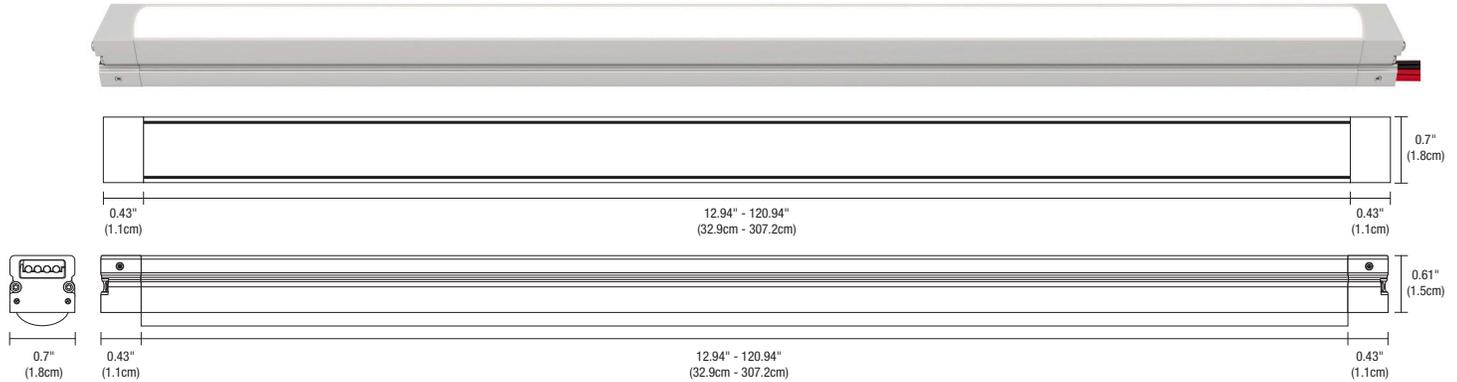


# LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER SURFACE MOUNT

24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 09.07.21



## DESCRIPTION

- Light Channel 0.6" Micro Grazer is a made-to-order complete fixture, purchased in nominal increments of 2", 3", 5", 8" and 10". Light Channels may be ordered from 12" all the way up to 120" (10'). For longer continuous runs, see DIY spec sheet.

## FEATURES AND BENEFITS

- 24VDC LED Strip provides up to 94+ CRI values offers excellent Designer Luxury Grade color rendering and fits inside a slim profile aluminum extrusion
- Low voltage up to 100 watt. Class 2 wiring, eliminates the need for conduit
- Power Consumption Options: 2.5W | 4.4W | 4.8W | 7.3W per foot
- 7 LEDs per cutting increment provides 87.5% efficiency compared to six LEDs at only 75%. Solid State Power Supply offer 85-90% efficiency compared to magnetic at 80%. The combination of seven LEDs and a Solid State Power Supply increases the efficiency up to 22%.

## LENS OPTIONS

- (C)** Clear Lens provides maximum illumination use of a 7° transparent clear lens, LEDs diodes will show.
- (L)** Linear Frosted Lens projects some LED dotting through a 20° Beam Angle Lens

## INCLUDED COMPONENTS

- 96" of Solderless Snap & Light Power Connector (Included 1 per fixture). Order extra as needed based on your installation requirements.
- Mounting Clips (Included with every 2' of Channel)

## ACCESSORIES (SOLD SEPARATELY)

- Mounting Clips (Included with every 2' of Channel)
- Solderless Snap & Light Power/Jumper Connector
- Solderless Light Channel Connectors L, T or X

## 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**)<sup>†</sup>
- 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

## APPLICATIONS

- Energy efficient LEDs provide maximum light levels for task and general illumination
- Wall grazing
- Tunable Variable White Human Centric Lighting
- Warm Dim / Dim-to-Warm

Product	Wattage	Nominal Size	Lens & Color Temperature				Finish
<b>LCMG.6</b>	<b>5W</b>	<b>60</b>	<b>L</b>	<b>22K</b>			<b>SA</b>
<b>LCMG.6</b> Light Channel .6 Surface Mount Micro Grazer	<b>5W</b> 4.4 watts <b>7W</b> 7.3 watts	<b>12-120</b> Order in 12" increments up to 120". May be ordered in 3", 5", 8" or 10" increments.	<b>L</b> Linear Frost <b>C</b> Clear Lens	<b>20K</b> 2000K Sunset <b>22K</b> 2200K Amber White <b>24K</b> 2400K Very Warm White <b>27K</b> 2700K Incandescent White <b>27D</b> 2700K to 2000K Warm Dim (5 Watt Only) <b>30K</b> 3000K Warm White	<b>30D</b> 3000K to 2000K Warm Dim (5 Watt Only) <b>35K</b> 3500K Neutral White <b>40K</b> 4000K Cool White <b>57K</b> 5700K Daylight White <b>2K6K</b> Tunable White 2000K-6500K <b>27K6</b> Tunable White 2700K-6500K	<b>RGB</b> Red, Green, Blue (5W only) <b>RRR</b> Red Static Color Monochromatic (5W only) <b>GGG</b> Green Static Color Monochromatic (5W only) <b>BBB</b> Blue Static Color Monochromatic (5W only) <b>AAA</b> Amber Static Color Monochromatic (5W only)	<b>SA</b> Satin Aluminum <b>XX</b> Custom finishes Available

PROJECT		FIXTURE TYPE		DATE	
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 24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

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**INCLUDED COMPONENTS:** Lens options and lamp data for indoor Light Channel .6 Micro Grazer



**C** LCMG.6 Light Channel 7° Clear Lens

Clear 7° Lens provides maximum light levels and will show LED dots



**L** LCMG.6 Light Channel 20° Linear Frosted Lens

Linear Frosted Lens projects 20° lines of light, some LED dotting

Lamp Life is 50,000 hours

LIGHT CHANNEL .6 MICRO GRAZER																
STATIC WHITE & WARM DIM DIFFUSER LENS																
DESCRIPTION	5W (4.4 watts)									7W (7.3 watts)						
WATTS PER FOOT																
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	360	360	364	416	379	433	435	459	486	557	557	562	586	672	709	750
LUMENS PER WATT (lm/w)	82	82	83	87	86	90	99	104	110	76	76	77	80	92	97	103
RF	83.9	85.2	87.7	89.9	88.1	89.7	86.1	87.6	80.3	83.9	85.2	87.7	88.1	86.1	87.6	80.3
RG	94.9	97.4	96.1	99.1	99.7	99.3	96.8	95.5	91.5	94.9	97.4	96.1	99.7	95.5	96.8	91.5
CRI	85+	90+	95+	92+	95+	92+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+

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

LIGHT CHANNEL .6 MICRO GRAZER																		
DIFFUSER LENS																		
DESCRIPTION	2K6K 5W (4.4 watts)									2K6K 7W (7.3 watts)								
WATTS PER FOOT																		
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	252	263	273	283	294	314	337	340	343	351	368	384	401	417	450	474	479	484
LUMENS PER WATT (lm/w)	55	55	57	59	61	65	70	71	75	55	51	53	56	58	63	66	67	76
RF	90.1	90.1	90.1	90.1	90.1	90.1	90.5	86.6	86.6	90.1	90.1	90.1	90.1	90.1	90.1	90.5	86.6	86.6
RG	99.4	99.4	99.4	99.4	99.4	99.4	100.8	96.4	96.4	99.4	99.4	99.4	99.4	99.4	99.4	100.8	96.4	96.4
CRI	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+

LIGHT CHANNEL .6 MICRO GRAZER														
DIFFUSER LENS														
DESCRIPTION	27K6 5W (4.4 watts)							27K6 7W (7.3 watts)						
WATTS PER FOOT														
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	282	288	299	310	306	304	303	380	389	404	418	414	410	409
LUMENS PER WATT (lm/w)	70	63	65	67	67	66	76	59	54	56	58	57	57	64
RF	90	90	89	89	89	87	87	90	90	90	89	88	88	88
RG	97	97	99	99	99	97	97	99	99	99	99	98	98	98
CRI	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+

**FOOT CANDLE CHARTS**

30K 7° 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	2in	475 FC
18in	3in	214 FC
24in	4in	122 FC
36in	6in	78 FC

30K 7° 7W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	2in	742 FC
18in	3in	319 FC
24in	4in	179 FC
36in	6in	114 FC

30K 20° 5W FROSTED LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	4in	242 FC
18in	6in	107 FC
24in	8in	64 FC
36in	12in	42 FC

30K 20° 7W FROSTED LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	4in	363 FC
18in	6in	143 FC
24in	8in	84 FC
36in	12in	56 FC

\*Foot Candle Data is based off 4' channel.

