (1.4cm)
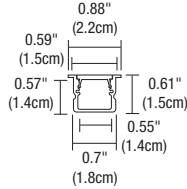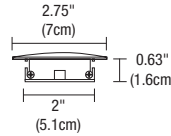
RECESSED LIGHT CHANNELS: *Recommended applications* (Recessed into drywall or wood)** — Coves, pathways, toe-kicks, undercabinets, and shelves*
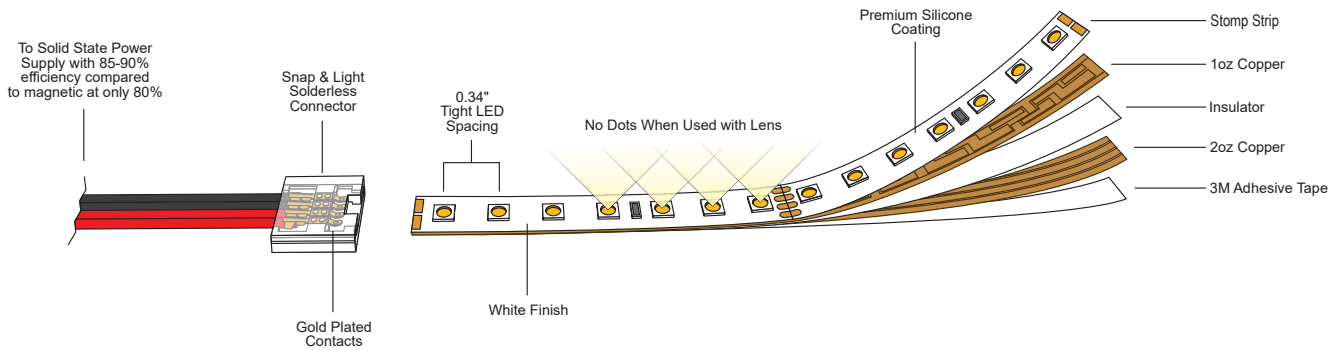
LCMW.6 Light Channel Millwork
Ⓒ Ⓓ
0.88" (2.2cm)
0.59" (1.5cm)
0.57" (1.4cm)
0.61" (1.5cm)
0.55" (1.4cm)
0.7" (1.8cm)

LCT1.6 Light Channel Trim
Ⓓ
2.75" (7cm)
0.63" (1.6cm)
2" (5.1cm)

Power Consumption per Linear Foot: Maximum length before refeeding

To Solid State Power Supply with 85-90% efficiency compared to magnetic at only 80%

Snap & Light Solderless Connector

0.34" Tight LED Spacing

No Dots When Used with Lens

Premium Silicone Coating

Stomp Strip
1oz Copper
Insulator
2oz Copper
3M Adhesive Tape

White Finish

Gold Plated Contacts

ST2A 24VDC LED STOMP STRIP (2.5 WATTS PER FOOT) MAXIMUM LENGTH BEFORE REFEEDING: 40FT																															
LENGTH IN FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
TOTAL WATTAGE	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70	72.5	75	77.5	80

ST5A STATIC WHITE 24VDC LED STOMP STRIP (4.4 WATTS PER FOOT) MAXIMUM LENGTH BEFORE REFEEDING: 20FT																				
LENGTH IN FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
TOTAL WATTAGE	4.4	8.8	13.2	17.6	22	26.4	30.8	35.2	39.6	44	48.4	52.8	57.2	61.6	66	70.4	74.8	79.2	83.6	88

ST7A STATIC WHITE 24VDC LED STOMP STRIP (7.3 WATTS PER FOOT) MAXIMUM LENGTH BEFORE REFEEDING: 12FT												
LENGTH IN FEET	1	2	3	4	5	6	7	8	9	10	11	12
TOTAL WATTAGE	7.3	14.6	21.9	29.2	36.5	43.8	51.1	58.4	65.7	73	80.3	87.6

PROJECT		FIXTURE TYPE		DATE	

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3

STOMP STRIP SNAP AND LIGHT
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

PURE EDGE
LIGHTING

INDOOR & OUTDOOR 24VDC LED STOMP STRIP: Mounting Straps and Clips (sold separately)

TOP

PROFILE

0.63"
(1.6cm)

1.16"
(2.9cm)

0.23"
(0.6cm)

0.22"
(0.6cm)

0.63"
(1.6cm)

0.48"
(1.2cm)

0.07"
(0.2cm)

1.16"
(2.9cm)
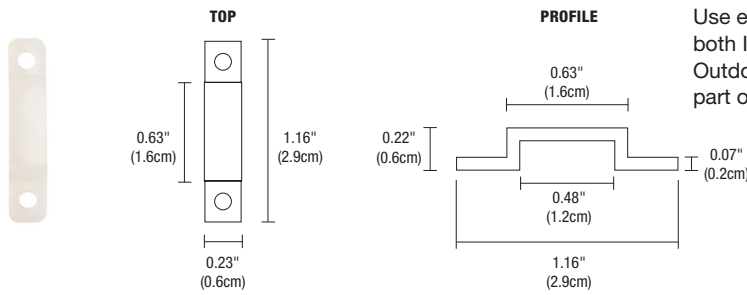
LED STOMP STRIP U-STRAP
Use every 6 - 12 inches for extra support (30/package). Compatible with both Indoor and Outdoor LED Stomp Strips. The U-Strap is included with Outdoor LED Stomp Strips, and is ordered separately as a replacement part or for Indoor LED Soft Strips.

Product		Type
SS	-	**SU**
SS LED Stomp Strip		**SU** U-Strap

0.18"
(0.5cm)

0.21"
(0.5cm)

0.73"
(1.9cm)

0.48"
(1.2cm)

0.08"
(0.2cm)

4.07"
(10.3cm)
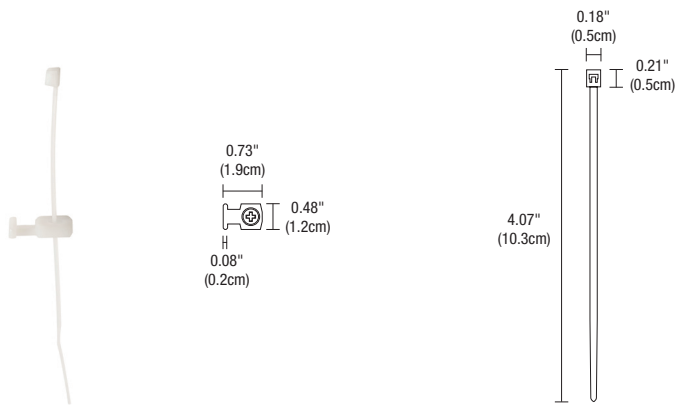
LED STOMP STRIP TIE STRAP
Use every 6 - 12 inches for extra support (30/package). Compatible with both Indoor and Outdoor LED Stomp Strips. The Tie Strap is included with Outdoor LED Stomp Strips, and is ordered separately as a replacement part or for Indoor LED Soft Strips.

