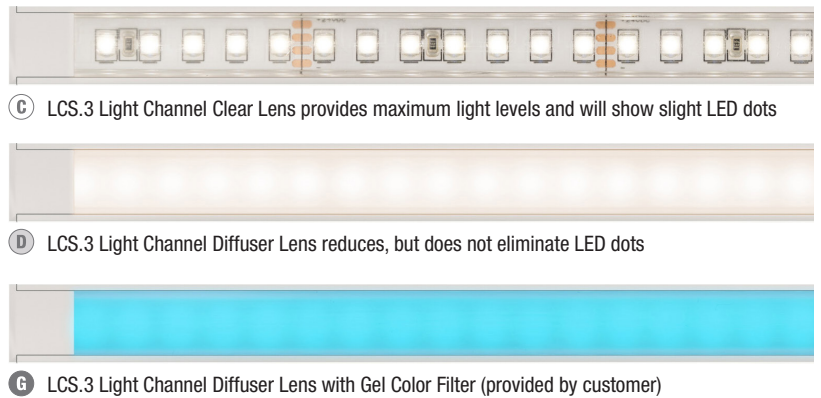
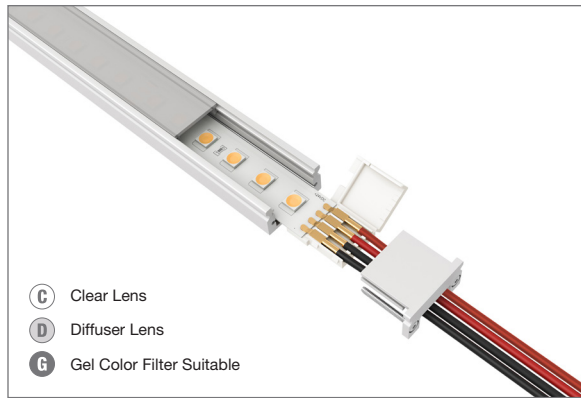


# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.11.20



## FEATURES & BENEFITS

- Cut and assemble in field
- Snap & Light Solderless Connections reduce labor during installation
- 24VDC LED Soft Strip offers excellent color-rendering
- 5 oz of copper provides better heat dissipation, less voltage drop.
- Surface mount channel sold-in 2, 4, 5, 8 and 10-foot increments
- **Static White Options:** 2.5W | 5W | 7.5W - 2000K-5700K
- **Warm Dim/Dim-To-Warm: (30D)** dims from 3000K to 2000K, **(27D)** dims from 2700K to 2000K. 5 watt only.
- **Dynamic Tunable White:** 2000K to 4000K Variable White Dynamic Tunable Lighting. Human Centric Lighting
- **Dynamic Color** RGB 5W only.
- **Static Color Monochrome:** Amber (AAA), Green (GGG), Blue (BBB), Red (RRR), Purple (PPP)

## LENS & LOUVERS

- **(D)** Diffuser Lens **reduces but does not eliminate LED dots. (C)** Clear LEDs **WILL SHOW.**
- Gel Diffused Lens **(G)** provided by the customer please visit [www.leefilters.com](http://www.leefilters.com) for more information.
- 5 year pro-rated warranty included

## APPLICATIONS

- DIY systems engineered for the weekend warrior or the master electrician.
- Provides maximum light levels for task and general illumination
- Indoor only

