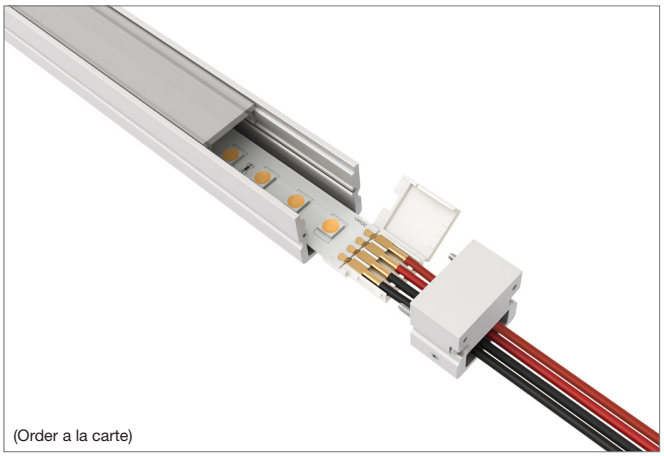
LIGHT CHANNEL 0.6 DIY SURFACE MOUNT WITH STOMP STRIP

24VDC, LED STATIC WHITE & COLOR, WARM DIM, RGB & TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 09.15.21



(Order a la carte)

LCS.6 Light Channel Clear Lens (Order a la carte)

LCS.6 Light Channel Diffused Lens (Order a la carte)

LCS.6 Light Channel Diffused Lens with White Louver (Order a la carte)

FEATURES & BENEFITS

- 24VDC LED Stomp Strip is high performance, highly durable and designed to withstand the harsh elements of a job site, including stomping and twisting
- Gold Plated Contacts prevent oxidation ensuring longevity of the LEDs
- 35 LED diodes per foot provide high performance and clean, uniform light distribution without diodes when used with a diffused lens.
- Cut and assemble in field.
- Snap & Light Solderless Connections reduce labor during installation
- 24VDC LED Strip offers excellent color-rendering
- Warm Dim/Dim-To-Warm: dims from 3000K to 2000K **(30D)**, dims from 2700K to 2000K **(27D)**. 5 watt only.
- Static White Options: 2.5W I 5W I 7.5W options. Color temperatures ranging from 2000K to 5700K.
- Tunable White: 2000K-6500K **(2K6K)** or 2700K-6500K **(27K6)**
- Dynamic Color: **(RGB)**
- Static Color: Amber **(AAA)**, Green **(GGG)**, Blue **(BBB)**, Red **(RRR)**
- 5 year pro-rated warranty included

LENS OPTIONS

- Clear Lens Half Frost **(HF)** provides maximum illumination use of a 40° transparent clear lens, LEDs diodes will show
- Clear Lens White Louver **(CW)**
- Clear Lens Black Louver **(CB)**
- Diffused White Lens **(D)** projects clean lines of light 100° eliminating pixelation
- Diffused Lens White Louver **(DW)**
- Diffused Lens Black Louver **(DB)**
- Diffused Lens with Gel Color Filter **(G) (Provided by Customer)** Clear and Diffuser Lens are Gel Color Filter Suitable allowing for color personalization. Zircon LED Gel filters recommended. Purchase Gel Lens from www.leefilters.com. See manufacturer spec sheet for more information.

APPLICATIONS

- Provides maximum light levels for task and general illumination
- Indoor only - Under/above cabinet, cove, and retail
- DIY Systems are engineered for the weekend warrior or the master electrician

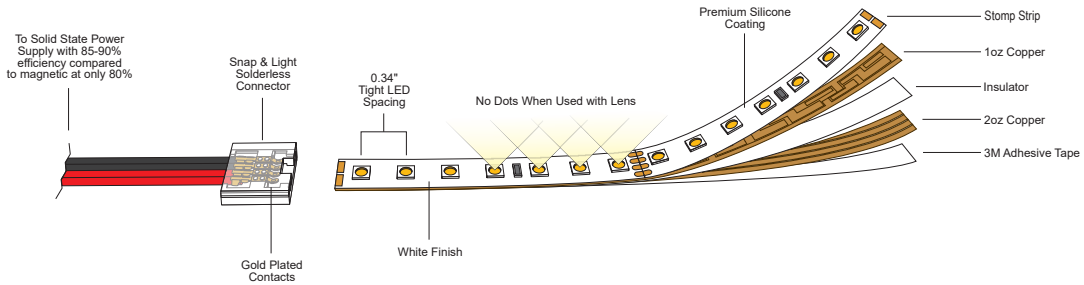
REQUIRED COMPONENTS (ORDERED SEPARATELY)

- Light Channel .6 Surface Mount and Lens (Mounting Clips provided every 2')
- End Caps (sold in pairs)
- Solderless Connectors L, T & X
- 24VDC Light Channel Solderless Snap & Light Power/Jumper Connector
- 24VDC LED Strip

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

- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)** with corresponding dimmer
- 0-10V dimming with 0-10V remote power supplies
- Lutron Hi-Lume®
- Electronic Low Voltage Dimming **(ELV)**†
- Dynamic Color Changing **(DMX)**

*In-Wall Mounting Kits available for select power supplies
**Tunable White - Requires two dimmers or use our proprietary Tunable White Controller CDMX-1
†With N-Lite Dimming Do Not use ELV power supplies, use only 0-10 volt or Uni drivers power supplies



PROJECT		FIXTURE TYPE		DATE	

STOMP STRIP SNAP AND LIGHT

(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

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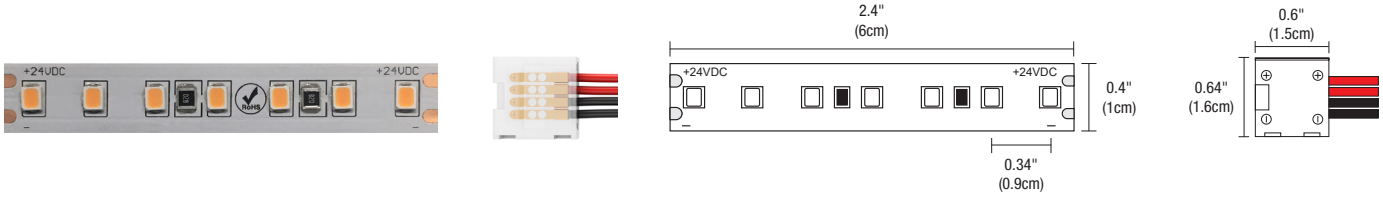

CAN'T STOMP ME OUT

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 7.5 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, 7.5 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+	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)
ST5A Stomp Strip, 4.4 watts (20ft Max)
ST7A Stomp Strip, 7.3 watts (12ft Max)

24V 24 Volt

1-40

22K 2200K Amber White
24K 2400K Very Warm White
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

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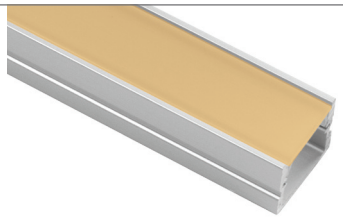
REQUIRED COMPONENTS: Select the Channel Lengths, End Caps and Power Connectors and Jumpers if needed, then choose the LED strips.

(D) LCS.6 Light Channel Full Diffused Lens

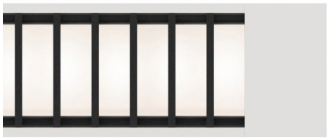
(HF) LCS.6 Light Channel Clear Lens Half Frost



LCS.6 Light Channel Diffused Lens with Gel Color Filter (provided by customer)

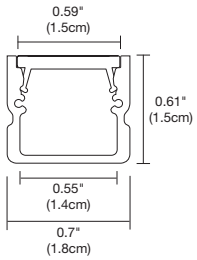
(CW) LCS.6 Light Channel Clear Lens with White Louver

(CB) LCS.6 Light Channel Clear Lens with Black Louver (not shown)