Product		Type
SS	-	**ST**
SS LED Stomp Strip		**ST** Tie Strap

PROJECT		FIXTURE TYPE		DATE	

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4

STOMP STRIP SNAP AND LIGHT
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE
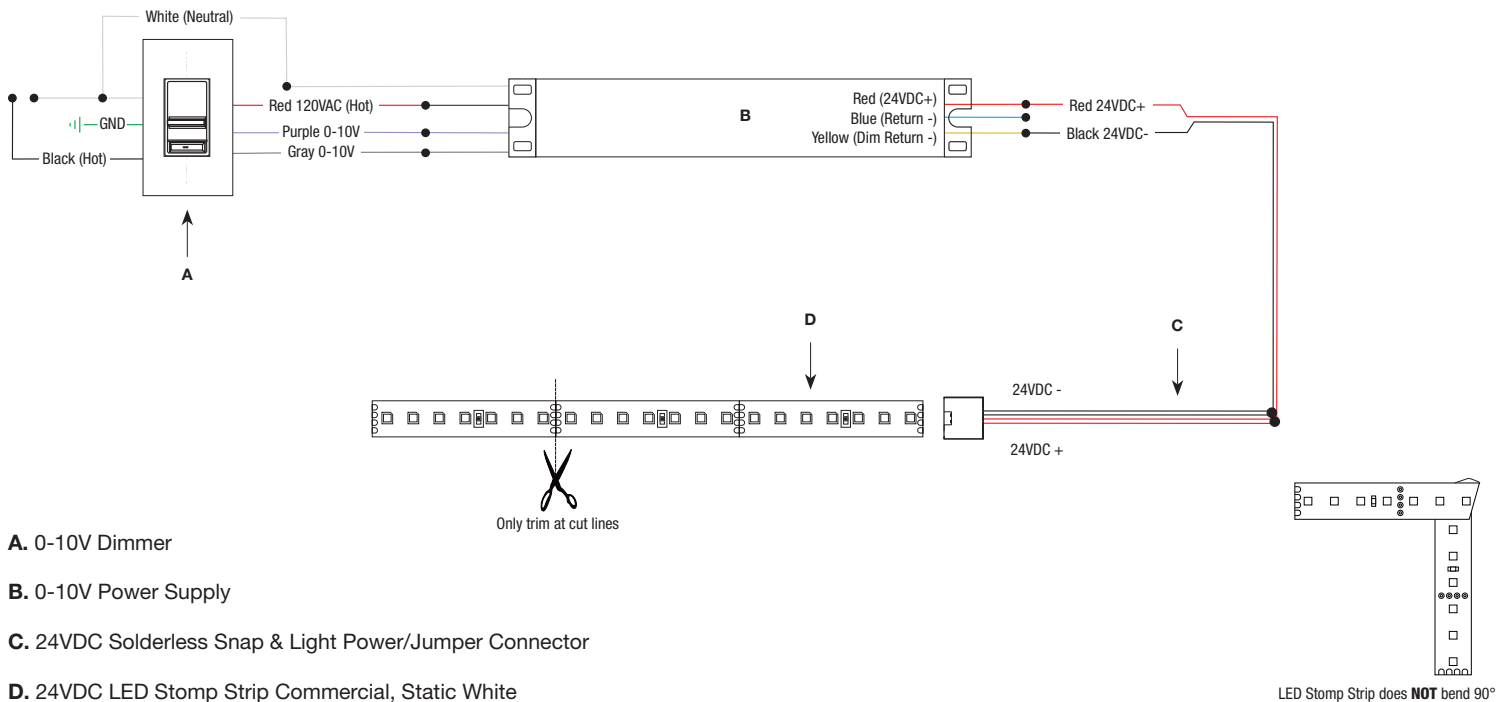
PURE EDGE
LIGHTING

REV 09.01.21

INDOOR ELECTRONIC LOW VOLTAGE DIMMING (ELV) SAMPLE WIRING DIAGRAM: The example below is using a Class 2, 24VDC 60 watts ELV Power Supply with 60 watts output. See the Power Supply comparison chart for other compatible ELV Power Supply and dimmer options.

INDOOR ELECTRONIC LOW VOLTAGE DIMMING (ELV)

A. ELV Dimmer

B. ELV Power Supply

C. 24VDC Solderless Snap & Light Power/Jumper Connector

D. 24VDC LED Stomp Strip Commercial, Static White

E. Solderless Snap & Light L-Connector

F. Solderless Snap & Light Straight Joiner

LED Stomp Strip does **NOT** bend 90°
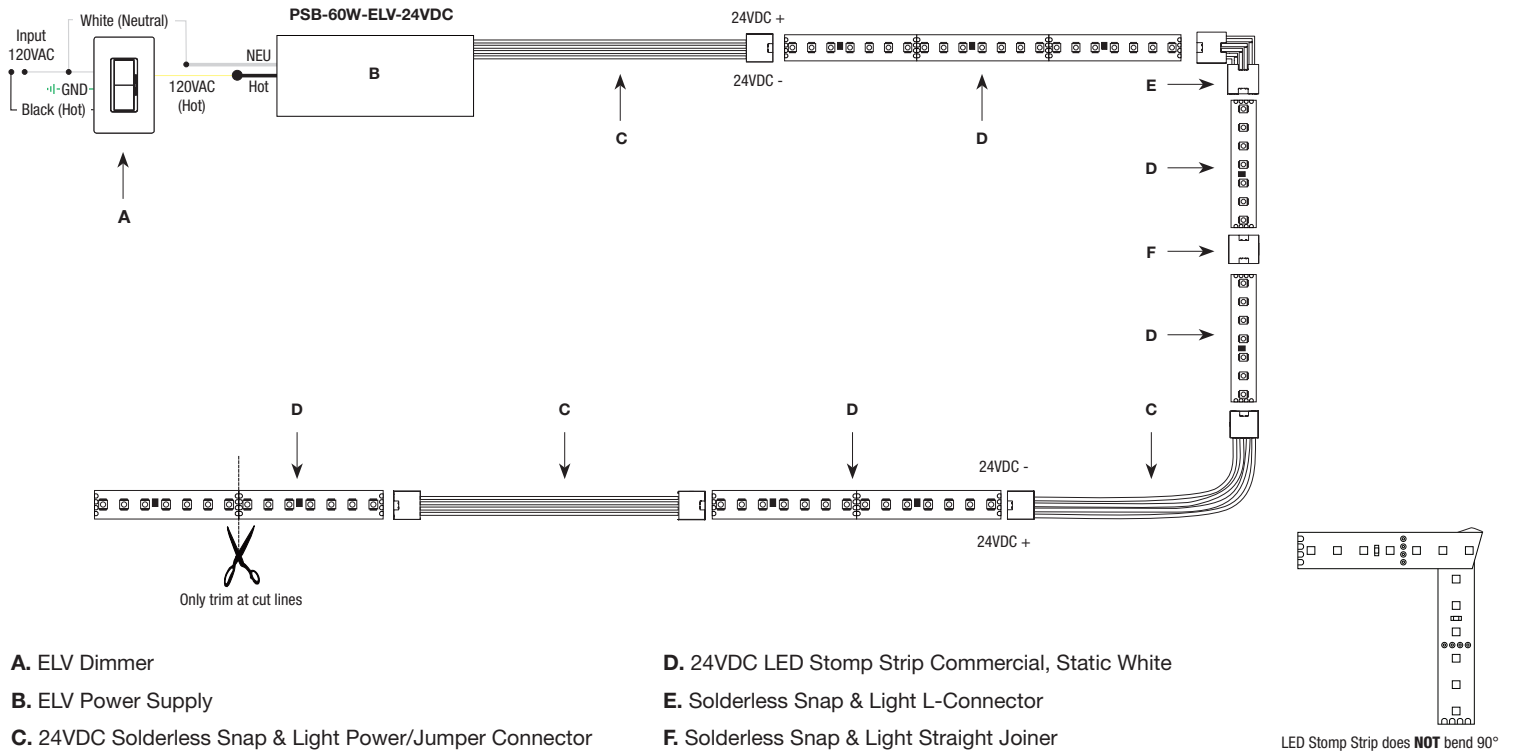
INDOOR 0-10 VOLT DIMMING (0-10V) SAMPLE WIRING DIAGRAM: The example below is using a Class 2, 24VDC 96 watts 0-10V Power Supply with 120 - 277 VAC input, and 24VDC 96 watts output. Dimming is possible but not recommended for Static White LED Stomp Strips. See the Power Supply comparison chart for other compatible 0-10V Power Supply and dimmer options.