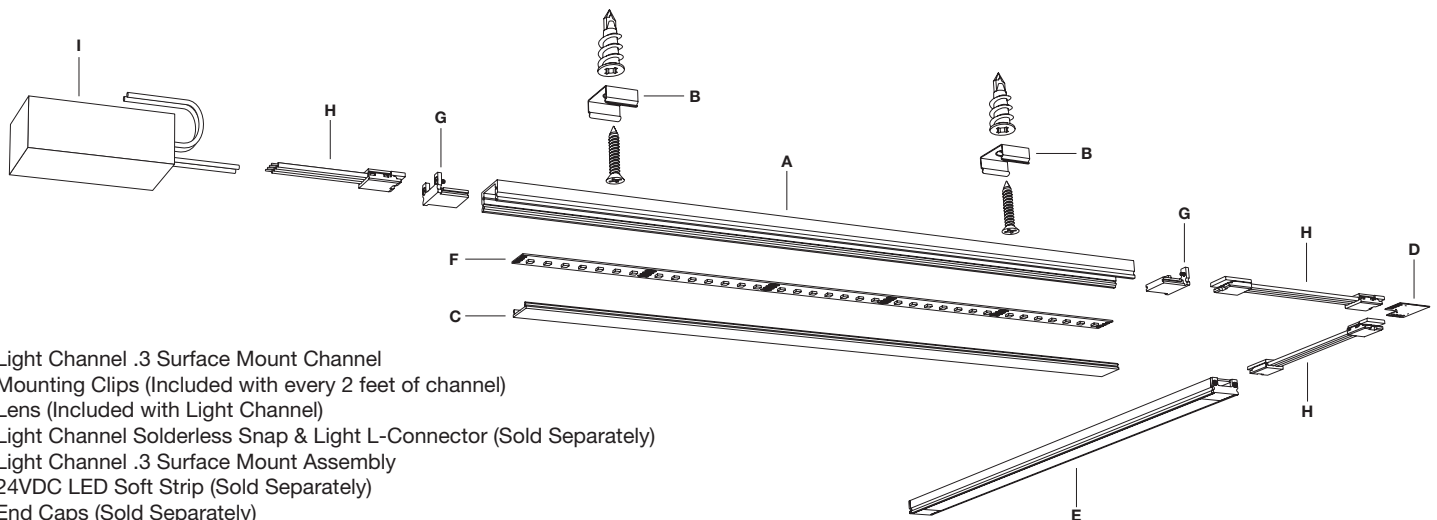
## REQUIRED COMPONENTS (SOLD SEPARATELY)

- Light Channel 0.3" Surface Mount and Lens (Mounting Clips included)
- End Caps (sold in pairs)
- 24VDC Light Channel Solderless Snap & Light Power/Jumper Connector
- 24VDC LED Soft Strip

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

- Universal Power SUPplies (Triac, ELV, 0-10V)
  - Electronic Low Voltage Dimming (ELV)
  - 0-10 Volt Dimming (0-10V), Title 24
  - Dynamic Color Changing (DMX), Title 24
  - Lutron Hi-Lume®, Title 24
  - Class 2 Wiring Up to 100 Watts, No Need For Conduit Pipe.
- \*In-Wall Mounting Kits available for select power supplies. **Form Factor Power Supply Fits Within included J-BOX:** 50 Watt IC Rated PS-60L-ELV-24VDC ELV Power Supply.

## LIGHT CHANNEL .3 SURFACE MOUNT DIY SYSTEM OVERVIEW



- A. Light Channel .3 Surface Mount Channel
- B. Mounting Clips (Included with every 2 feet of channel)
- C. Lens (Included with Light Channel)
- D. Light Channel Solderless Snap & Light L-Connector (Sold Separately)
- E. Light Channel .3 Surface Mount Assembly
- F. 24VDC LED Soft Strip (Sold Separately)
- G. End Caps (Sold Separately)
- H. Light Channel Solderless Snap & Light Power/Jumper Connector (Sold Separately)
- I. Remote Power Supply (PSB-60W-ELV-24VDC shown) (Sold Separately)

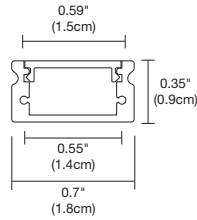
PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

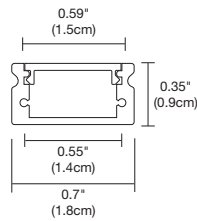
24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

REV 02.11.20

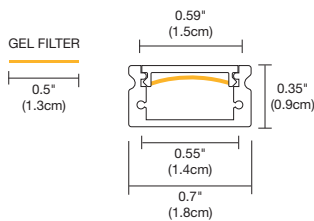
**REQUIRED COMPONENTS:** Select Light Channel .3 Surface Mount option, End Caps and Power Connector based on lighting design.