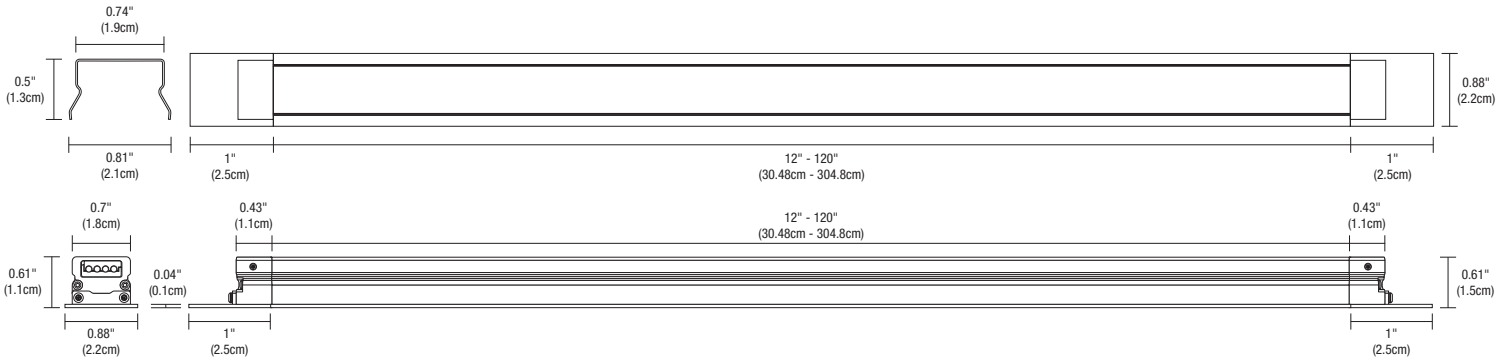


(DB) LCS.6 Light Channel Diffused Lens with Black Louver

(DW) LCS.6 Light Channel Diffused Lens with White Louver (not shown)



System		Length in Feet		Lens		Finish
LCS.6	–	**10FT**	–	**D**	–	**SA**
LCS.6 Light Channel 0.6" Surface Mount		**2FT** 2 Feet **4FT** 4 Feet **5FT** 5 Feet **8FT*** 8 Feet **10FT*** 10 Feet *ships By Truck (LTL)		**D** Full Diffused Lens **C** Clear Lens **HF** Clear Lens Half Frost **DW** Diffused Lens with White Louver **DB** Diffused Lens with Black Louver **CW** Clear Lens with White Louver **CB** Clear Lens with Black Louver		**SA** Satin Aluminum



Power Consumption per Linear Foot: Maximum length before refeeding

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	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	90	93	96

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	5	10	15	20	24	29	34	39	44	48	53	58	63	68	72	77	82	87	92	96

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	8	15	22	30	37	44	52	59	66	74	81	88

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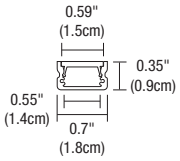
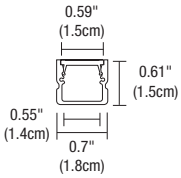
Indoor 24VDC LED Stomp Strip Compatible Channels: 24VDC LED Stomp Strips can be installed as a single strip or installed within a compatible channel with lens. See Light Channel spec sheets at www.pureedgelighting.com/product/cabinet_lighting_shelf_lighting/surface_mount.

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

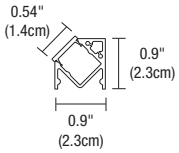
SURFACE MOUNT LIGHT CHANNELS: Recommended applications* — Cove, pathway, toe-kick, undercabinet, and shelves



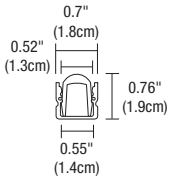
LCS.3 Light Channel



LCS.6 Light Channel

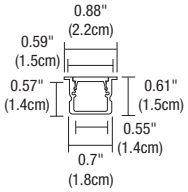


LC45 Light Channel 45°

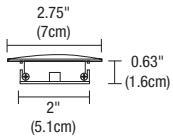


LCMG Light Channel Micro Grazer

RECESSED LIGHT CHANNELS: Recommended applications* (Recessed into drywall or wood)** — Coves, pathways, toe-kicks, undercabinets, and shelves

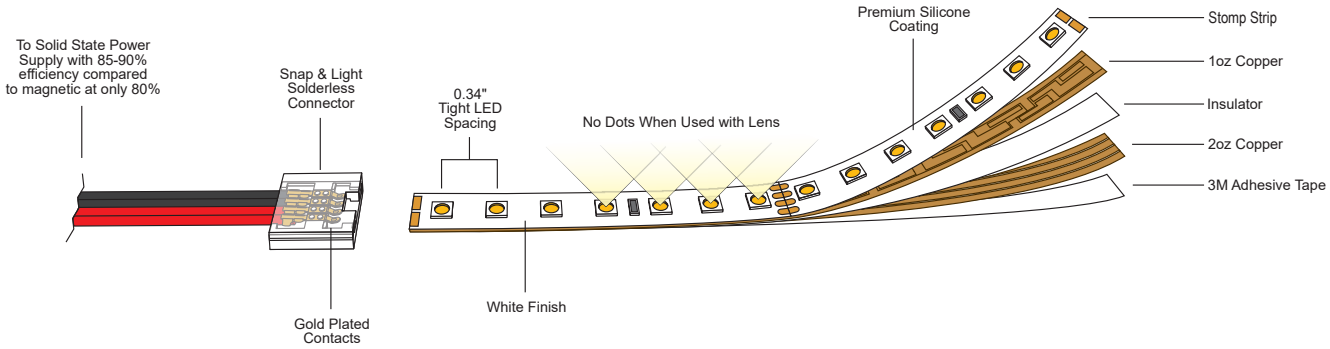


LCMW.6 Light Channel Millwork



LCT1.6 Light Channel Trim

Power Consumption per Linear Foot: Maximum length before refeeding



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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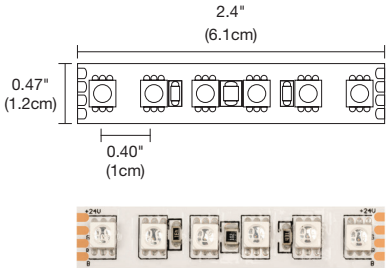
REQUIRED COMPONENTS: Select 24VDC LED Soft Strip based on desired color temperature and application.

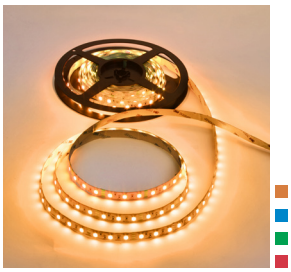


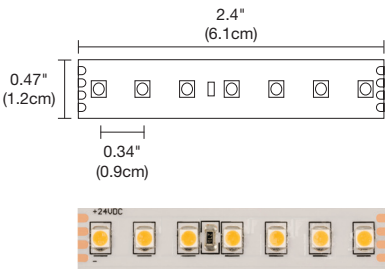
DYNAMIC COLOR CHANGING RGB

Dynamic Color Changing RGB Soft Strip consumes 5 watts per linear foot. RGB provides dynamic color changing effects with RED/GREEN/BLUE LEDs. SS5 RGB Soft Strip uses DMX power supplies.

System	Voltage	Length in Feet	Color Temperature
SS5	24V	20	RGB

SS5 LED Soft Strip Special Application 5 watts per foot
24V 24 Volt
1-20 1 - 20 feet
RGB Red/Green/Blue Dynamic Color RGB





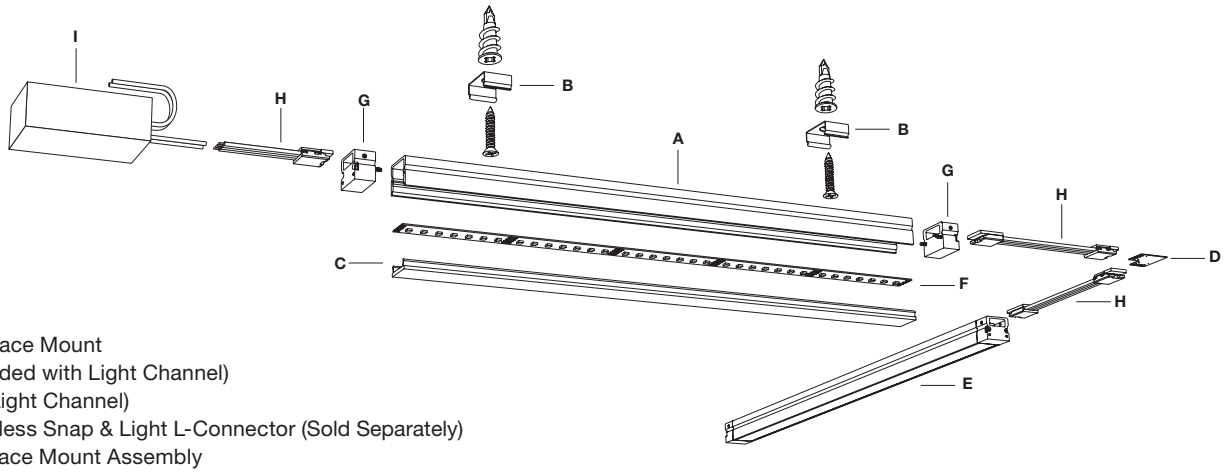
MONOCHROMATIC STATIC COLOR

Monochromatic Static Color offers a variety of color options for special applications or special lighting effects in which static colors are used. Consumes 4.8 Watts of power per linear foot. Powered using; UNI-POWER, 0-10V or ELV power supply options.