INDOOR 0-10 VOLT DIMMING (0-10V)

A. 0-10V Dimmer

B. 0-10V Power Supply

C. 24VDC Solderless Snap & Light Power/Jumper Connector

D. 24VDC LED Stomp Strip Commercial, Static White

LED Stomp Strip does **NOT** bend 90°

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

REV 09.01.21

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
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

*Title 24 with JA8 listed PureEdge products and systems

*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.

- 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.

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.
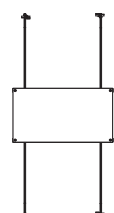
Ordering Codes : PSB-40W-UNI-24VDC-TB, PSB-60W-UNI-24VDC-TB, PSB-96W-UNI-24VDC-TB, PSB-2X40W-UNI-24VDC-TB, PSB-2X60W-UNI-24VDC-TB, PSB-2X96W-UNI-24VDC-TB, PSB-3X96W-UNI-24VDC-TB, PSB-4X96W-UNI-24VDC-TB
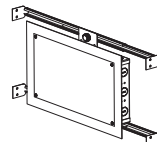
In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes 5.1" x 14.25": PSB-40W-UNI-24VDC-IW, PSB-60W-UNI-24VDC-IW, PSB-96W-UNI-24VDC-IW
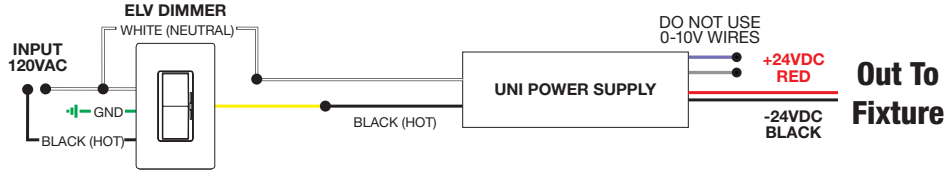
Ordering Codes 8.5" x 14.25": PSB-2X40W-UNI-24VDC-IW, PSB-2X60W-UNI-24VDC-IW, PSB-2X96W-UNI-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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6

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

PURE EDGE
LIGHTING

REV 09.01.21

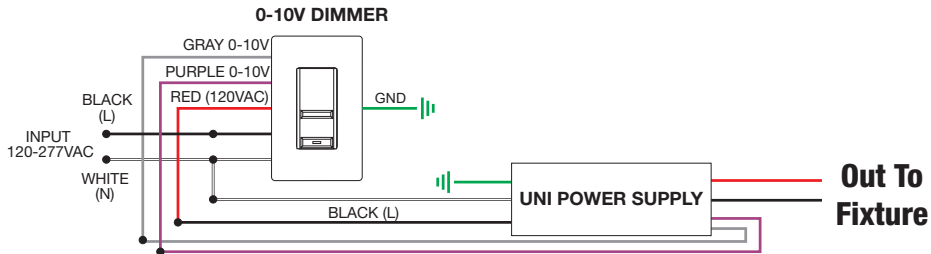## WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

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
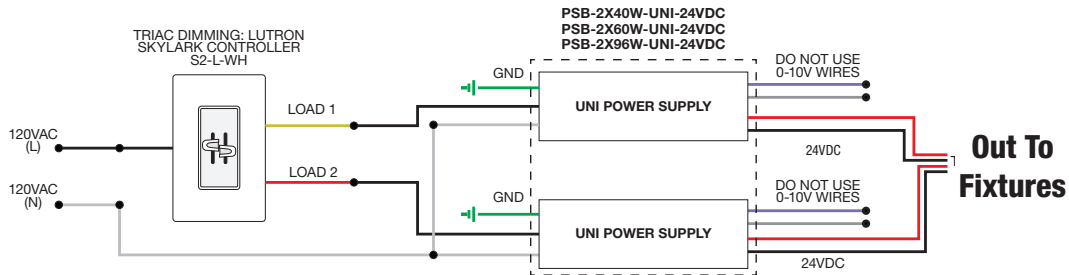

ELV DIMMER
WHITE (NEUTRAL)
DO NOT USE 0-10V WIRES
INPUT 120VAC
+24VDC RED
Out To Fixture
GND
-24VDC BLACK
BLACK (HOT)
BLACK (HOT)
UNI POWER SUPPLY

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

0-10V DIMMER
GRAY 0-10V
PURPLE 0-10V
BLACK (L)
RED (120VAC)
GND
INPUT 120-277VAC
WHITE (N)
Out To Fixture
BLACK (L)
UNI POWER SUPPLY

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

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

TRIAC DIMMING: LUTRON SKYLARK CONTROLLER S2-L-WH
PSB-2X40W-UNI-24VDC
PSB-2X60W-UNI-24VDC
PSB-2X96W-UNI-24VDC
GND
DO NOT USE 0-10V WIRES
120VAC (L)
LOAD 1
UNI POWER SUPPLY
24VDC
Out To Fixtures
120VAC (N)
LOAD 2
GND
DO NOT USE 0-10V WIRES
UNI POWER SUPPLY
24VDC