C LCS.3 Light Channel Clear Lens



D LCS.3 Light Channel Diffuser Lens

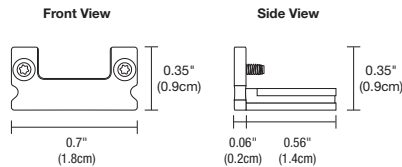
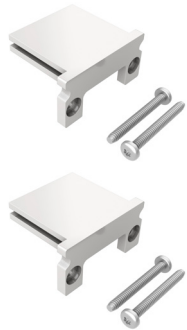


G LCS.3 Light Channel Diffuser Lens with Gel Color Filter (provided by customer)

## LIGHT CHANNEL .3 SURFACE MOUNT

Start the ordering process by selecting the desired length and lens option. Then order the LED Soft Strip, End Caps, Power Feed Joiner, and Jumper. At 0.35 inches tall the channel is low profile, made of paintable aluminum, and fits a 24VDC LED Soft Strip inside. The channel and lens may be cut in the field, and may be joined together using the Light Channel Snap & Light Solderless Jumper/Power Connector. Mounting Clips are included with every 2 feet of channel, and may be ordered separately as replacement parts. The Clear Lens provides maximum light levels and will show LED dots. The Diffuser Lens will reduce LED dots but will not eliminate them. To eliminate LED does use Light Channel .6 Surface Mount with a Diffuser Lens. Both the Clear and Diffuser Lens are Gel Color Filter Suitable allowing for color personalization. Zircon LED Gel filters are recommended and can be purchased from the dealer [www.leefilters.com](http://www.leefilters.com). Gel filter life is 5,000 hours before needing to be changed.

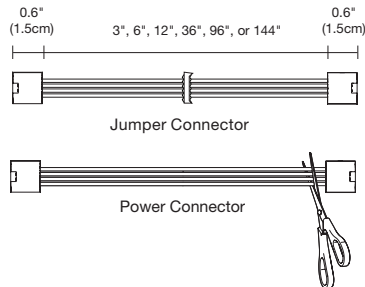
System	Length in Feet	Lens	Finish
<b>LCS.3</b>	<b>10FT</b>	<b>D</b>	<b>SA</b>
LCS.3 Light Channel 0.3" Surface Mount	2FT 2 Feet 4FT 4 Feet 5FT 5 Feet 8FT* 8 Feet 10FT* 10 Feet *Ships LTL Truck	D Diffuser White Lens C Clear Lens F Clear Lens Full Frost HF Clear Lens Half Frost	SA Satin Aluminum



## 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
<b>LCS.3</b>	<b>SLC</b>	<b>CA</b>	<b>SA</b>
LCS.3 Light Channel 0.3" Surface Mount	SLC Snap and Light Connector	CA End Caps	SA Satin Aluminum



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

Use as a power connector is required, and use as a jumper connector is optional. Join 2 cut sections of LED Soft Strip end to end within the channel. Solderless connections provide easy installation and are compatible with Solderless Light Channel Connector accessories. 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	3IN 3 Inches 6IN 6 Inches 12IN 12 Inches 36IN 36 Inches 96IN 96 Inches 144IN 144 Inches

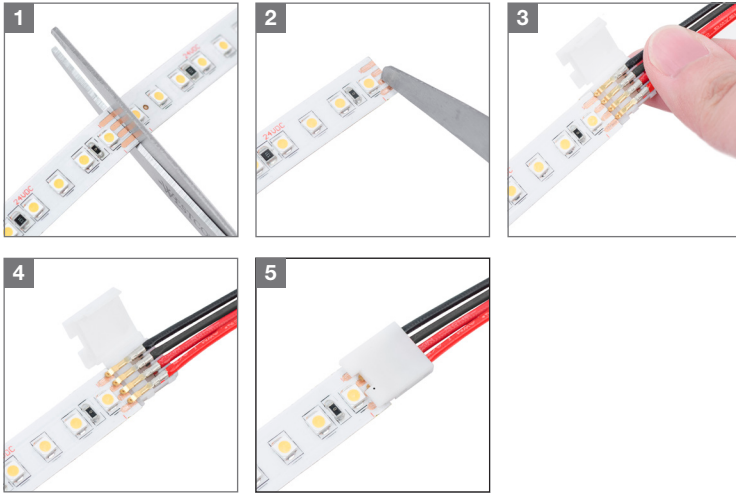
PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