PROJECT	FIXTURE TYPE	DATE
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**Length Charts:** Actual lengths for Light Channel .6 Micro Grazer

22K, 27K, 30K, 35K, 40K, 57K & TUNABLE WHITE					
Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12.0	12.9	68	67.2	68.1
15	14.4	15.3	70	69.6	70.5
17	16.8	17.7	72	72.0	72.9
20	19.2	20.1	75	74.4	75.3
22	21.6	22.5	77	76.8	77.7
24	24.0	24.9	80	79.2	80.1
27	26.4	27.3	82	81.6	82.5
29	28.8	29.7	84	84.0	84.9
32	31.2	32.1	87	86.4	87.3
34	33.6	34.5	89	88.8	89.7
36	36.0	36.9	92	91.2	92.1
39	38.4	39.3	94	93.6	94.5
41	40.8	41.7	96	96.0	96.9
44	43.2	44.1	99	98.4	99.3
46	45.6	46.5	101	100.8	101.7
48	48.0	48.9	104	103.2	104.1
51	50.4	51.3	106	105.6	106.5
53	52.8	53.7	108	108.0	108.9
56	55.2	56.1	111	110.4	111.3
58	57.6	58.5	113	112.8	113.7
60	60.0	60.9	116	115.2	116.1
63	62.4	63.3	118	117.6	118.5
65	64.8	65.7	120	120.0	120.9

27D, 30D WARM DIM					
Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12.0	12.9	69	69.0	69.9
15	15.0	15.9	72	72.0	72.9
18	18.0	18.9	75	75.0	75.9
21	21.0	21.9	78	78.0	78.9
24	24.0	24.9	81	81.0	81.9
27	27.0	27.9	84	84.0	84.9
30	30.0	30.9	87	87.0	87.9
33	33.0	33.9	90	90.0	90.9
36	36.0	36.9	93	93.0	93.9
39	39.0	39.9	96	96.0	96.9
42	42.0	42.9	99	99.0	99.9
45	45.0	45.9	102	102.0	102.9
48	48.0	48.9	105	105.0	105.9
51	51.0	51.9	108	108.0	108.9
54	54.0	54.9	111	111.0	111.9
57	57.0	57.9	114	114.0	114.9
60	60.0	60.9	117	117.0	117.9
63	63.0	63.9	120	120.0	120.9
66	66.0	66.9			

PROJECT		FIXTURE TYPE		DATE	
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# LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER SURFACE MOUNT

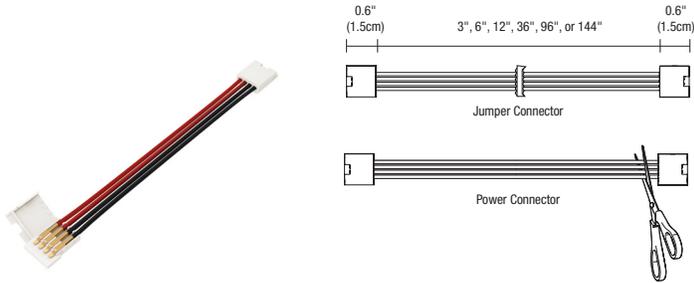
24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

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**ACCESSORIES:** Indoor Light Channel .6 Surface Mount, order based on lighting design or as replacement parts

## 24VDC LIGHT CHANNEL SOLDERLESS SNAP & LIGHT JUMPER/POWER CONNECTOR

Power connector is included, may be ordered as a jumper connector. Join sections of Light Channel using Solderless Snap & Light L, T, or X Connectors below. To use as a power connector cut and strip the wires.



System	Product	Length			
<b>LC</b>	<b>SLC</b>	<b>3IN</b>			
LC Light Channel	SLC Solderless Snap & Light Jumper/Power Connector	<b>3IN</b>	3 Inches	<b>36IN</b>	36 Inches
		<b>6IN</b>	6 Inches	<b>96IN</b>	96 Inches
		<b>12IN</b>	12 Inches	<b>144IN</b>	144 Inches

## LIGHT CHANNEL SOLDERLESS SNAP & LIGHT L-CONNECTOR

Conducts power to 2 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector (sold separately) for use.



System	Product
<b>LC</b>	<b>SLL</b>
LC Light Channel	SLL Snap & Light L-Connector

## LIGHT CHANNEL SOLDERLESS SNAP & LIGHT T-CONNECTOR

Conducts power to 3 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector for use (sold separately).



System	Product
<b>LC</b>	<b>SLT</b>
LC Light Channel	SLT Snap & Light T-Connector

## LIGHT CHANNEL SOLDERLESS SNAP & LIGHT X-CONNECTOR

Conducts power to 4 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector for use (sold separately).



System	Product
<b>LC</b>	<b>SLX</b>
LC Light Channel	SLX Snap & Light X-Connector

PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER SURFACE MOUNT

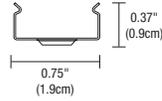
24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

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**ACCESSORIES:** Indoor Light Channel .6 Micro Grazer, order based on lighting design or as replacement parts



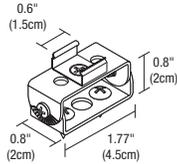
**LCS.6-MCL**



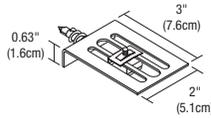
**LCS.6-MCL**

### MOUNTING CLIPS

LC-MCL mounting clips are provided with every 2' of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75°. LC-MCL-90 mounts Light Channel at a 90° angle.

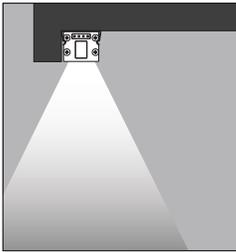


**LCS.6-MCL-075**

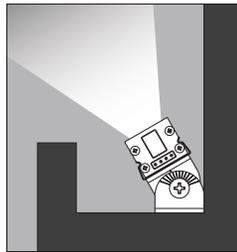


**LCS.6-MCL-90**

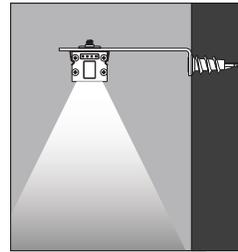
System	Product	Type
<b>LCS.6</b>	<b>MCL</b>	<b>Standard (Leave Blank)</b>
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	<b>075</b> Adjusts 0-75° <b>90</b> Adjusts 90°



**SHOWN WITH LCS.6-MCL**



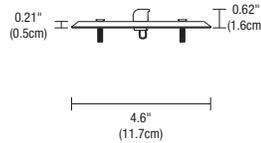
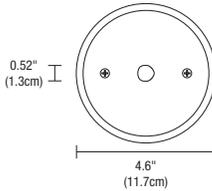
**SHOWN WITH LCS.6-MCL-075**