PROJECT		FIXTURE TYPE		DATE	

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

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE
LIGHTING

PSB-2X100W-24VDC

TOP VIEW

SIDE VIEW

2.18" (5.5cm) 0.05" (0.1cm) 2" (5.1cm)
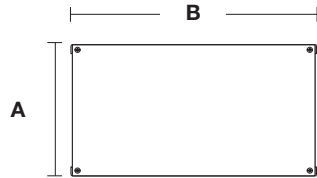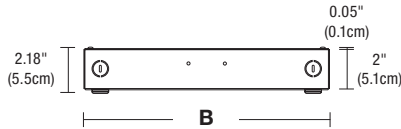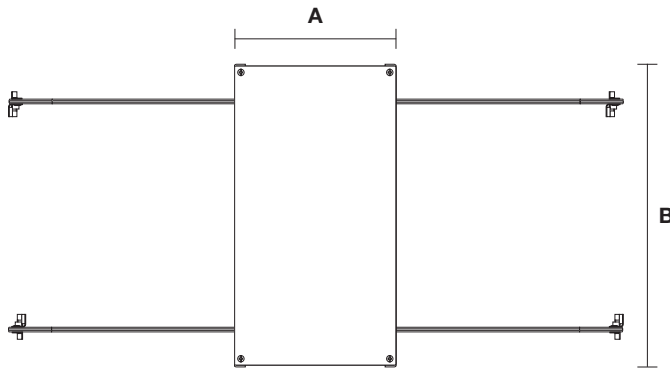

PSB-100W-24VDC-TB
(T-BAR GRID CEILING)

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

COMPLIANCE

Made in the USA, UL, CE, Title 28, Plenum for use in Accordance with UL 2043.
*Title 24 with JA8 listed PureEdge products and systems

Product	Wattage	Voltage	Options
PSB	**100W**	**24VDC**	STANDARD (Leave Blank)

PSB Power Supply with Enclosure Box	**100W** 100 Watts	**24VDC** 24 Volt DC	**TB** T-Bar Grid Ceiling
	2X100W 2 x 100 Watts		**IW*** In-Wall Kit
	3X100W 3 x 100 Watts		
	4X100W 4 x 100 Watts		*Only 100W & 2x100W

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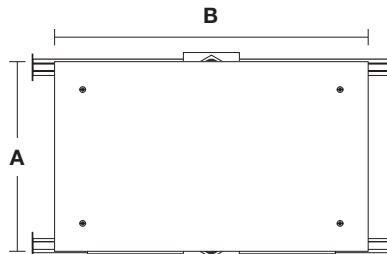
PSB-100W-24VDC-IW (IN WALL KIT)

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

PURE EDGE LIGHTING

REV 09.01.21

## 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

*Title 24 compliant when used with JA8 listed PureEdge systems.
**Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.
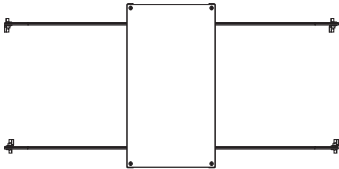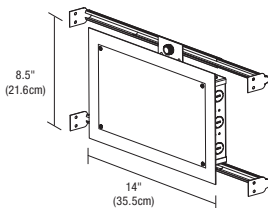
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

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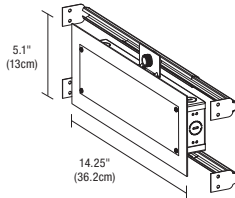
5.1" x 14.25" In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