System	Voltage	Length in Feet	Color Temperature
SS5	24V	36	AAA

SS5 LED Soft Strip Special Application 4.8 watts per foot
24V 24 Volt
1-36 1 - 36 feet
RRR Red Static Color Monochromatic
GGG Green Static Color Monochromatic
BBB Blue Static Color Monochromatic
AAA Amber Static Color Monochromatic

LIGHT CHANNEL .6 SURFACE MOUNT BIY SYSTEM OVERVIEW



A. Light Channel .6 Surface Mount
B. Mounting Clips (Included with Light Channel)
C. Lens (Included with Light Channel)
D. Light Channel Solderless Snap & Light L-Connector (Sold Separately)
E. Light Channel .6 Surface Mount Assembly
F. 24VDC LED Stomp Strip (Sold Separately)
G. End Caps (Sold Separately)
H. Light Channel Solderless Snap & Light Power (Sold Separately)
I. Remote Power Supply (PSB-60W-ELV-24VDC shown)

PROJECT		FIXTURE TYPE		DATE	

STOMP STRIP SNAP AND LIGHT

(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

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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.

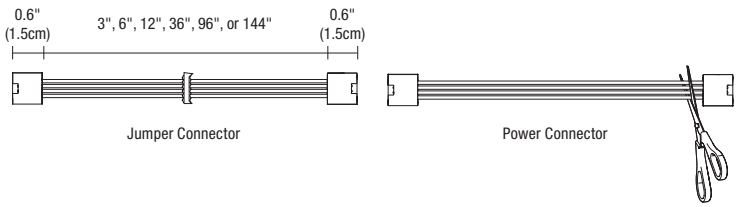
1. Cut the middle of joining contacts

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

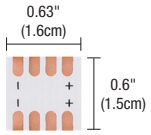
Join 2 cut sections of LED Stomp Strip end to end. Use as a power connector is required. Use as a jumper connector is optional. To use as a power connector cut and strip the wires.

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



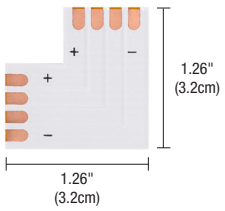
SOLDERLESS SNAP & LIGHT STRAIGHT JOINER

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



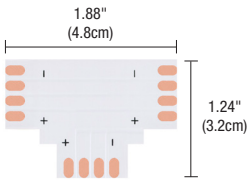
SOLDERLESS SNAP & LIGHT L-CONNECTOR

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



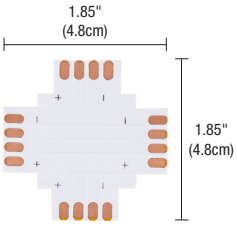
SOLDERLESS SNAP & LIGHT T-CONNECTOR

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

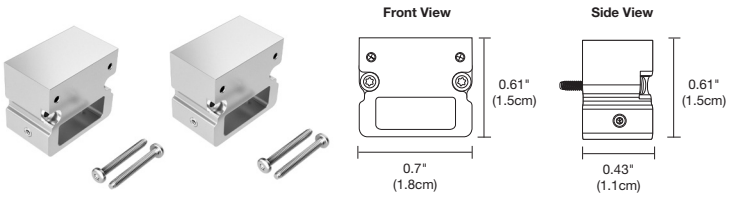
SLX Snap & Light X-Connector

PROJECT		FIXTURE TYPE		DATE	

LIGHT CHANNEL 0.6 DIY SURFACE MOUNT WITH STOMP STRIP

24VDC, LED STATIC WHITE & COLOR, WARM DIM, RGB & TUNABLE WHITE

REV 09.15.21



END CAPS

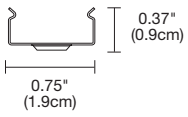
End Caps are sold in pairs and provide a finished look at the end of a run as well as hold the required power connector.

System	Product	Type	Finish
LCS.6	SLC	CA	SA

LCS.6 Light Channel 0.6" Surface Mount
SLC Snap and Light Connector
CA End Caps
SA Satin Aluminum

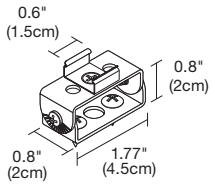
ACCESSORIES: Order based on lighting design or as replacement parts.

LCS.6-MCL

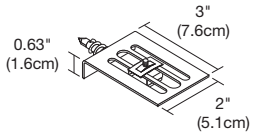


LCS.6-MCL

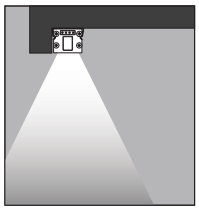
LCS.6-MCL-075



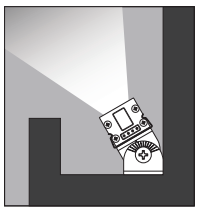
LCS.6-MCL-075



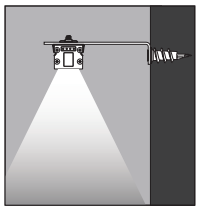
LCS.6-MCL-90



SHOWN WITH LCS.6-MCL



SHOWN WITH LCS.6-MCL-075



SHOWN WITH LCS.6-MCL-90

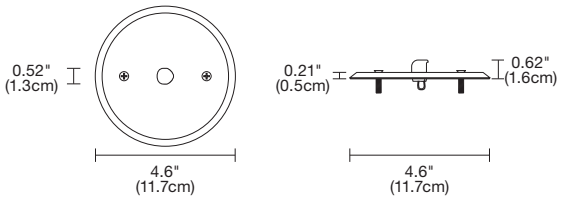
MOUNTING CLIPS

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75 degrees. LC-MCL-90 mounts Light Channel at a 90 degree angle.

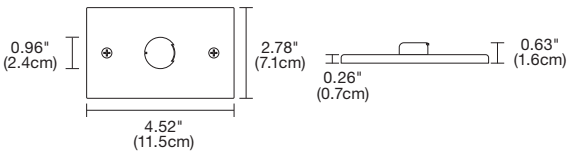
System	Product	Type
LCS.6	MCL	Standard (Leave Blank)

LCS.6 Light Channel 0.6" Surface Mount
MCL Mounting Clip
075 Adjusts 0-75°
90 Mounts at 90°

4RD-WH



3RE-WH



CANOPY COVER & SPLICE BOX

Use for remote located power supply. The 3 inch rectangle or 4 inch round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.

Product	Finish
3RE	WH

3RE 3 Inch Rectangle Canopy Cover
4RD 4 Inch Round Canopy Cover
WH White

PROJECT		FIXTURE TYPE		DATE	

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V FOR STATIC WHITE, WARM DIM

REV 09.15.21

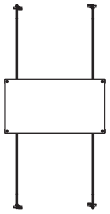
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS				
ORDERING CODE	**PSB-40W-UNI-24VDC**	**PSB-60W-UNI-24VDC**	**PSB-2X40W-UNI-24VDC**	**PSB-2X60W-UNI-24VDC**
SPECIFICATIONS				
MAXIMUM LOAD	40W	60W	2X40W	2X60W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
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

- 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.

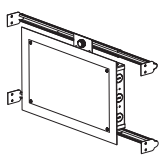
*Title 24 with JA8 listed PureEdge products and systems

*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.