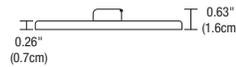
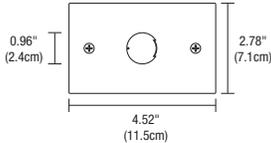
**SHOWN WITH LCS.6-MCL-90**



**4RD-WH**



**3RE-WH**



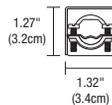
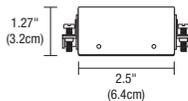
### CANOPY COVER & SPLICE BOX

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
<b>3RE</b>	<b>WH</b>
<b>3RE</b> 3" Rectangle Canopy Cover	<b>WH</b> White
<b>4RD</b> 4" Round Canopy Cover	
<b>1RB</b> 1" Rectangle Splice Box	



**1RB-WH**



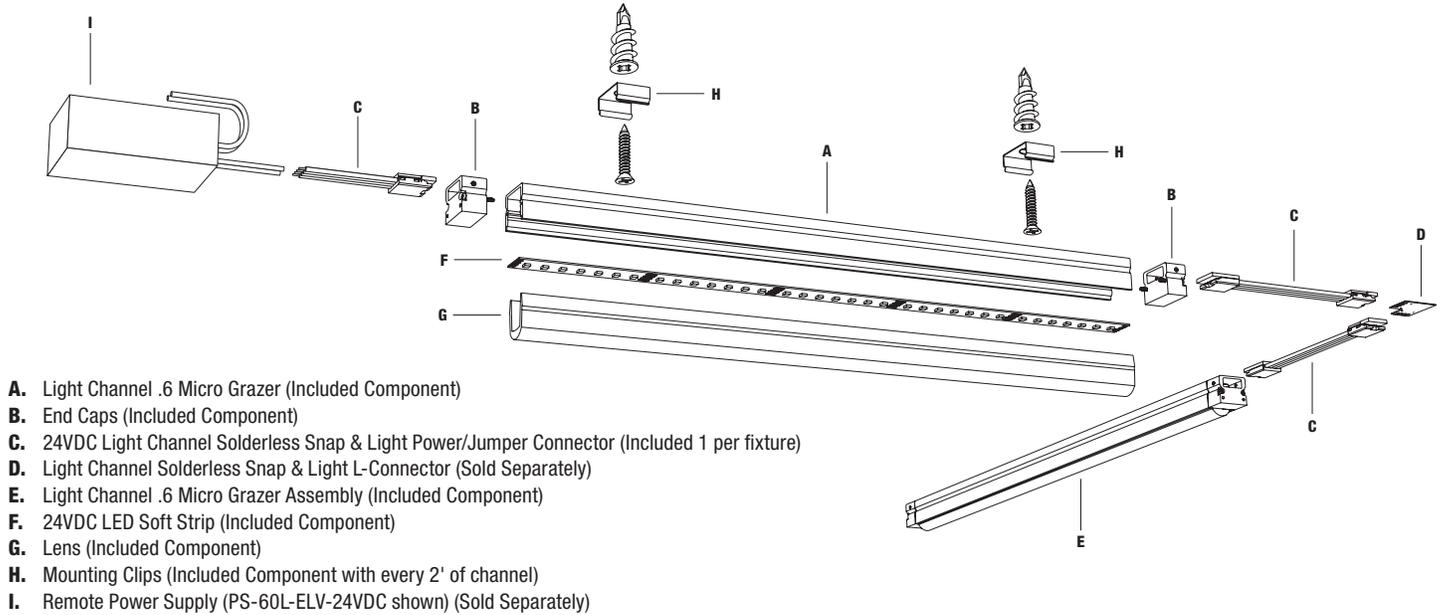
PROJECT	FIXTURE TYPE	DATE
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24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

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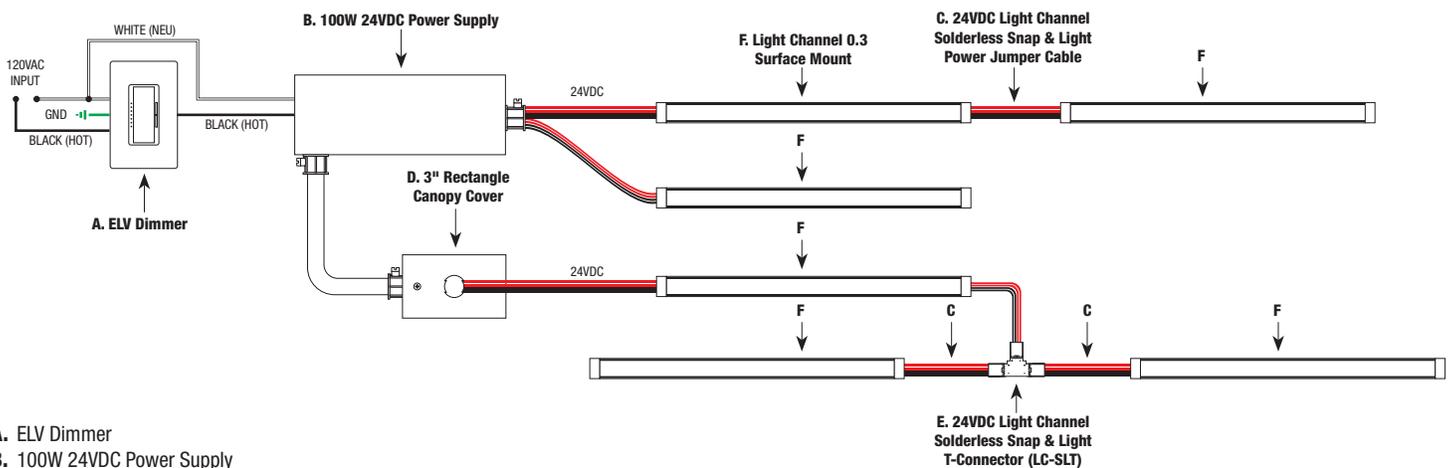
## INCLUDED COMPONENTS: Light Channel .6 Micro Grazer system overview



## WIRING DIAGRAM: Electronic Low Voltage (ELV) dimming for Indoor Light Channel .6 Micro Grazer

**POWER SUPPLY:** 120VAC input, 24VDC 96 watt output PSB-100W-ELV-24VDC

**DIMMING:** Dimmable with low voltage electronic dimmer using power supply above. See power supply spec sheet for additional details. Lutron: Diva DVELV-300P; Skylark SELV-300P; Maestro MAELV-600 dimmers are recommended.



- A. ELV Dimmer
- B. 100W 24VDC Power Supply
- C. 24VDC Light Channel Solderless Snap & Light Power/Jumper Connector
- D. 3" Rectangle Canopy Cover
- E. Light Channel Solderless Snap & Light T Connector (LC-SLT)
- F. Light Channel .6 Micro Grazer

PROJECT	FIXTURE TYPE	DATE
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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	•	•	•	•

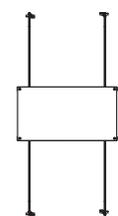
- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power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

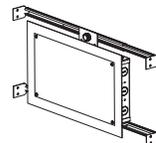
\*Title 24 with JAB listed PureEdge products and systems

\*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
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# INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

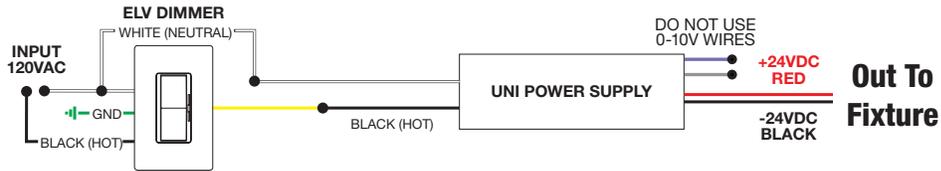
24VDC, UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V FOR STATIC WHITE, WARM DIM