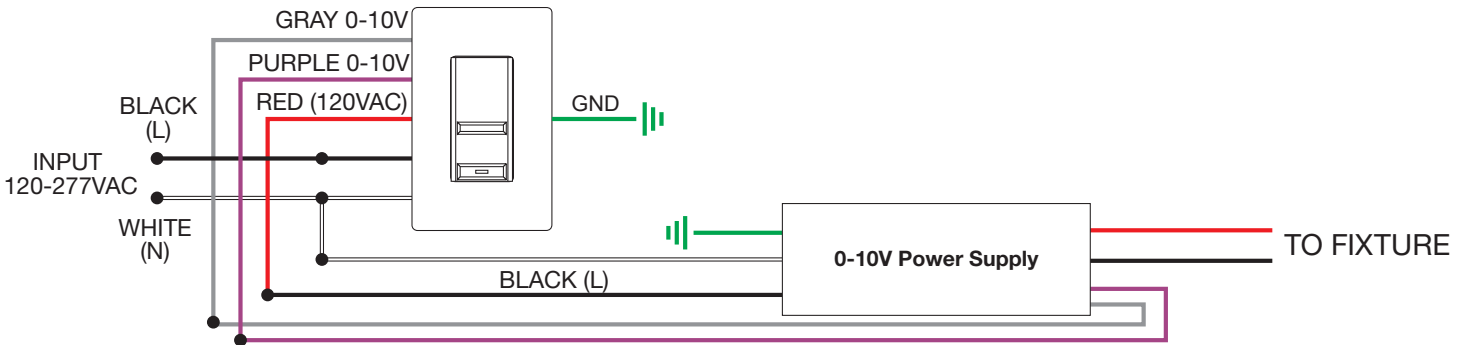| PROJECT		FIXTURE TYPE		DATE	

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9

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

PURE EDGE
LIGHTING

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

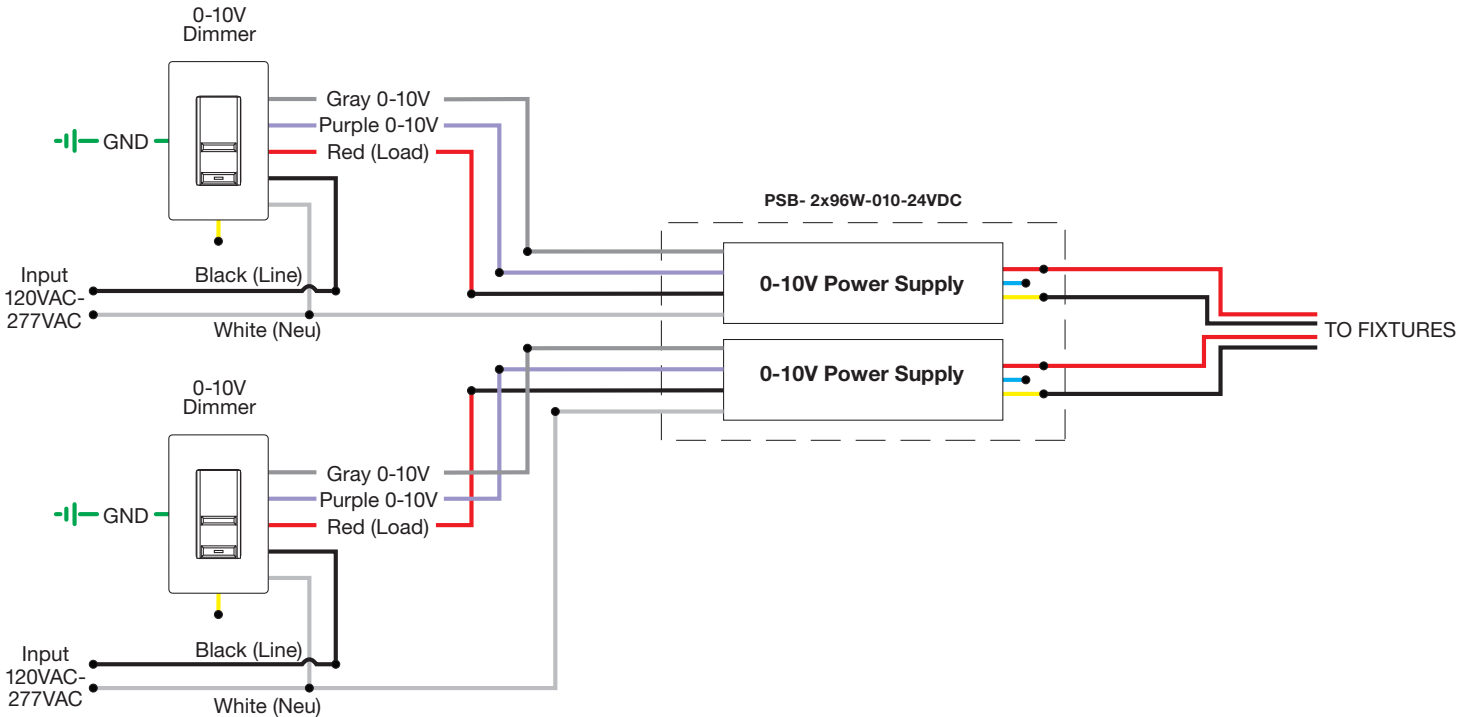**Application:** Dual 0-10V dimming for Static White

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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10

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

PURE EDGE LIGHTING

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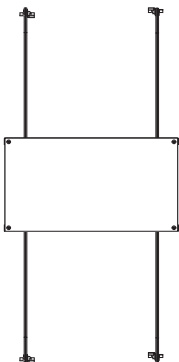
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

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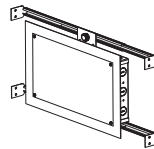
In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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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REV 09.01.21

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)
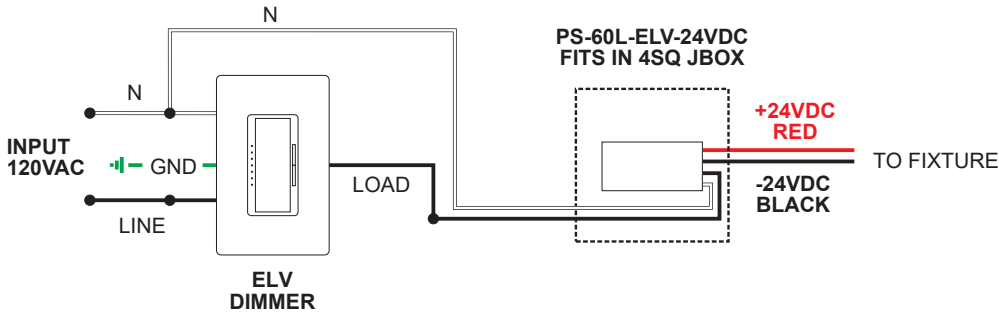PSB-60W-ELV-24VDC
+24VDC RED
TO FIXTURE
-24VDC BLACK

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
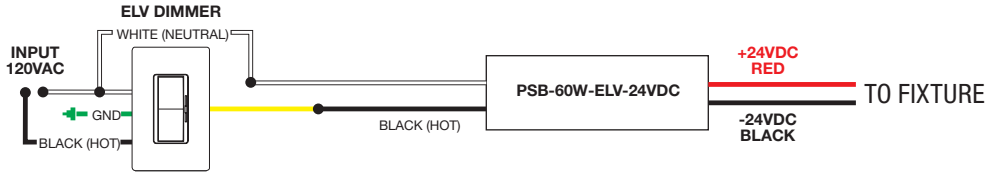
Application: Dual ELV dimming for Static White

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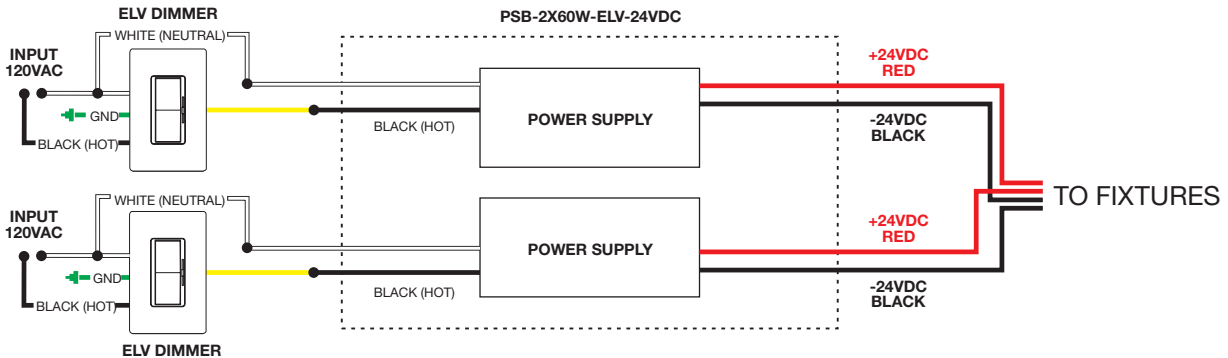
ELV DIMMER
WHITE (NEUTRAL)
INPUT 120VAC
GND
BLACK (HOT)
PSB-2X60W-ELV-24VDC
BLACK (HOT)
POWER SUPPLY
+24VDC RED
-24VDC BLACK
INPUT 120VAC
GND
BLACK (HOT)
BLACK (HOT)
POWER SUPPLY
+24VDC RED
-24VDC BLACK
TO FIXTURES
ELV DIMMER

PROJECT		FIXTURE TYPE		DATE	

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

PURE EDGE LIGHTING

REV 09.01.21

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

4.72" (12cm)

3.87" (9.8cm)

4.72" (12cm)

2.95" (7.5cm)