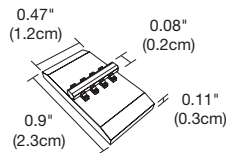
REV 02.11.20

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



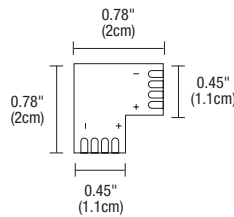
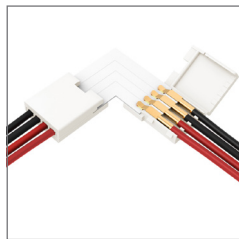
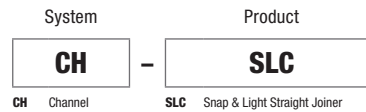
**LIGHT CHANNEL SOLDERLESS SNAP & LIGHT CONNECTORS:**  
 Allow easy cutting and rejoining of the LED Soft Strip at any point within a Light Channel. Light Channel Solderless Snap & Light Connectors provide a tightly sealed connection, reducing labor during installation. The gold plated connections provide better connectivity without oxidation.

1. Cut in the middle of the joining contacts
2. Remove the protective coating from the contacts
3. Place the LED Soft 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



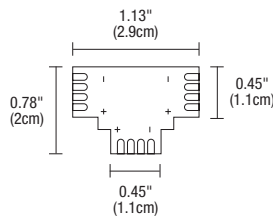
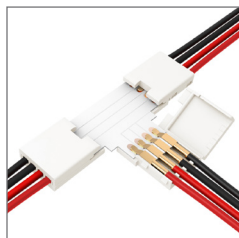
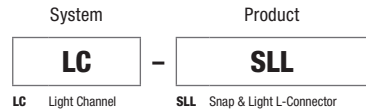
## SOFT STRIP SOLDERLESS SNAP & LIGHT STRAIGHT JOINER

Joins 2 sections of LED Soft Strip in the channel. Used when replacing a section of LED Soft Strip.



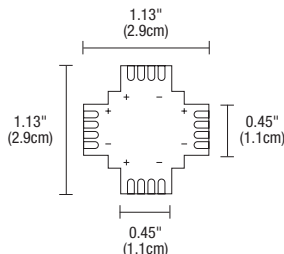
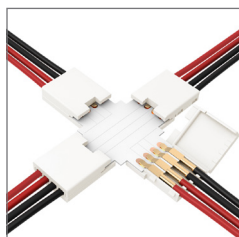
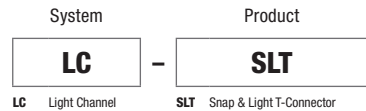
## LIGHT CHANNEL SOLDERLESS SNAP & LIGHT L-CONNECTOR

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.



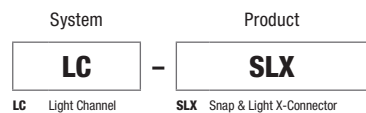
## LIGHT CHANNEL SOLDERLESS SNAP & LIGHT T-CONNECTOR

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



## 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 (sold separately) for use.



PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

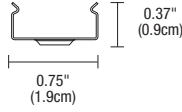
24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

REV 02.11.20

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



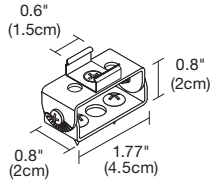
LCS.6-MCL



LCS.6-MCL

## MOUNTING CLIPS

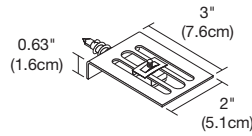
LCS.6-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LCS.6-MCL-075 rotates Light Channel up to 75 degrees. LCS.6-MCL-90 mounts Light Channel at a 90 degree angle.