REV 09.07.21

## WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

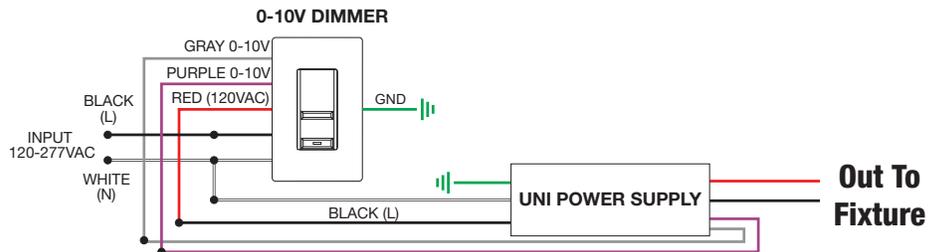
**Application:** ELV dimming for Static White and Warm Dim

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



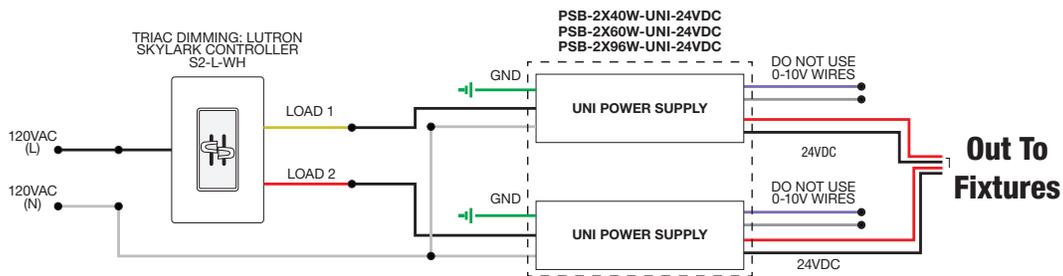
**Application:** 0-10V dimming for Static White

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



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

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



PROJECT	FIXTURE TYPE	DATE
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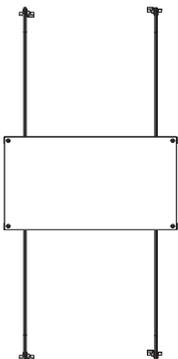
ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS <sup>†‡</sup>				
<b>ORDERING CODES</b>	<b>PS-60L-ELV-24VDC</b> 	<b>PSB-60W-ELV-24VDC</b> 	<b>PSB-2X60W-ELV-24VDC</b> 	<b>PSB-100W-ELV-24VDC</b> 
<b>SPECIFICATIONS</b>				
<b>MAXIMUM LOAD</b>	60W NON-IC, 50W-IC (FITS IN JBOX)	60W	2X60W	96W
<b>INPUT VOLTAGE</b>	120VAC	120VAC	120VAC	120VAC
<b>OUTPUT VOLTAGE</b>	24VDC	24VDC	24VDC	24VDC
<b>DIMENSIONS</b>	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"
<b>CLASSIFICATION</b>	CLASS 2	CLASS 2	CLASS 2	CLASS 2
<b>T-BAR MOUNTING</b>	N/A	<b>PSB-60W-ELV-24VDC-TB</b>	<b>PSB-2X60W-ELV-24VDC-TB</b>	<b>PSB-100W-ELV-24VDC-TB</b>
<b>IN WALL MOUNTING</b>	N/A	<b>PSB-60W-ELV-24VDC-IW</b>	<b>PSB-2X60W-ELV-24VDC-IW</b>	<b>PSB-100W-ELV-24VDC-IW</b>
ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS <sup>†‡</sup>				
<b>ORDERING CODES</b>	<b>PSB-2X100W-ELV-24VDC</b> 	<b>PSB-3X100W-ELV-24VDC</b> 	<b>PSB-4X100W-ELV-24VDC</b> 	
<b>SPECIFICATIONS</b>				
<b>MAXIMUM LOAD</b>	2X96W	3X96W	4X96W	
<b>INPUT VOLTAGE</b>	120VAC	120VAC	120VAC	
<b>OUTPUT VOLTAGE</b>	24VDC	24VDC	24VDC	
<b>DIMENSIONS</b>	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	
<b>CLASSIFICATION</b>	CLASS 2	CLASS 2	CLASS 2	
<b>T-BAR MOUNTING</b>	<b>PSB-2X100W-ELV-24VDC-TB</b>	<b>PSB-3X100W-ELV-24VDC-TB</b>	<b>PSB-4X100W-ELV-24VDC-TB</b>	
<b>IN WALL MOUNTING</b>	<b>PSB-2X100W-ELV-24VDC-IW</b>	N/A	N/A	
<b>DIMMING AND CONTROLS</b>				
<b>LUTRON DIVA: DVELV-300P</b>	•	•	•	
<b>LUTRON SKYLARK: SELV-300P</b>	•	•	•	
<b>LUTRON RADIO RA2: RRD-6NA</b>	•	•	•	
<b>LUTRON MAESTRO: MAELV-600</b>	•	•	•	
<b>LEGRAND ADORNE: ADTP-703TUM4</b>	•	•	•	

<sup>†</sup>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.

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

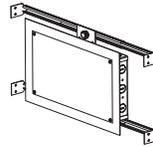
With N-Lite Dimming Do Not use ELV power supplies, use only 0-10 volt or Uni drivers power supplies

\*\*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

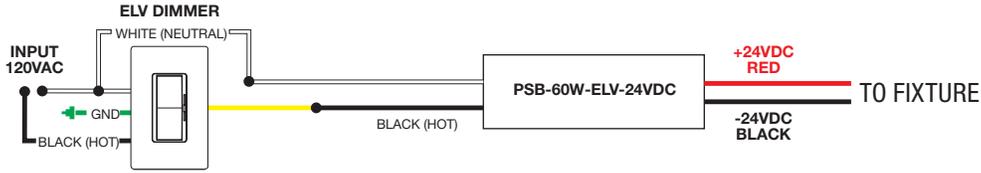
**Ordering Codes 8.5" x 14.25":** PSB-2X60W-ELV-24VDC-IW  
PSB-2X100W-ELV-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	
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**SAMPLE WIRING DIAGRAMS 24VDC ELV**

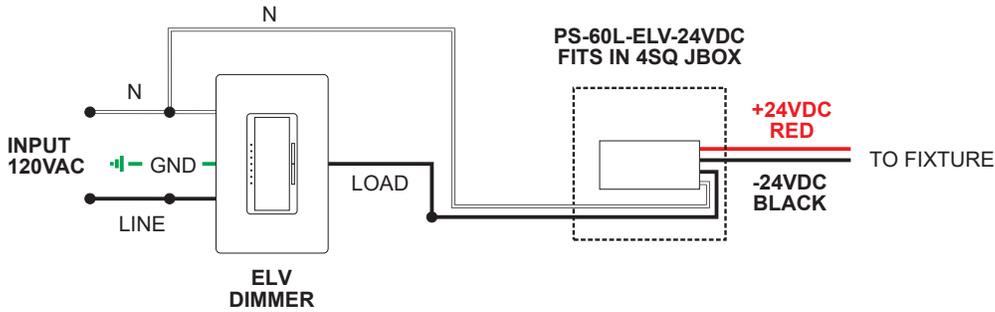
**Application:** ELV dimming for Static White