Side View JBox

S1 S2 S3
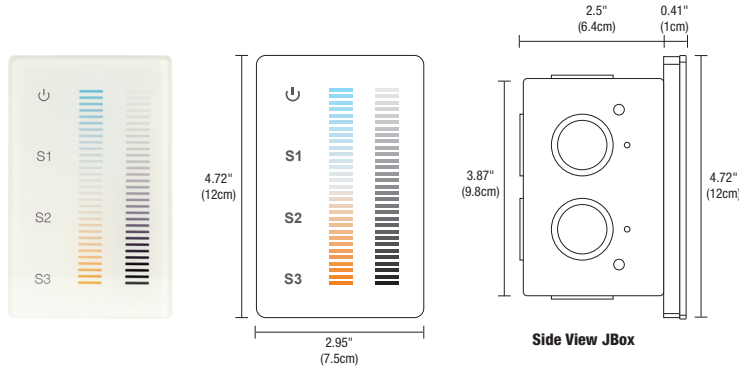
DESCRIPTION:
The Tunable White Touch Controller offers fast and accurate Color Temperature adjustment and the ability to regulate the Brightness Independently. The modern Glass faceplate features illuminated indicators, and a back-lit night light that softly illuminates the controller when powered off. 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

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

GND

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

Tunable White Power Supply

-24VDC
+24VDC

DRIVER

To Fixture

DMX data to next power/data supply

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

Controller Power Adapter

Product		Type		Finish
CDMX1	–	**2XK**	–	**WH**
CDMX1 DMX Single Zone Touch Controller		2XK Tunable White		WH White
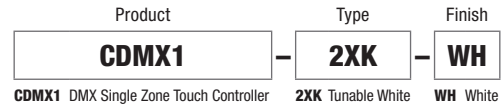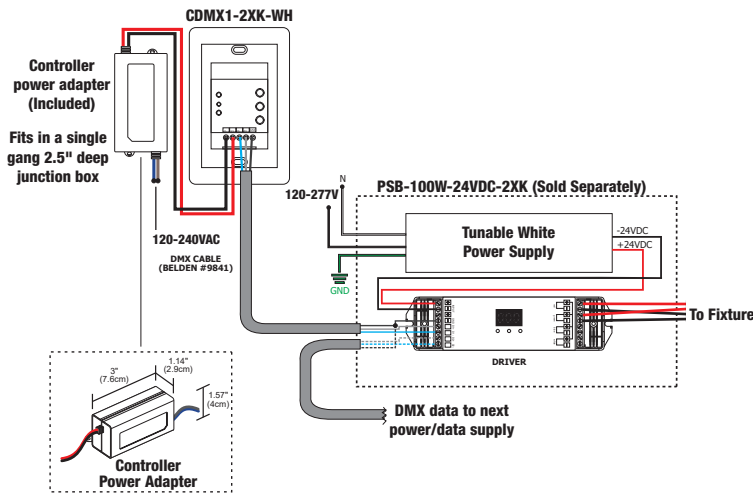
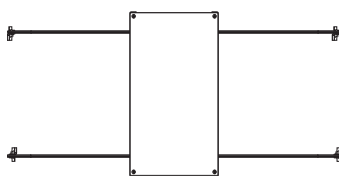## COLOR CHANGING (DMX) POWER SUPPLIES

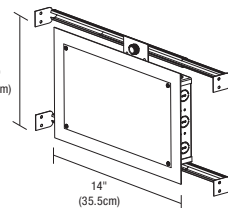| ORDERING CODE	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
SPECIFICATIONS				
MAXIMUM LOAD OF LED STRIP LENGTH	100W 5 WATTS - 20FT MAX. 10 WATTS - 10FT MAX.	2X100W 5 WATTS 2 X 20FT MAX. 10 WATTS - 2 X 10FT MAX.	3X100W 5 WATTS 3 X 20FT MAX. 10 WATTS - 3 X 10FT MAX.	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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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

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 09.01.21

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

B

A

TOP VIEW

0.05"
(0.1cm)

2.18"
(5.5cm)

2"
(5.1cm)

B

SIDE VIEW

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 4' 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
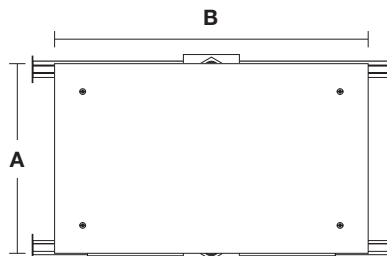
Linear, Logarithmic 100% - 0% (HydraDrive)

COMPLIANCE

Made in the USA, UL, CE, Title 28, Plenum for use in Accordance with UL 2043.
*Title 24 with JA8 listed PureEdge products and systems

A

B

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

Color Temperature				
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

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"

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

B

A

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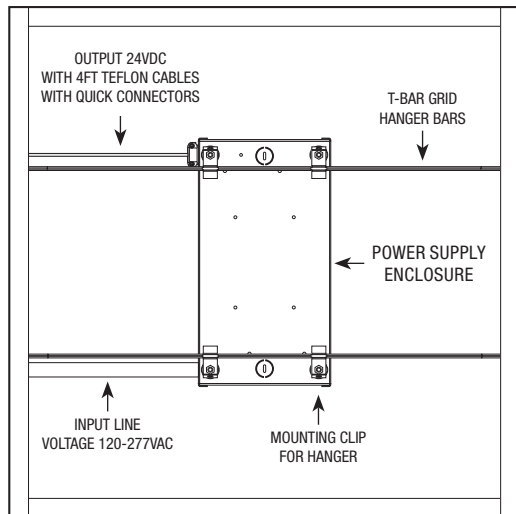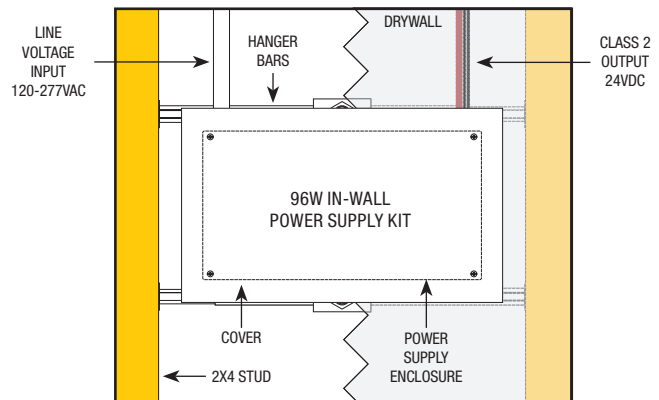VIN1- BLACK
WARM- BLUE
COOL- BLUE
VIN2- BLACK
VIN2+ RED
COOL+ YELLOW

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 -
INTENSITY — GRAY -
PURPLE +

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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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.