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

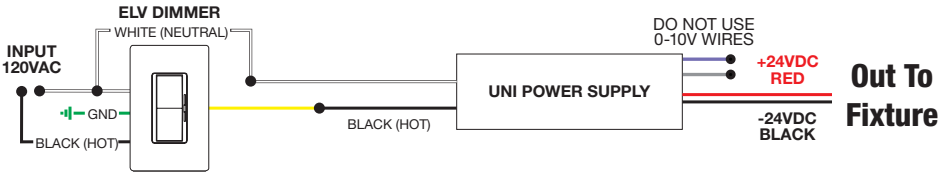
Ordering Codes 8.5" x 14.25": PSB-2X40W-UNI-24VDC-IW, PSB-2X60W-UNI-24VDC-IW, PSB-2X96W-UNI-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

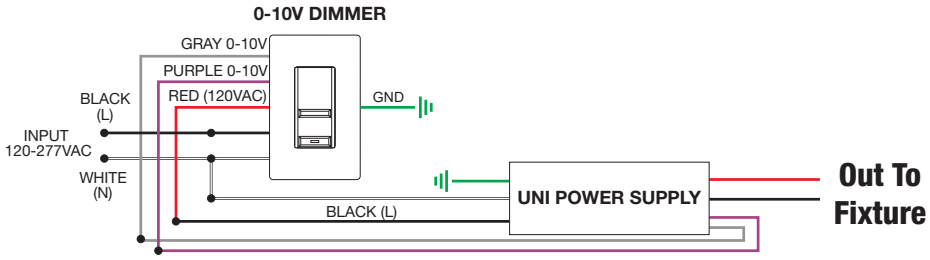
Application: ELV dimming for Static White and Warm Dim

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



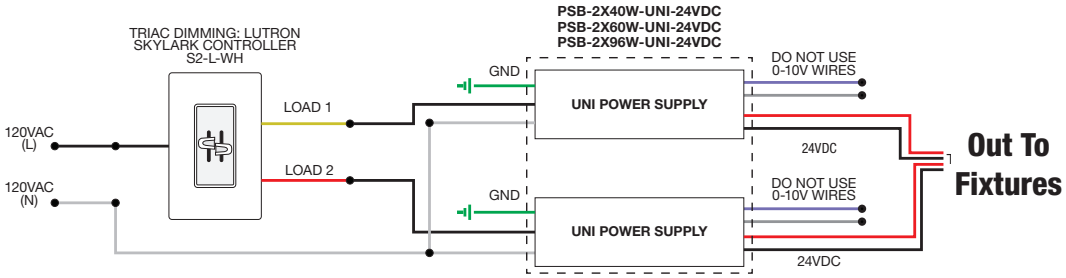
Application: 0-10V dimming for Static White

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	

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, ELECTRONIC LOW VOLTAGE FOR STATIC WHITE, WARM DIM

REV 09.15.21

	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**

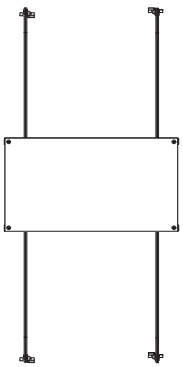
	ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†‡		
ORDERING CODES	**PSB-2X100W-ELV-24VDC**	**PSB-3X100W-ELV-24VDC**	**PSB-4X100W-ELV-24VDC**
	SPECIFICATIONS		
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" 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

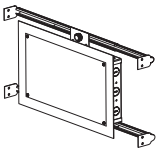
With N-Lite Dimming Do Not use ELV power supplies, use only 0-10 volt or Uni drivers power supplies

**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

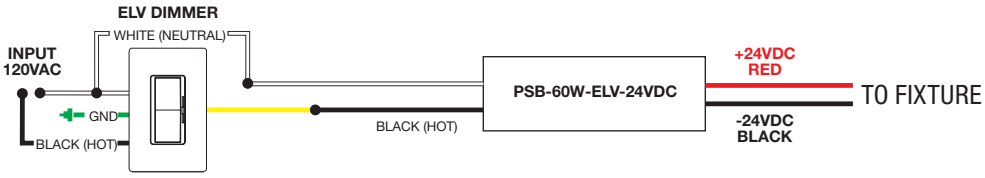
Ordering Codes 8.5" x 14.25": PSB-2X60W-ELV-24VDC-IW
PSB-2X100W-ELV-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

SAMPLE WIRING DIAGRAMS 24VDC ELV

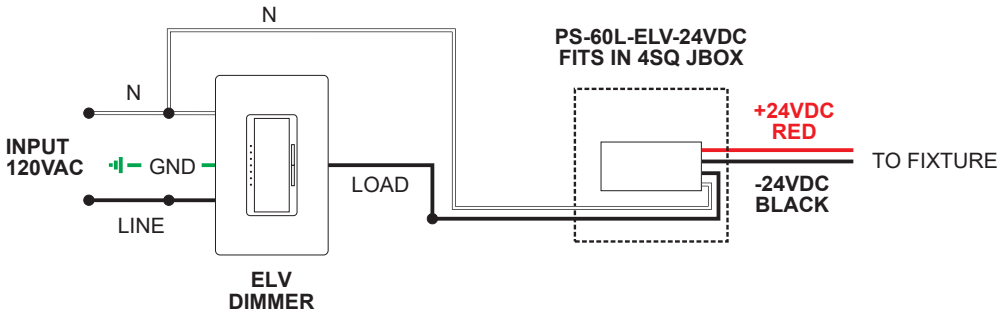
Application: ELV dimming for Static White

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



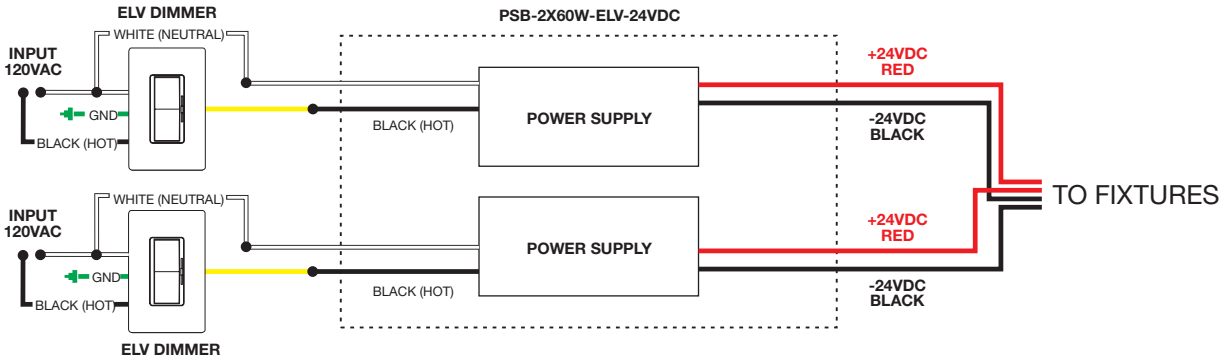
Application: ELV dimming for Static White

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



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



PROJECT		FIXTURE TYPE		DATE	

INDOOR CONSTANT VOLTAGE 0-10V REMOTE POWER SUPPLIES

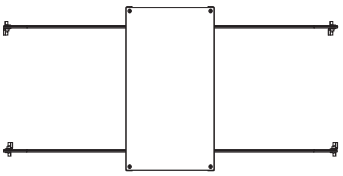
24VDC, 0-10V FOR STATIC WHITE, WARM DIM

REV 09.15.21

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	•	•	•

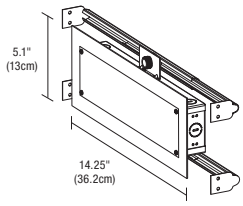
- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power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



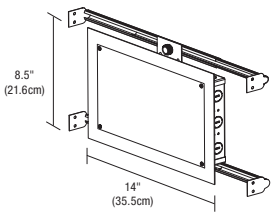
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

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" 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" 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	