LCS.6-MCL-075

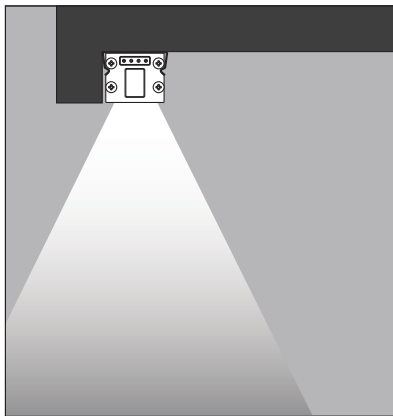


LCS.6-MCL-075

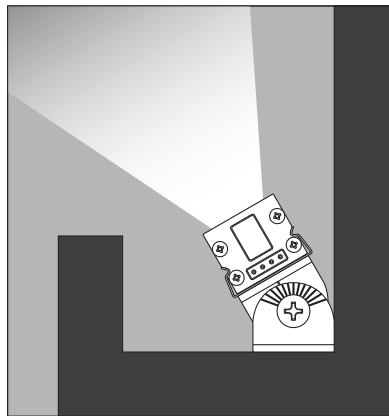


LCS.6-MCL-90

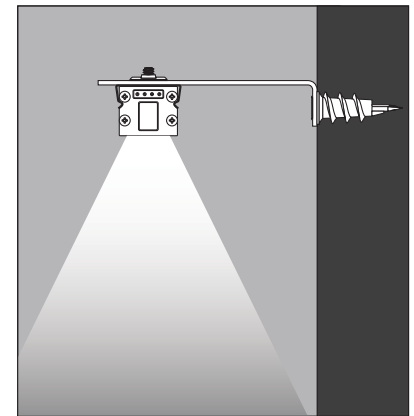
System	Product	Type
<b>LCS.6</b> LCS.6 Light Channel 0.6" Surface Mount	<b>MCL</b> MCL Mounting Clip	<b>Standard (Leave Blank)</b> <b>075</b> Adjusts 0-75° <b>90</b> Mounts at 90°



SHOWN WITH LCS.6-MCL



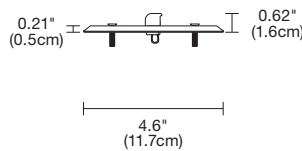
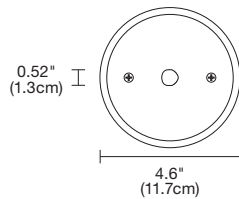
SHOWN WITH LCS.6-MCL-075



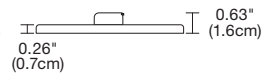
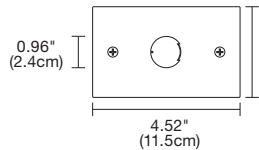
SHOWN WITH LCS.6-MCL-90



4RD-WH



3RE-WH



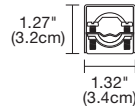
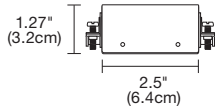
## CANOPY COVER & SPLICE BOX

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



1RB-WH



PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

**REQUIRED COMPONENTS:** Use the comparison chart below to select the desired 24VDC LED Soft Strip to install within Light Channel .3 Surface Mount.