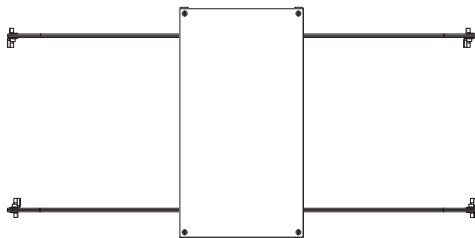### 2-Wire EcoSystem Wiring Diagram
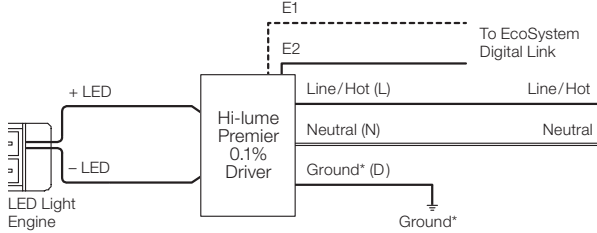
LTEA4U1UKL-CV240

3-Wire Wiring Diagram
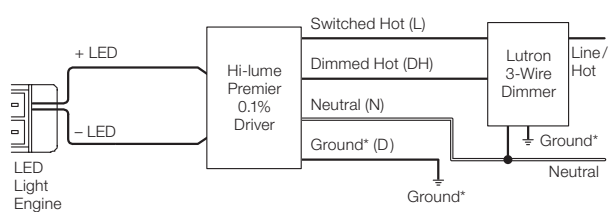
L3DA4U1UKL-CV240

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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16

LED STRIP TM30 DATA
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

PURE EDGE
LIGHTING

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED 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
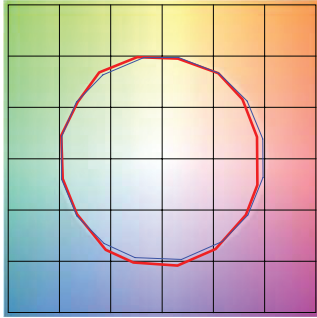
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	88.3	-5.2%	1.0%
2	90.1	-3.6%	3.7%
3	87.5	-0.5%	5.6%
4	93.9	-1.2%	1.3%
5	94.7	0.7%	2.1%
6	93.7	2.6%	0.7%
7	93.5	-1.5%	-2.2%
8	97.8	-0.4%	-0.2%
9	93.7	-1.5%	2.4%
10	90.8	-0.8%	4.9%
11	89.3	3.7%	5.4%
12	90.2	4.6%	1.0%
13	89.0	4.4%	-9.7%
14	75.4	0.6%	-15.1%
15	90.7	-1.7%	-5.0%
16	84.2	-4.4%	-9.1%

Test ▪ Reference ▪

2400K | Rf: 90.2 | Rg: 99.3
Color Vector Graphic
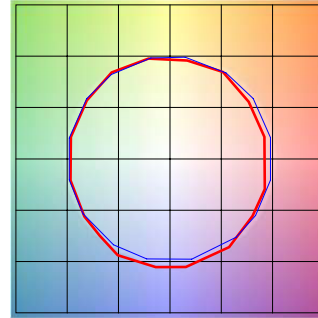
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	89.0	-4.8%	1.1%
2	90.4	-3.7%	3.2%
3	88.1	-0.7%	5.2%
4	93.0	-2.1%	0.9%
5	94.5	-0.1%	2.0%
6	94.7	1.7%	0.6%
7	93.7	-1.9%	-1.5%
8	96.8	-1.2%	0.2%
9	91.9	-1.8%	3.7%
10	88.8	-0.9%	6.1%
11	87.5	3.8%	7.1%
12	89.6	4.3%	0.3%
13	88.1	4.2%	-9.1%
14	82.5	2.8%	-10.6%
15	91.4	-2.1%	-4.2%
16	84.0	-3.6%	-9.9%

Test ▪ Reference ▪

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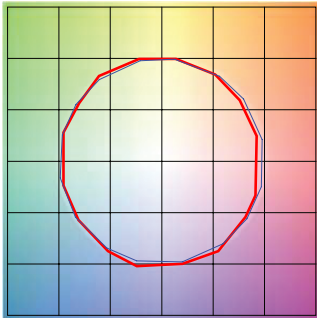
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	88.6	-5.2%	0.9%
2	90.3	-3.6%	2.9%
3	88.4	-1.5%	5.0%
4	91.9	-2.5%	1.4%
5	93.5	-0.9%	2.3%
6	95.7	0.9%	-0.4%
7	91.1	-3.7%	-0.5%
8	95.8	-2.0%	0.4%
9	90.5	-2.6%	4.5%
10	84.9	-1.1%	8.7%
11	85.0	2.3%	9.8%
12	88.1	5.5%	1.5%
13	90.9	2.9%	-5.2%
14	86.2	4.3%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

Test ▪ Reference ▪

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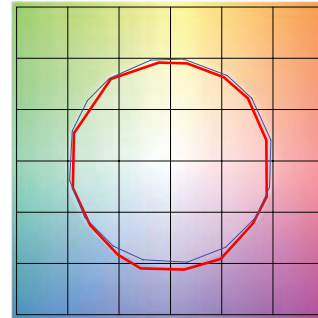
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	88.3	-5.2%	0.8%
2	90.2	-3.7%	2.7%
3	88.3	-1.6%	4.9%
4	92.2	-2.0%	1.8%
5	91.0	-3.5%	1.8%
6	95.8	0.4%	-0.4%
7	90.2	-4.4%	-0.0%
8	94.8	-2.6%	0.8%
9	89.2	-2.9%	6.0%
10	81.4	-1.5%	9.7%
11	82.9	2.3%	10.5%
12	88.3	6.7%	1.9%
13	91.9	2.8%	-4.0%
14	86.3	4.9%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

Test ▪ Reference ▪

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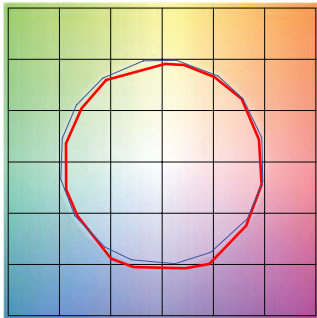
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	87.8	-5.2%	1.0%
2	90.8	-3.3%	2.3%
3	89.8	-1.6%	3.9%
4	91.0	-2.7%	0.9%
5	90.0	-5.4%	0.7%
6	95.6	-0.9%	-0.4%
7	90.0	-5.3%	1.4%
8	91.8	-3.6%	3.0%
9	87.1	-2.9%	7.3%
10	80.1	-1.3%	12.2%
11	81.8	4.1%	10.5%
12	88.2	5.1%	2.3%
13	92.4	2.1%	-3.8%
14	86.6	5.0%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