INDOOR CONSTANT VOLTAGE 0-10V REMOTE POWER SUPPLIES

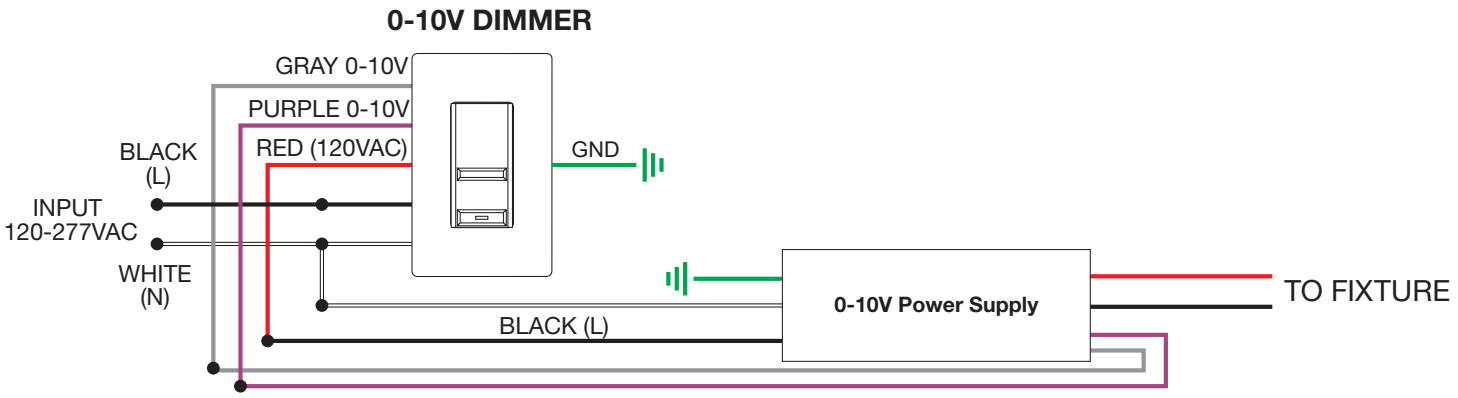
24VDC, 0-10V FOR STATIC WHITE, WARM DIM

REV 09.15.21

SAMPLE WIRING DIAGRAMS 24VDC 010

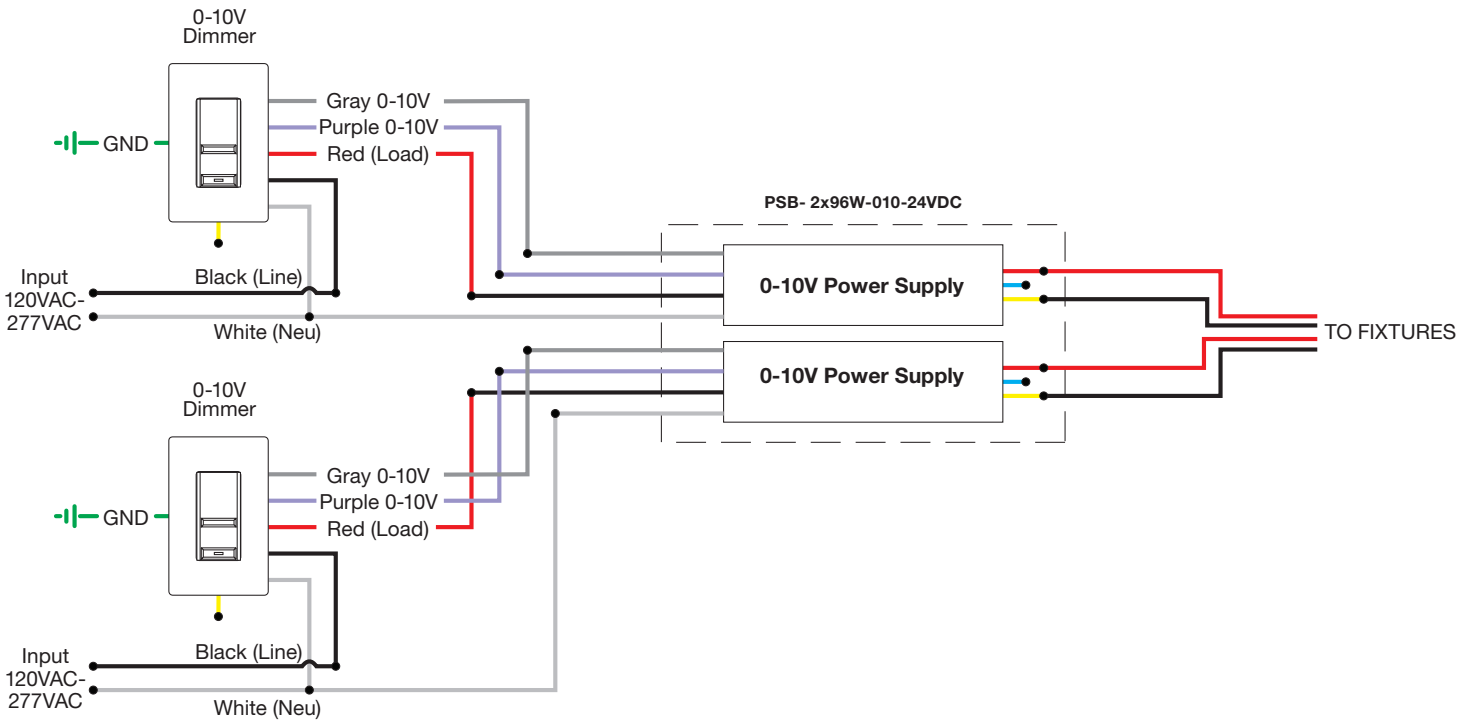
Application: 0-10V Dimming Applications For Static White and Warm Dim

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)



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)



PROJECT		FIXTURE TYPE		DATE	

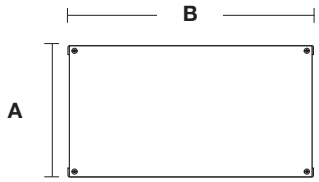
INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY

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

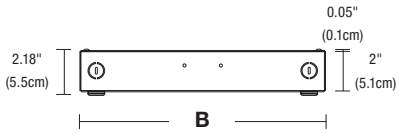
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 09.15.21

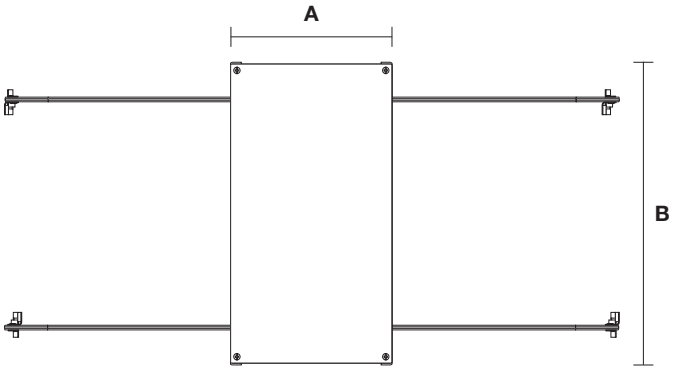
PSB-96W-010-24VDC-2XK



TOP VIEW



SIDE VIEW



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 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

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

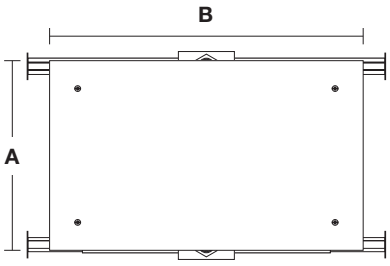
24VDC 24 Volt DC

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"