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



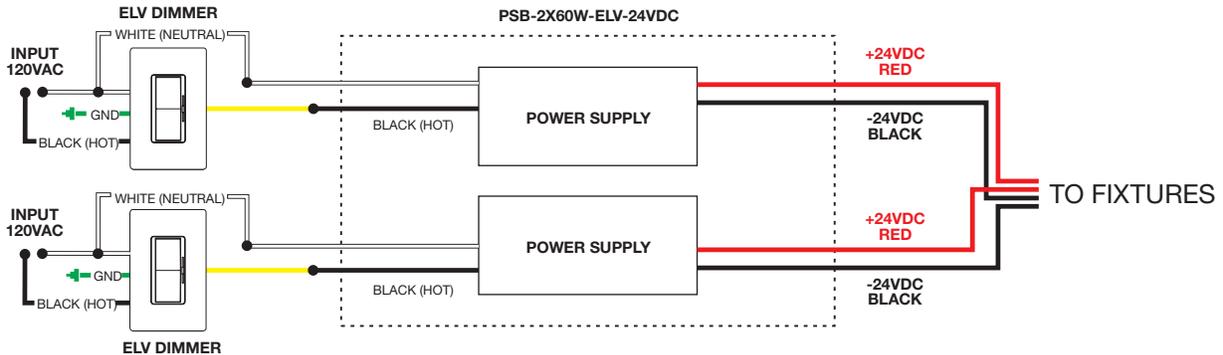
**Application:** ELV dimming for Static White

**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	
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### 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

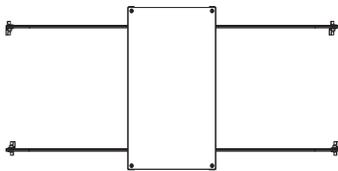
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•
LUTRON DIVA: DVTV-WH, DVSTV-WH	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•	•
LUTRON RADIO RA2: RRD-10ND	•	•	•
LEVITON: LEV40050	•	•	•
LEVITON IP710-LFZ	•	•	•
LEGRAND: ADPD4FBL3P2W4	•	•	•

- 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

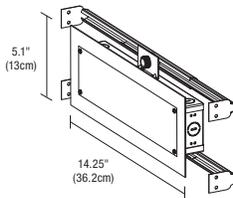
\*Title 24 compliant when used with JAB listed PureEdge systems.

\*\*Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.



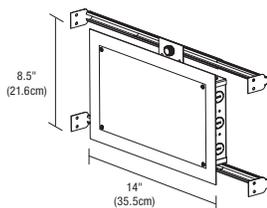
**T-BAR Mounting Kit:** Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

**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

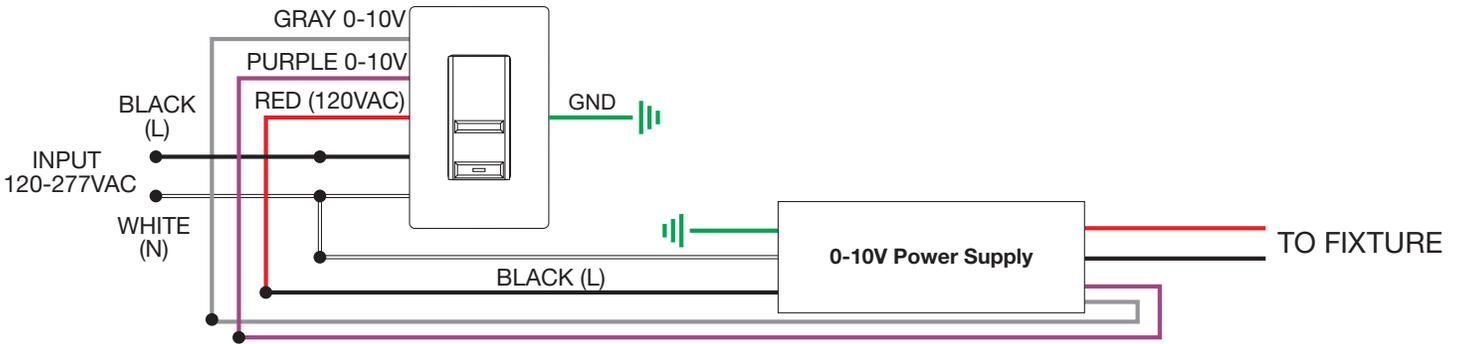
PROJECT	FIXTURE TYPE	DATE
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**SAMPLE WIRING DIAGRAMS 24VDC 010**

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

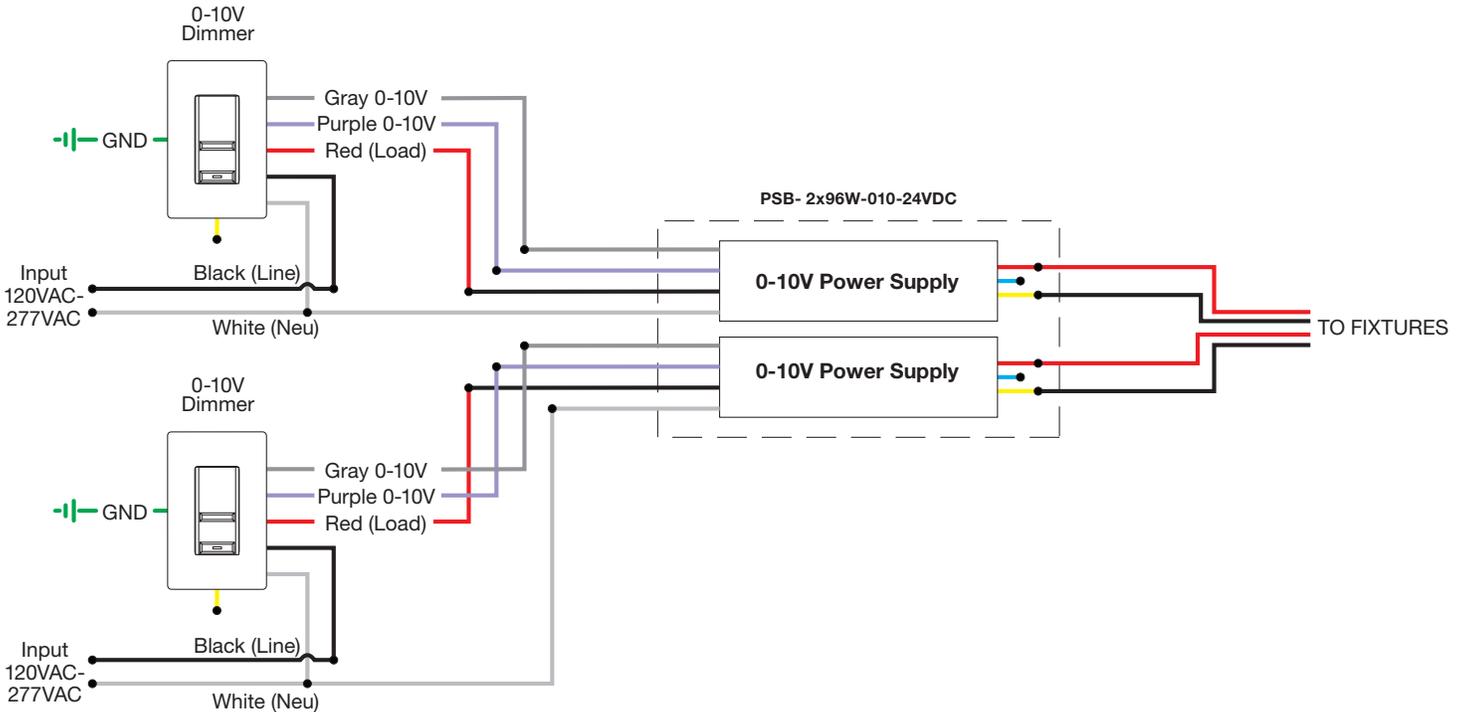
**Dimming:** Dimmable with 0-10V dimmers: Signify (Phillips) Sunrise: SR1200ZTUNV, Leviton Dimmers: LEV40050, IP710-LFZ, \*IP710-DLZ \*(Built in LED locator light) Legrand Dimmer: ADPD4FBL3P2W4 Lutron Systems: Lutron GRAFIX Eye QS Main Unit (with DRX-TVI) Radio Ra2 (with GRX-TVI)