Test ▪ Reference ▪

4000K | Rf: 87.6 | Rg: 96.8 | CRI: 84
Color Vector Graphic
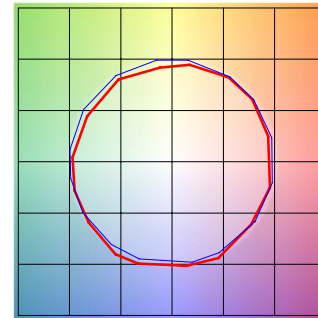
| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	89.0	-3.1%	2.1%
2	93.2	-0.9%	1.3%
3	94.3	-1.1%	0.7%
4	89.5	-4.0%	-2.3%
5	87.6	-7.8%	-1.8%
6	92.2	-4.6%	0.1%
7	87.4	-6.6%	3.6%
8	85.7	-3.8%	7.0%
9	81.5	-1.3%	12.4%
10	80.0	0.9%	11.4%
11	83.3	5.9%	8.7%
12	89.7	4.8%	-0.3%
13	88.5	2.4%	-6.3%
14	92.7	4.0%	-3.8%
15	86.1	-1.6%	-4.5%
16	85.0	-1.4%	-5.0%

Test ▪ Reference ▪

PROJECT		FIXTURE TYPE		DATE	

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17

LED STRIP TM30 DATA
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED 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.

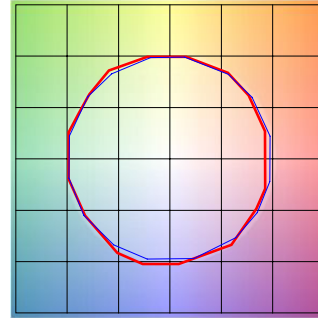### 5700K | Rf: 87.6 | Rg: 98.0
Color Vector Graphic
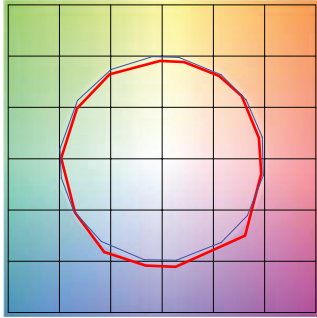
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS % 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%

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
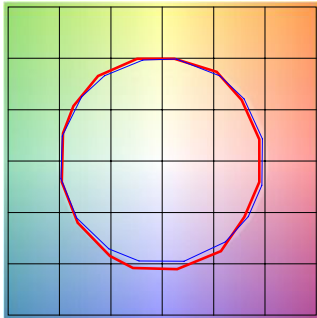
Test ■ Reference ■

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 (2K6K/27K6) | Rf: 82.8 | Rg: 99.3 | CRI: 86
Color Vector Graphic
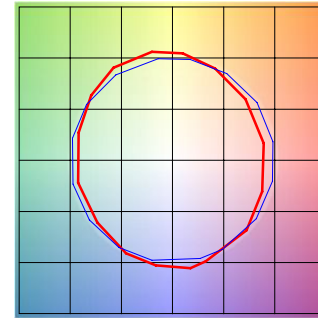
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	HUE
1	80.1	-9.2%	0.3%
2	77.4	-7.4%	9.0%
3	74.5	-2.3%	12.4%
4	85.3	4.5%	8.6%
5	89.9	7.9%	4.5%
6	88.3	7.2%	-1.8%
7	83.5	1.1%	-10.0%
8	87.1	-4.9%	-6.7%
9	88.3	-5.3%	-0.0%
10	84.6	-5.1%	6.4%
11	84.3	1.0%	9.1%
12	84.2	4.1%	4.7%
13	85.8	7.4%	-11.4%
14	60.8	0.6%	-19.6%
15	77.8	-1.6%	-14.7%
16	78.1	-7.8%	-11.5%

3000K only (2K6K/27K6) | Rf: 90.2 | Rg: 101.4 | CRI: 90+
Color Vector Graphic
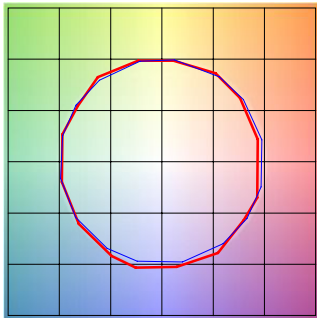
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	HUE
1	90.9	-3.8%	1.3%
2	91.7	-1.9%	3.3%
3	88.7	0.7%	5.1%
4	92.4	-1.0%	0.7%
5	92.9	0.9%	1.7%
6	93.1	3.3%	-0.6%
7	91.0	-1.8%	-0.4%
8	97.0	0.2%	-1.1%
9	92.8	-0.5%	3.6%
10	88.3	1.0%	7.0%
11	87.1	3.8%	7.8%
12	87.6	6.5%	-0.3%
13	89.3	3.6%	-6.3%
14	86.1	4.5%	-9.1%
15	91.6	-1.9%	-3.1%
16	83.8	-1.5%	-11.2%

4000K only (2K6K/27K6) | Rf: 89.6 | Rg: 99.1 | CRI: 87
Color Vector Graphic
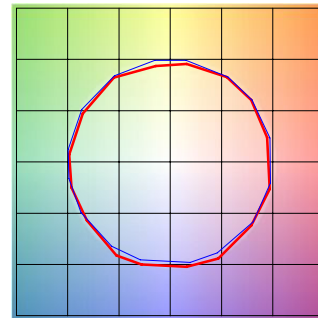
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	HUE
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.5%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%	-2.1%
15	87.4	0.4%	-4.3%
16	86.6	0.4%	-6.1%

PROJECT		FIXTURE TYPE		DATE	

www.PureEdgeLighting.com | Phone: 773.770.1195 | 1718 W. Fullerton Ave. Chicago, IL 60614
For custom design and layout assistance, send drawings to design@PureEdgeLighting.com

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LED STRIP TM30 DATA
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED 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.

6000K only (2K6K/27K6) | Rf: 87.5 | Rg: 97.7

Color Vector Graphic
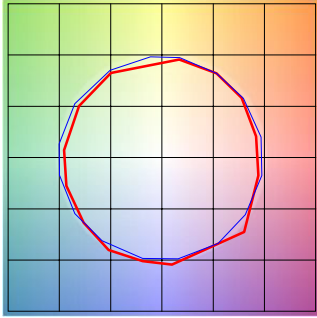
🟥 Test   🟦 Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	87.5	-4.2%	1.4%
2	92.2	-1.9%	2.7%
3	90.9	-1.4%	2.4%
4	91.4	-1.3%	1.6%
5	86.1	-6.0%	-0.5%
6	93.4	-3.4%	-0.3%
7	93.4	-3.4%	-0.3%
8	92.9	-3.9%	0.5%
9	85.8	-4.9%	5.7%
10	75.7	-0.7%	13.7%
11	80.2	4.2%	10.4%
12	93.5	3.3%	1.7%
13	90.6	4.9%	-2.3%
14	91.5	1.2%	-3.6%
15	79.1	8.3%	-13.2%
16	93.1	-2.9%	-0.4%

PROJECT		FIXTURE TYPE		DATE	