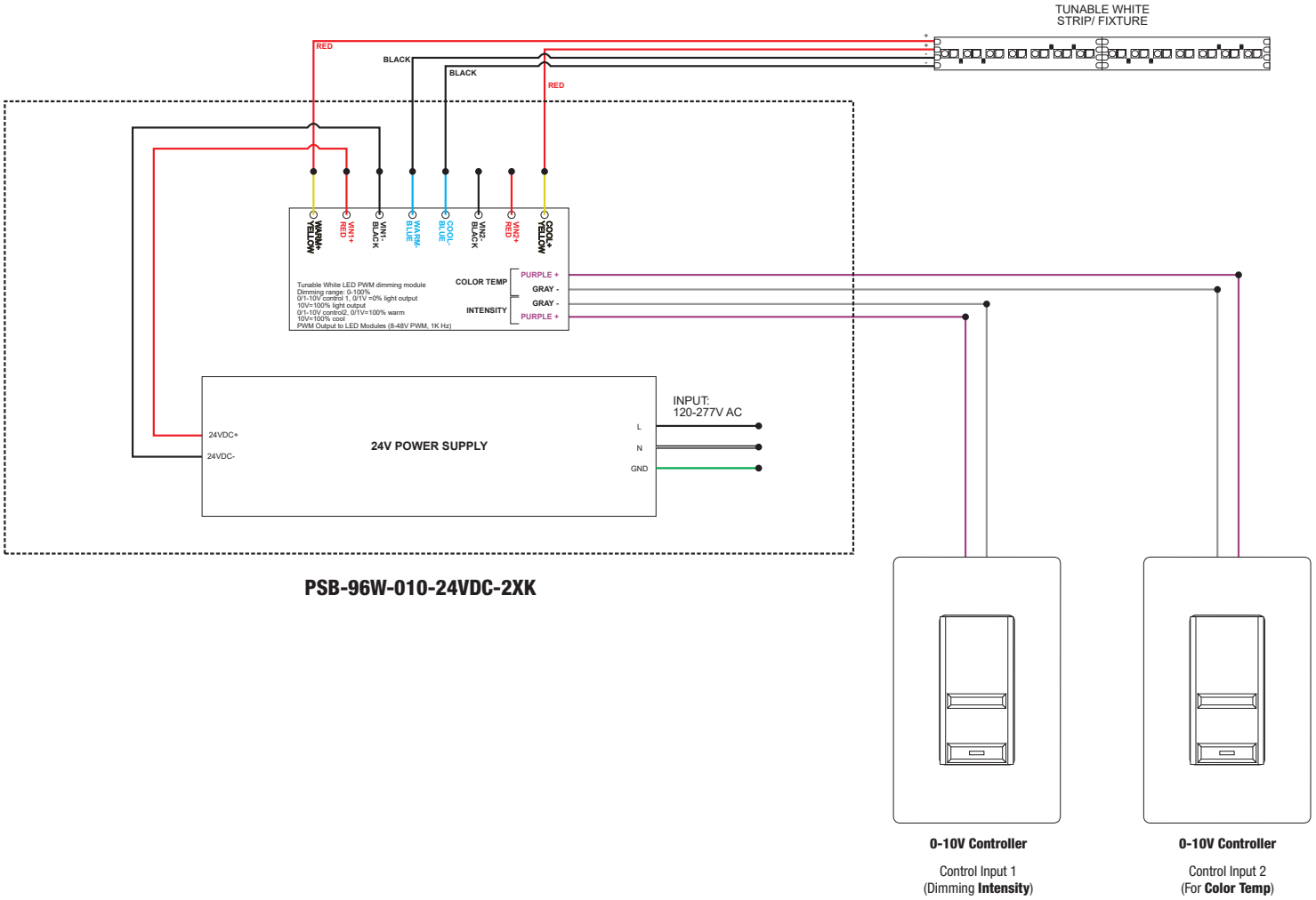
PROJECT		FIXTURE TYPE		DATE	

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

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

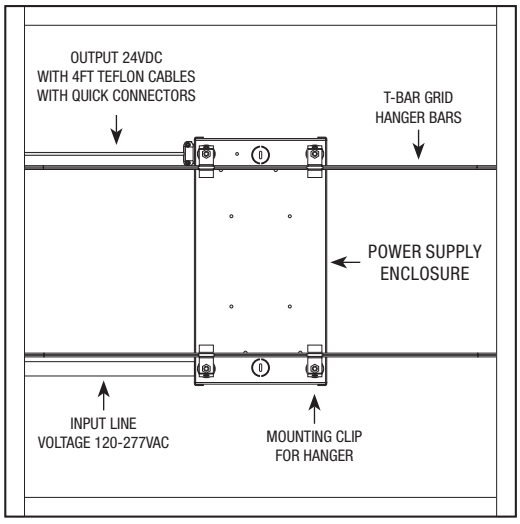
REV 09.15.21

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



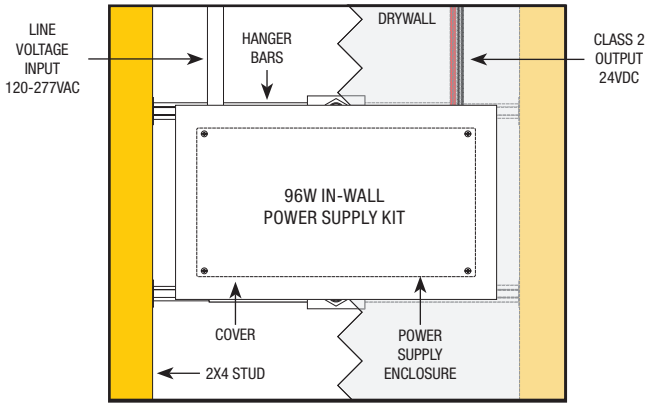
PSB-96W-010-24VDC-2XK

T-BAR GRID CEILING



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

IN WALL KIT



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

PROJECT		FIXTURE TYPE		DATE	

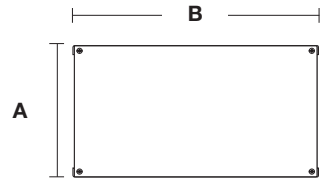
PSB-_X100W-24VDC

24 VOLT DC, NON-DIMMING POWER SUPPLY

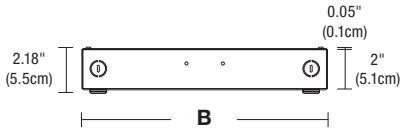
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 09.15.21

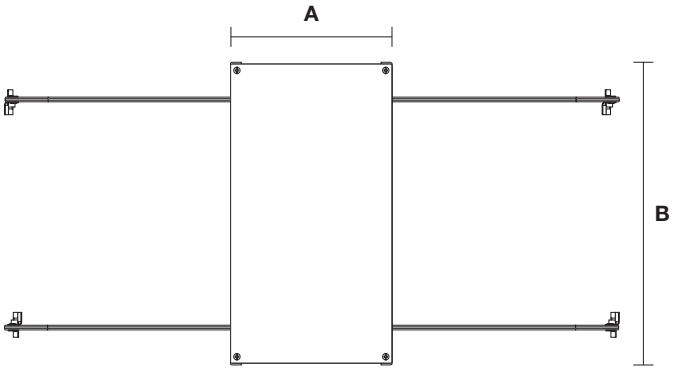
PSB-2X100W-24VDC



TOP VIEW



SIDE VIEW



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"

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

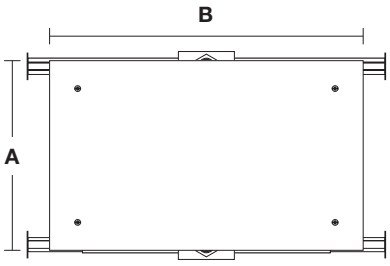
COMPLIANCE

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 **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

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	

INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, LUTRON ECOSYSTEM

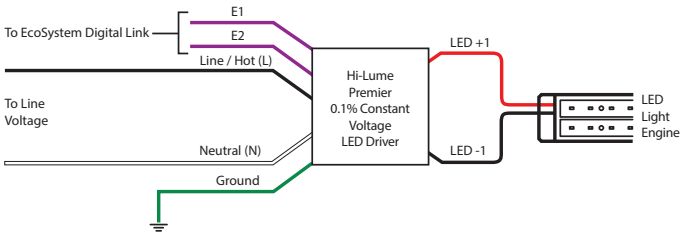
REV 09.15.21

	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	•	•	•

†22K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies.

*Title 24 compliant when used with JA8 listed PureEdge systems.

WIRING DIAGRAM FOR LTEA4U1UKL-CV240 OR L3D0-96W24V-U ECOSYSTEM DIGITAL LINK



COMPATIBLE DIMMERS FOR LTEA4U1UKL-CV240 OR L3D0-96W24V-U ECOSYSTEM DIGITAL LINK

Product	Model Number		Drivers Per Control	Recommended System Version[2]
	120V	277V		
PowPak Dimming Module with EcoSystem	RMJ-EC032-DV-B URMJ-EC032-DVB		32 Per EcoSystem link	5.9 or Higher
PowPak Wireless Fixture Control with EcoSystem[1]	FJC-ECO FJCS-ECO		3 Per EcoSystem link	0796554 or Higher
Energi Savr Node unit with EcoSystem	QSN-1ECO-S, QSN-2ECO-S, QSN-2ECO-PS120, UQSN-1ECO-S, UQSN-2ECO-S,		64 Per EcoSystem link	9.027 or Higher
GRAFIK Eye QS unit with EcoSystem	QSGRJ-_E- QSGR-_E-	-	64 Per EcoSystem link	9.009 or Higher
Quantum Light Management Hub	AYF-103P-	-	64 Per EcoSystem link	3.2 or Higher[3]
Homeworks QS with EcoSystem	LQSE-2ECO-D- QSGRJ-_E- QSGR-_E-	-	64 Per EcoSystem link	10 or Higher[4]

1: All devices connected to one PowPak Wireless Fixture Control will be controlled together. Devices will dim to the same level as the result of a control command. The wireless fixture control will need to have it's low end level reprogrammed to dim to 0.1% output. For more details on adjusting low end light level refer to Application Note #556 at www.Lutron.com
2: For lower system versions please visit www.Lutron.com/LEDsystemcheck to check if your system requires changes
3: Version 3.1 (or later) is required to dim lower than 1%
4: Version 7.0 (or later) is required to dim lower than 1%

PROJECT		FIXTURE TYPE		DATE	

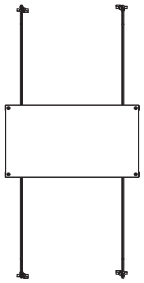
INDOOR DMX RGB/RGBW 24VDC CONSTANT VOLTAGE

24VDC WITH DMX DRIVER, RGB & RGB+W

REV 09.15.21

COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS				
ORDERING CODE	**PSB-100W-24VDC-RGB**	**PSB-2X100W-24VDC-RGB**	**PSB-3X100W-24VDC-RGB**	**PSB-4X100W-24VDC-RGB**
SPECIFICATIONS				
MAXIMUM LOAD	100W	2X100W	3X100W	4X100W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.14" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
T-BAR MOUNTING	**PSB-100W-24VDC-RGB-TB**	**PSB-2X100W-24VDC-RGB-TB**	**PSB-3X100W-24VDC-RGB-TB**	**PSB-4X100W-24VDC-RGB-TB**
IN-WALL MOUNTING	**PSB-100W-24VDC-RGB-IW**	N/A	N/A	N/A
DIMMING & CONTROLS				
TOUCH SCREEN CONTROLLER (CTP)	•	•	•	•
COLOR DIAL CONTROLLER (CDP)	•	•	•	•
DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)	•	•	•	•

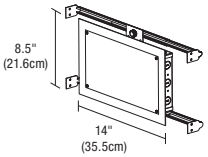
RECOMMENDED CONTROLLERS



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.