**0-10V DIMMER**



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

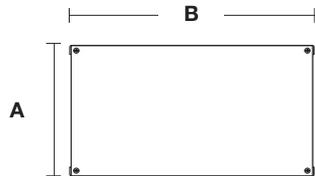
24VDC INDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

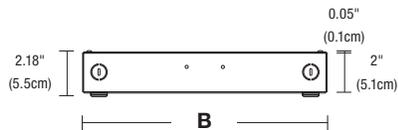
REV 09.07.21



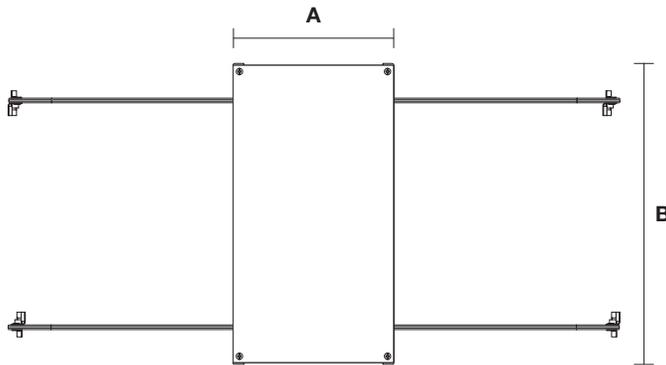
PSB-96W-010-24VDC-2XK



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)

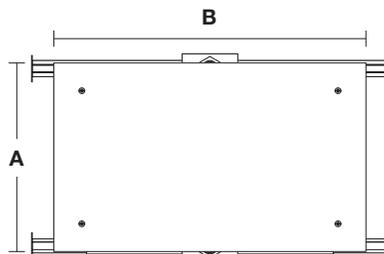
## COMPLIANCE

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



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



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

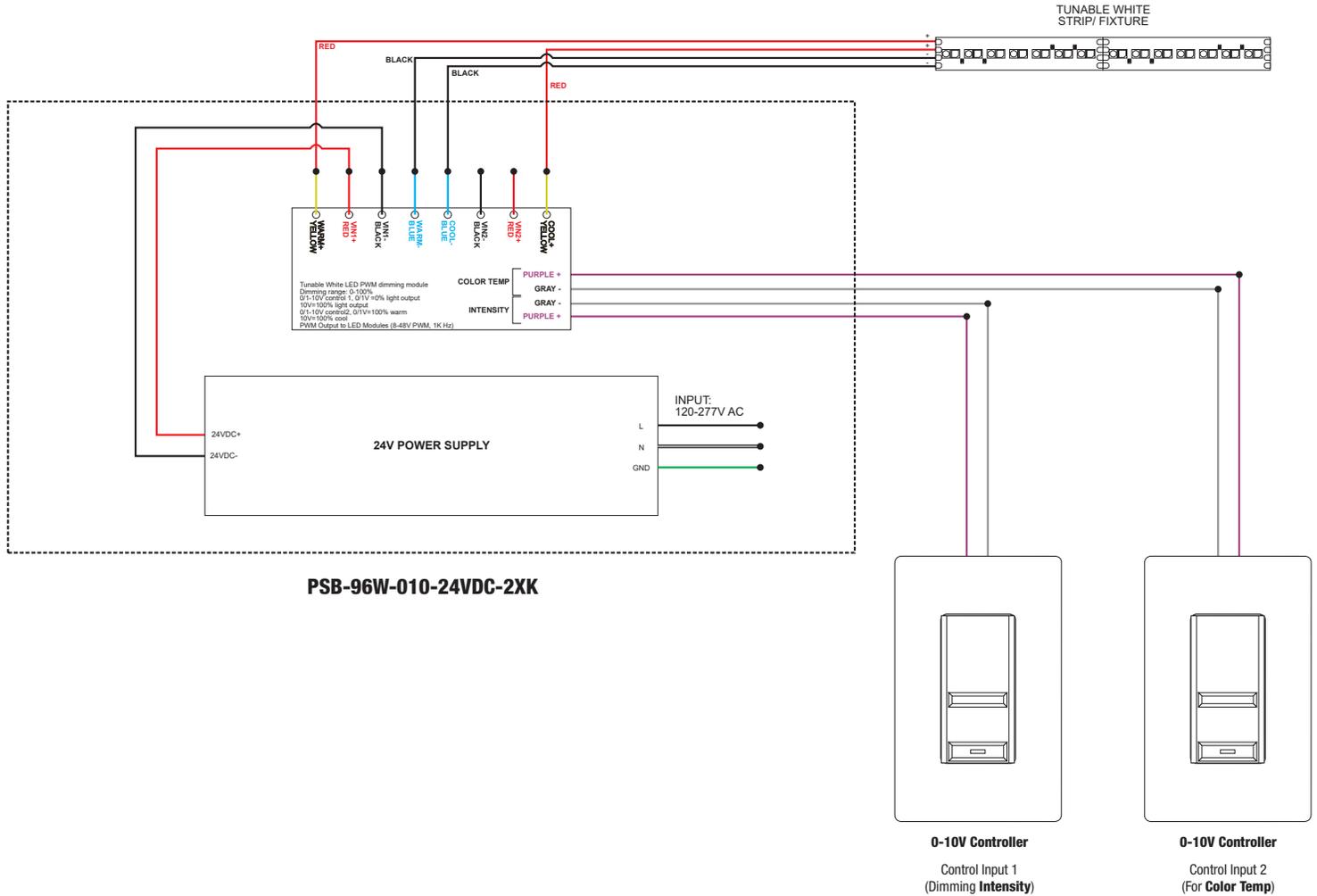
IN-WALL DIMENSIONS		
	A	B
PSB-96W-010-24VDC-2XK-IW	8.5"	14.25"

PROJECT		FIXTURE TYPE		DATE	
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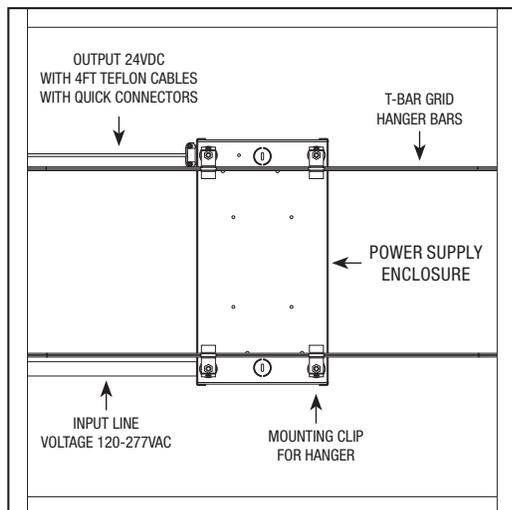
# INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY

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

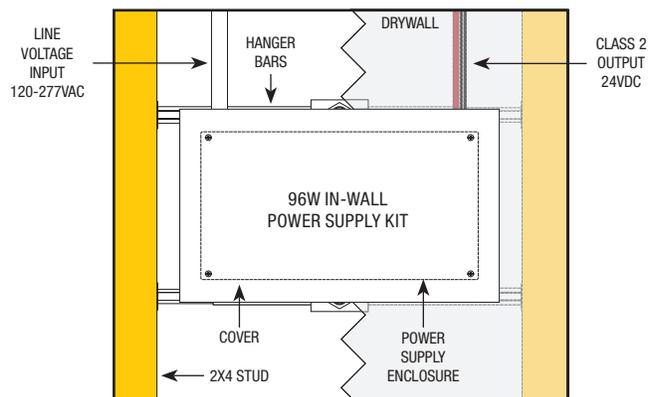
**Application:** 0-10V dimming for Tunable White LED Strip/Fixture