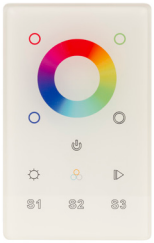
ORDERING CODES: PSB-100W-24VDC-RGB-TB
PSB-2X100W-24VDC-RGB-TB
PSB-3X100W-24VDC-RGB-TB
PSB-4X100W-24VDC-RGB-TB

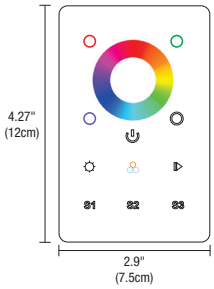


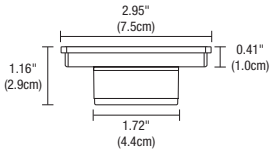
8.5" X 14" IN-WALL MOUNTING KIT

Includes Power Supply, Box Cover, and Stud Hangers for installing Junction Box in wall. Use ordering code in the In-Wall Mounting row of the specification table if an In-Wall Mounting Kit is needed.

ORDERING CODES: PSB-100W-24VDC-RGB-IW







DESCRIPTION

Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 1 zone controller can adjust RGB & RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications only, and includes a Power Adapter to operate the controller.

APPLICATIONS

Indoor

INSTALLATION

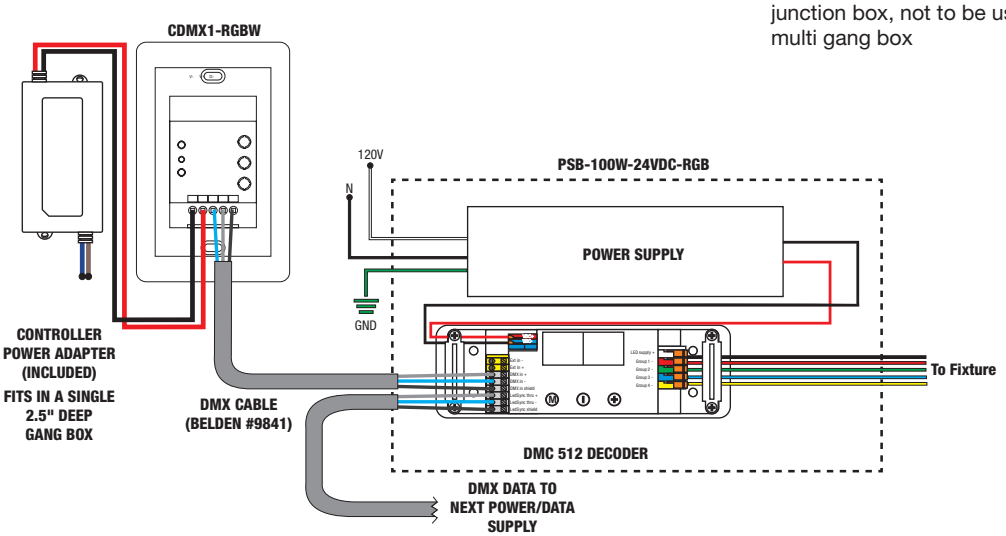
Fits in a single gang 2.5 inch deep junction box, not to be used with a multi gang box

POWER INPUT

120-277VAC

OUTPUT SIGNAL

USITT DMX 512 (1990)



Product		Type		Finish
CDMX1	–	**RGBW**	–	**WH**
CDMX1 DMX 1 Zone Touch Controller		**RGBW** RGB & RGBW		**WH** White

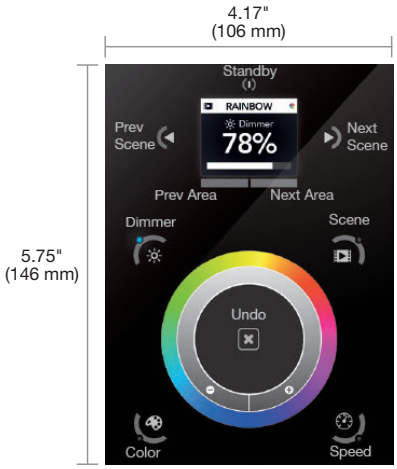
PROJECT		FIXTURE TYPE		DATE	

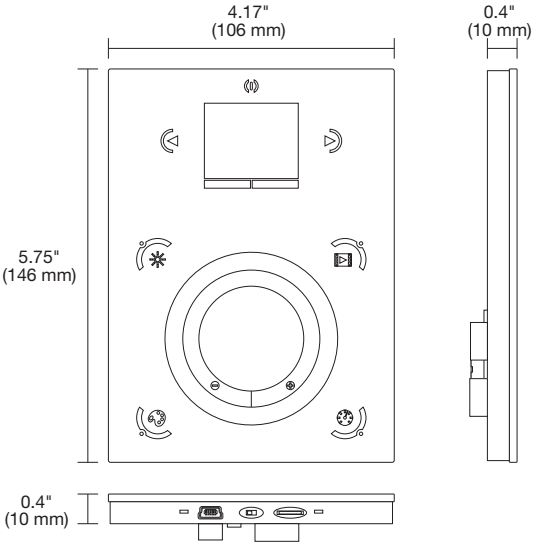
RGB RGBW

CTP

COLOR TOUCH SCREEN CONTROLLER WITH POWER ADAPTER, RGB & RGB+W

REV 09.15.21





DESCRIPTION

Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 10 zone controller can adjust RGB and RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications only, and includes a Power Adapter to operate the controller.

FEATURES AND BENEFITS

KEY FEATURES:

- Sleek glass design which sits 11mm from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control
- RS232, Dry Contact Ports and an Infra Red input port
- Clock and calendar with Sunrise/Sunset triggering
- Network communication. Control lighting remotely
- Catalog of designs including black and white glass
- OEM customization of the color palette and logo
- Windows/Mac software to set dynamic colors/effects
- iPhone/iPad/Android remote and programming apps

APPLICATIONS

Indoor

POWER ADAPTER

9VDC 0.65A (included)

POWER INPUT

7VDC 0.6A

OUTPUT SIGNAL

DMX512 1,024 channels total

INPUT SIGNAL

Universal IR receiver (Sold Separately), RS232, Contact Closure, Live Computer Link, DMX512, WiFi

CONNECTIONS

USB, Ethernet, RS232, Clock, 8 dry contact ports, open drain output

MEMORY

microSD (32GB Max)

COMPUTER AND MOBILE DEVICE REQUIREMENTS

IPHONE/IPAD/ANDROID:

The controller may be used with any of the following apps: DMX Lightpad 3, Easy Remote and Arcolis may be downloaded from App Store or Google Play.

ESA PRO SOFTWARE (WINDOWS ONLY, TIMELINE AND MULTI-ZONE):

Windows ME, XP, Vista, 7 or 8 (32 bits and US 2.0, computer connection required for initial setup only.)

ESA2 SOFTWARE (WINDOWS/MAC, SINGLE ZONE):

Windows ME, XP, Vista, 7 or 8
Mac OS X 10.7 (Lion), 10.8 (Mountain lion), 10.9 (Mavericks), 10.10 (Yosemite)

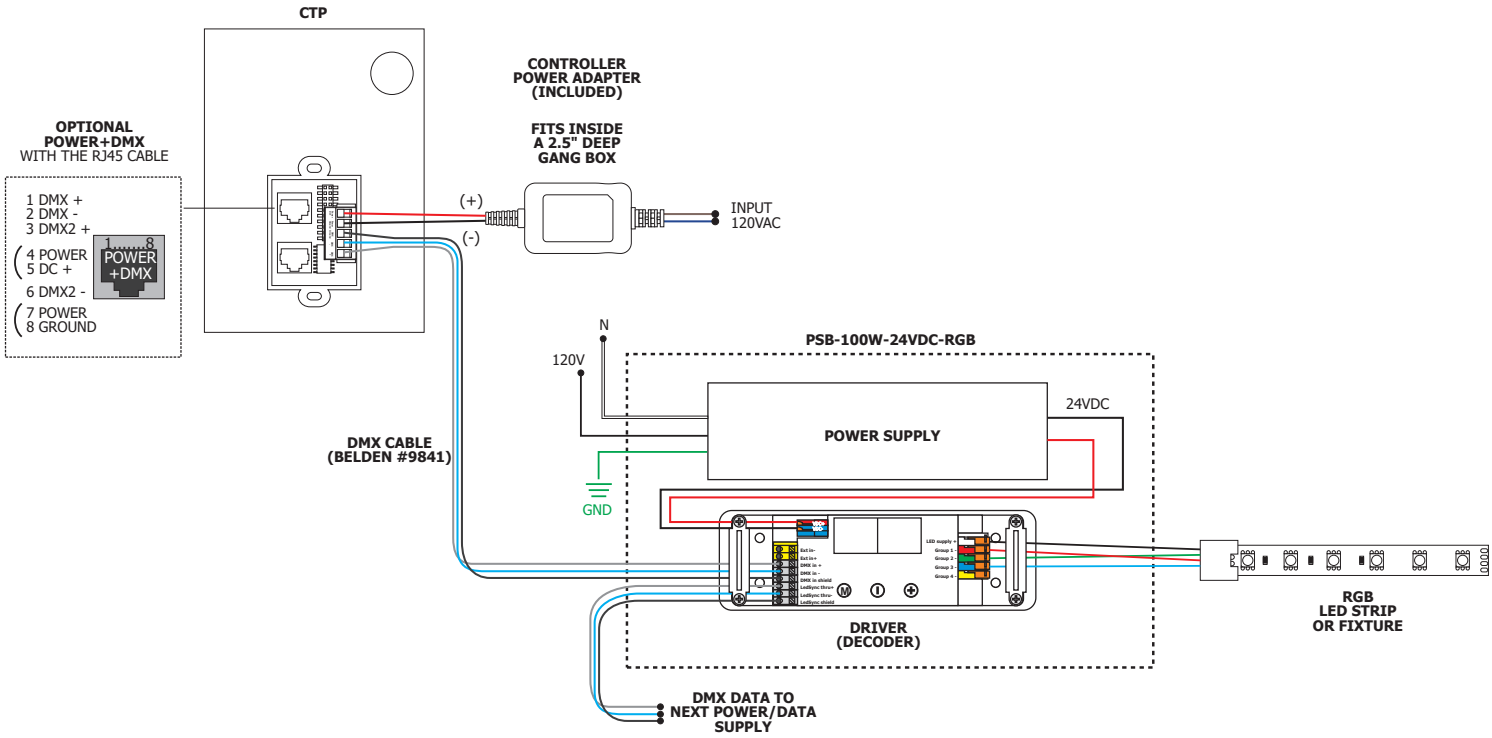
Product		Finish
CTP	-	BK

CTP Color Touch Screen Controller with Power Adapter

BK Black
WH White

PROJECT		FIXTURE TYPE		DATE	

RGB Wiring Diagram



PROJECT		FIXTURE TYPE		DATE	

LED STRIP TM30 DATA

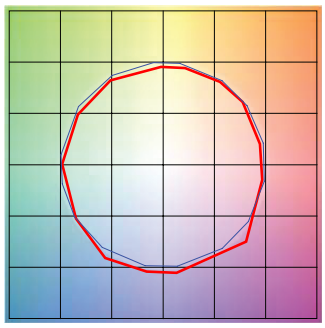
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 09.15.21

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

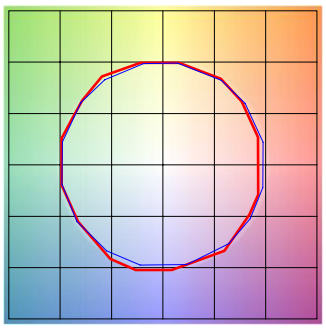
Color Vector Graphic



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

2700D | Rf: 90.7 | Rg: 101.1

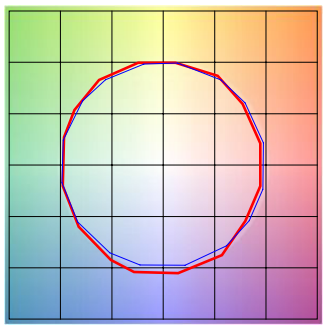
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

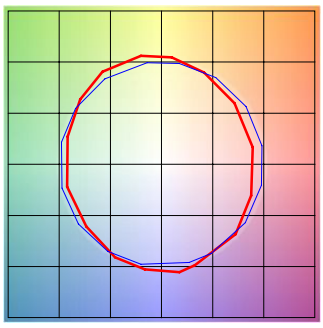
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

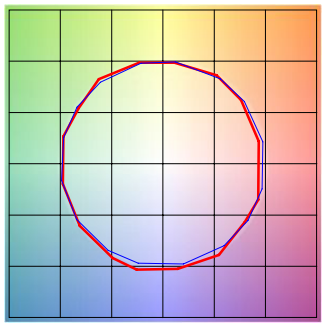
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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+

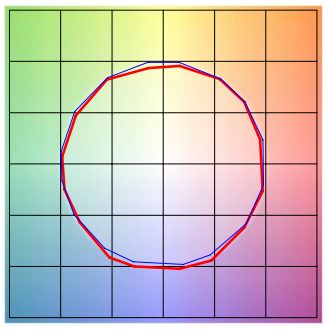
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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	

LED STRIP TM30 DATA

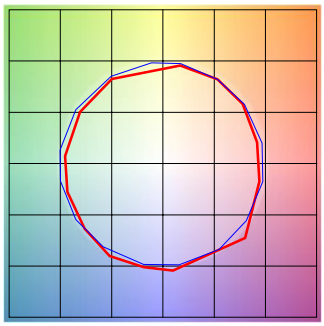
(2.5W, 5W & 7W) 24VDC STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 09.15.21

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

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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	

TM30 DATA

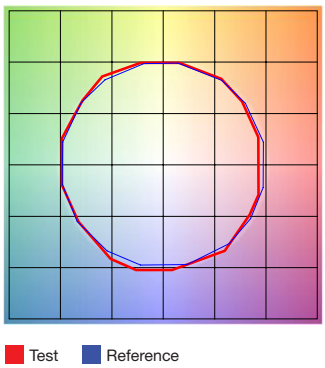
24VDC, LED STATIC WHITE & COLOR, WARM DIM, RGB & TUNABLE WHITE

REV 09.15.21

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.

2700D | Rf: 90.7 | Rg: 101.1

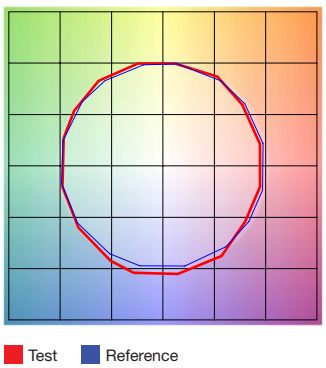
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

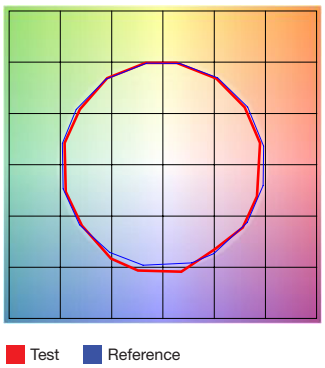
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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) | Rf: 90.6 | Rg: 98.5

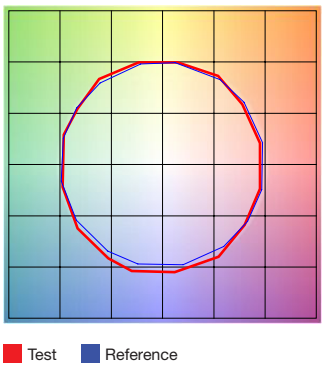
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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 (2K6K) | Rf: 90.5 | Rg: 100.7

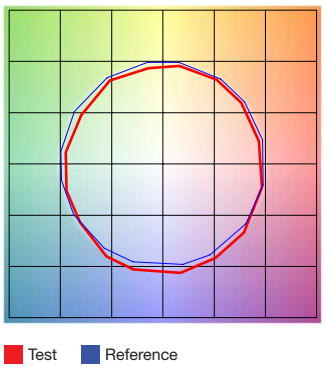
Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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 (2K6K) | Rf: 86.4 | Rg: 96.1

Color Vector Graphic



		GRAPHIC SHIFTS %	
HUE BIN	Rf	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%

PROJECT		FIXTURE TYPE		DATE	