## T-BAR GRID CEILING



## IN WALL KIT



PROJECT		FIXTURE TYPE		DATE	
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# PSB-  X100W-24VDC

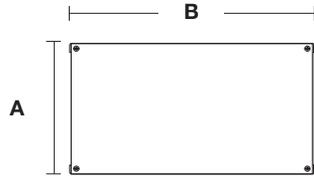
## 24 VOLT DC, NON-DIMMING POWER SUPPLY

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

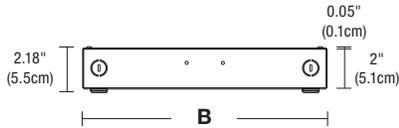
REV 09.07.21



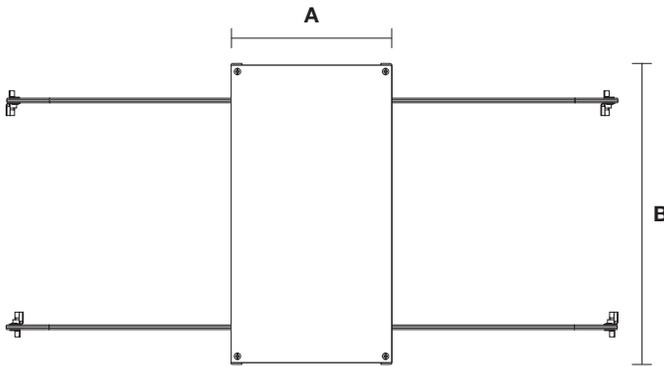
PSB-2X100W-24VDC



TOP VIEW



SIDE VIEW



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.

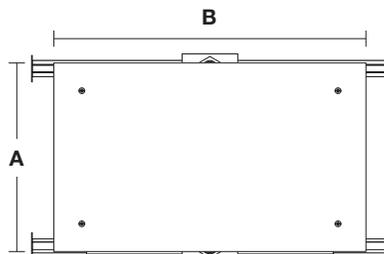
\*Title 24 with JA8 listed PureEdge products and systems

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

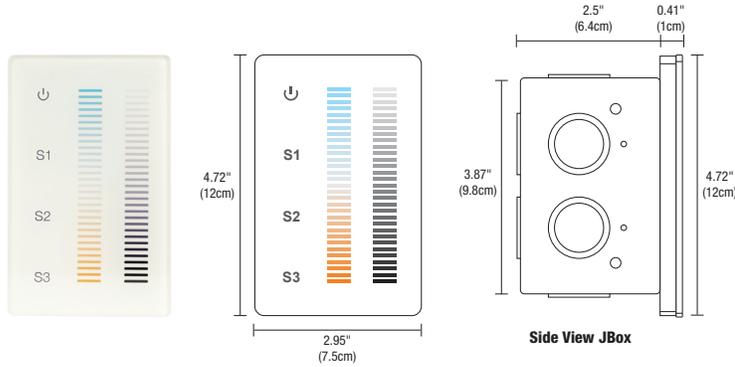
IN-WALL DIMENSIONS		
	A	B
PSB-100W-24VDC-IW	5.1"	14.25"
PSB-2X100W-24VDC-IW	8.5"	14.25"

PROJECT		FIXTURE TYPE		DATE	
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# TUNABLE WHITE DMX CONTROLLER AND POWER SUPPLIES

24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DRIVERS

REV 09.07.21



## 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

## OUTPUT SIGNAL:

USITT DMX 512 (1990)

## INSTALLATION:

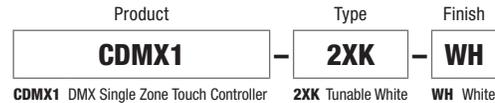
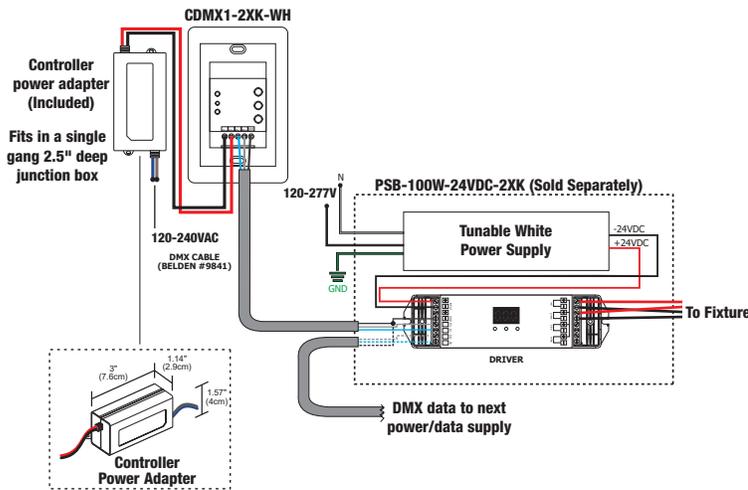
Fits in a single gang 2.5" deep junction box. Not compatible with multi-gang boxes.

## LABELS:

ROHS, FCC, Damp Location, ETL/UL

## POWER INPUT:

120-240VAC

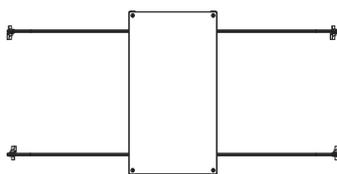


## COLOR CHANGING (DMX) POWER SUPPLIES

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

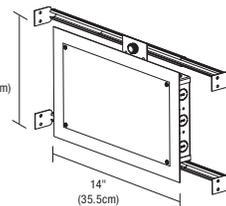
- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements

- 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" 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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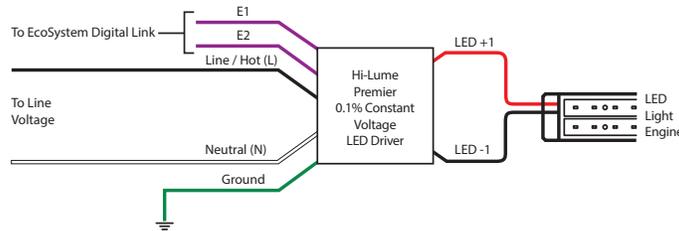
**LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†**

ORDERING CODES	L3D0-96W24V-U	2-WIRE ECOSYSTEM LTEA4U1UKL-CV240	3-WIRE ECOSYSTEM L3DA4U1UKL-CV240
			
<b>SPECIFICATIONS</b>			
<b>MAXIMUM LOAD</b>	96W	5W-40W	5W-40W
<b>INPUT VOLTAGE</b>	120-277VAC	120-277VAC	120-277VAC
<b>OUTPUT VOLTAGE</b>	24VDC	24VDC	24VDC
<b>DIMENSIONS</b>	10.5" X 5.5" X 2"	4" X 4.89" X 2.62"	4" X 4.89" X 2.62"
<b>CLASSIFICATION</b>	CLASS 2	CLASS 2	CLASS 2
<b>T-BAR MOUNTING</b>	<b>L3D0-96W24V-U-TB</b>	NA	NA
<b>DIMMING AND CONTROLS</b>			
<b>RADIO RA2</b>	•	•	•
<b>HOMEWORKS QS</b>	•	•	•
<b>PHPM-3F-120</b>	•	•	•
<b>PHPM-3F-DV</b>	•	•	•
<b>BCI-0-10</b>	•	•	•

†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 <sup>2</sup>
	120V	277V		
<b>PowPak Dimming Module with EcoSystem</b>	RMJ-ECO32-DV-B URMJ-ECO32-DVB		32 Per EcoSystem link	5.9 or Higher
<b>PowPak Wireless Fixture Control with EcoSystem<sup>1</sup></b>	FJC-ECO FJCS-ECO		3 Per EcoSystem link	0796554 or Higher
<b>Energi Savr Node unit with EcoSystem</b>	QSN-1ECO-S, QSN-2ECO-S, QSN-2ECO-PS120, UQSN-1ECO-S, UQSN-2ECO-S,		64 Per EcoSystem link	9.027 or Higher
<b>GRAFIK Eye QS unit with EcoSystem</b>	QSGRJ-_E- QSGR-_E-	-	64 Per EcoSystem link	9.009 or Higher
<b>Quantum Light Management Hub</b>	AYF-103P-	-	64 Per EcoSystem link	3.2 or Higher <sup>3</sup>
<b>Homeworks QS with EcoSystem</b>	LQSE-2ECO-D- QSGRJ-_E- QSGR-_E-	-	64 Per EcoSystem link	10 or Higher <sup>4</sup>

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](http://www.Lutron.com)

2: For lower system versions please visit [www.Lutron.com/LEDsystemcheck](http://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	
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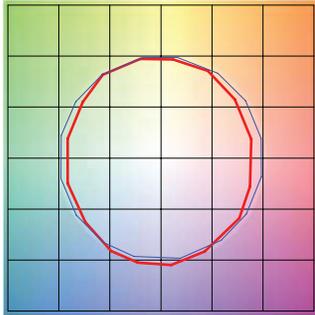
# TM30 DATA

24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

**TM-30-15 DATA:** The data below is for SS5C and SS7C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**2200K** | Rf: 83.9 | Rg: 94.9

Color Vector Graphic

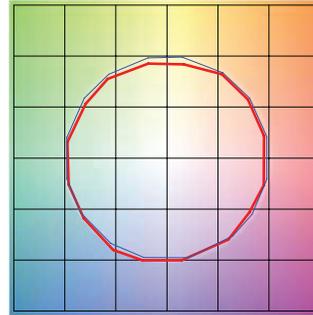


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	78.8	-9.5%	1.3%
2	80.7	-7.8%	6.7%
3	78.2	-3.3%	9.4%
4	89.7	-2.8%	3.6%
5	93.2	-0.8%	2.6%
6	93.0	-0.6%	-0.7%
7	87.7	-5.9%	-3.5%
8	89.2	-6.8%	1.9%
9	83.4	-5.6%	6.0%
10	79.3	-3.7%	10.8%
11	81.4	2.9%	11.1%
12	84.9	5.3%	4.9%
13	88.1	4.9%	-10.1%
14	68.1	0.1%	-19.5%
15	86.0	-3.3%	-7.3%
16	76.4	-8.9%	-11.7%

**2400K** | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

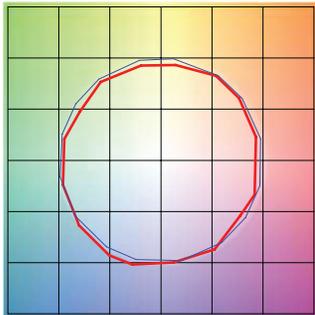


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

**2700K** | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

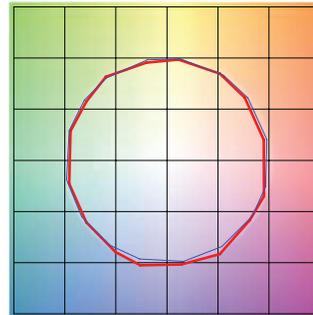


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

**3000K** | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

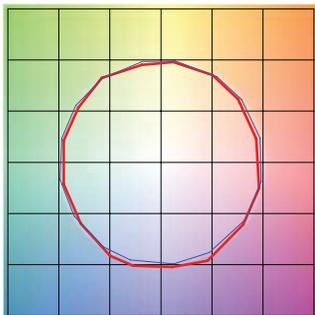


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

**3500K** | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

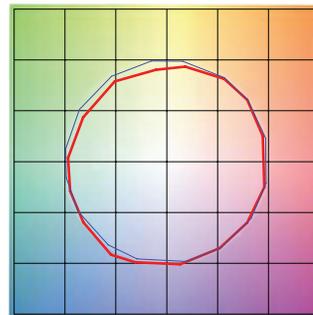


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

**4000K** | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

PROJECT	FIXTURE TYPE	DATE
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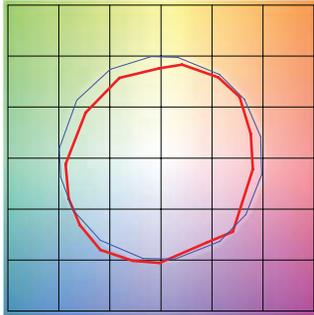
# TM30 DATA

24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

**TM-30-15 DATA:** The data below is for SS5C and SS7C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**5700K** | Rf: 80.3 | Rg: 91.5

Color Vector Graphic

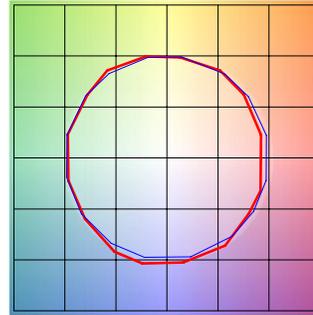


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	75.4	-8.9%	4.7%
2	87.5	-2.6%	4.6%
3	90.7	-3.0%	-0.5%
4	83.2	-6.0%	-5.7%
5	76.2	-12.9%	-5.3%
6	81.4	-11.9%	-2.6%
7	74.8	-14.0%	5.1%
8	69.0	-9.0%	14.1%
9	72.6	-3.6%	22.2%
10	71.4	2.7%	16.1%
11	81.3	7.9%	5.3%
12	83.6	4.1%	-9.4%
13	78.4	0.7%	-15.3%
14	77.7	-6.2%	-11.0%
15	68.8	-1.3%	-21.2%
16	80.8	-9.6%	3.3%

**2700D** | Rf: 89.5 | Rg: 100.8

Color Vector Graphic

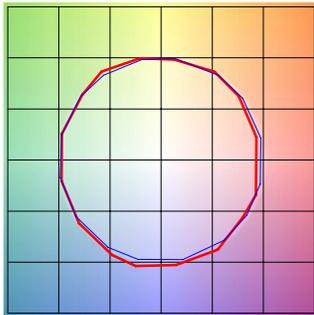


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.8	-5.1%	1.4%
2	89.8	-2.7%	4.1%
3	87.2	0.3%	5.9%
4	92.3	-0.9%	1.0%
5	93.3	1.5%	1.7%
6	92.4	3.6%	-0.2%
7	92.2	-0.9%	-2.4%
8	96.7	-0.4%	-1.1%
9	92.3	-1.2%	3.7%
10	88.9	-0.0%	6.1%
11	86.4	5.1%	7.4%
12	88.2	6.3%	-0.9%
13	87.2	3.8%	-8.1%
14	84.2	3.8%	-11.0%
15	89.8	-2.6%	-4.3%
16	82.7	-3.4%	-11.1%

**3000D** | Rf: 89.8 | Rg: 101.4

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.2	-4.2%	1.5%
2	90.9	-2.0%	3.7%
3	87.9	0.8%	5.5%
4	92.1	-0.9%	0.6%
5	93.0	1.5%	1.6%
6	92.2	3.9%	-0.2%
7	92.1	-0.3%	-2.0%
8	96.7	0.0%	-1.2%
9	92.5	-0.6%	3.7%
10	88.3	1.1%	7.0%
11	87.2	4.1%	7.4%
12	87.2	6.7%	-1.0%
13	88.2	3.8%	-7.2%
14	85.3	4.3%	-9.9%
15	90.9	-2.2%	-3.6%
16	83.4	-2.2%	-11.2%

PROJECT	FIXTURE TYPE	DATE
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