ORDERING CODE	SS2P	SS4P	SS2C	SS5C	SS5C
<b>COLOR TYPE</b>	Static White	Static White	Static White	Static White	Warm Dim
<b>GRADE</b>	Economy Premium	Economy Premium	Commercial	Commercial	Commercial
<b>WATTAGE PER FOOT*</b>	2.3w	3.5w	2.5w	4.4w	4.8w
<b>AVAILABLE COLOR TEMPERATURES &amp; CRI</b>	2700K - 84 3000K - 85	2700K - 84 3000K - 85	2200K - 85+ 2400K - 90+ 2700K - 95+ 3000K - 95+ 3500K - 90+ 4000K - 85+ 5700K - 84+	2200K - 85+ 2400K - 90+ 2700K - 95+ 3000K - 95+ 3500K - 90+ 4000K - 85+ 5700K - 84+	(27D) 2700K Warm Dim to 2000K 95+ CRI (30D) 3000K Warm Dim to 2000K 95+ CRI
<b>CLEAR LENS LUMENS PER FOOT lm/ft</b>	27K - 127.6	27K - 195.1	22K - 242 lm/ft 24K - 269 lm/ft N/A N/A	22K - 418 lm/ft 24K - 464 lm/ft N/A 30K - 557 lm/ft	27D - 470 lm/ft
	30K - 139.5	30K - 213.2	35K - 370 lm/ft 40K - 402 lm/ft 57K - 428 lm/ft	35K - 638 lm/ft 40K - 694 lm/ft 57K - 738 lm/ft	30D - 557 lm/ft
<b>CLEAR LENS LUMENS PER WATT lm/w</b>	27K - 67.2	27K - 55.7	22K - 97 lm/w 24K - 108 lm/w 27K - 118 lm/w 30K - 129 lm/w	22K - 95 lm/w 24K - 106 lm/w 27K - 116 lm/w 30K - 127 lm/w	27D - 98 lm/w
	30K - 73.4	30K - 60.9	35K - 149 lm/w 40K - 161 lm/w 57K - 171 lm/w	35K - 145 lm/w 40K - 158 lm/w 57K - 168 lm/w	30D - 107 lm/w
<b>DIFFUSER LENS LUMENS PER FOOT lm/ft</b>	27K - 109.7	27K - 167.7	22K - 207 lm/ft 24K - 230 lm/ft 27K - 253 lm/ft 30K - 253 lm/ft	22K - 358 lm/ft 24K - 398 lm/ft 27K - 437 lm/ft 30K - 477 lm/ft	27D - 404 lm/ft
	30K - 119.9	30K - 183.3	35K - 317 lm/ft 40K - 345 lm/ft 57K - 367 lm/ft	35K - 547 lm/ft 40K - 595 lm/ft 57K - 633 lm/ft	30D - 479 lm/ft
<b>DIFFUSER LENS LUMENS PER WATT lm/w</b>	27K - 57.8	27K - 47.9	22K - 83 lm/w 24K - 92 lm/w 27K - 101 lm/w 30K - 110 lm/w	22K - 81 lm/w 24K - 91 lm/w 27K - 99 lm/w 30K - 109 lm/w	27D - 84 lm/w
	30K - 63.1	30K - 52.4	35K - 127 lm/w 40K - 138 lm/w 57K - 147 lm/w	35K - 124 lm/w 40K - 136 lm/w 57K - 144 lm/w	30D - 116 lm/w
<b>NUMBER OF LEDS PER FOOT</b>	35	35	35	35	70 (35+35)
<b>CUTTING INCREMENTS</b>	2.4"	2.4"	2.4"	2.4"	3"
<b>MAXIMUM LENGTH 100 WATT, POWER SUPPLY</b>	40 FT	25 FT	40 FT	20 FT	20 FT
<b>LED DISTANCE</b>	0.34"	0.34"	0.34"	0.34"	0.22"
<b>DIMMING TYPE</b>	UNIVERSAL (ELV, 0-10V and TRIAC), ELV, 0-10V	UNIVERSAL (ELV, 0-10V and TRIAC), ELV, 0-10V	UNIVERSAL (ELV, 0-10V and TRIAC), ELV, 0-10V	UNIVERSAL (ELV, 0-10V and TRIAC), ELV, 0-10V	ELV POWER ONLY
<b>LAMP LIFE (HOURS)</b>	50,000	50,000	50,000	50,000	50,000

## FOOT CANDLE CHARTS

30K 60° 5W DIFFUSER LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	201 FC
18in	21in	110 FC
24in	29in	70 FC
36in	42in	35 FC

30K 60° 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	273 FC
18in	21in	145 FC
24in	29in	91 FC
36in	42in	44 FC

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

PROJECT		FIXTURE TYPE		DATE	
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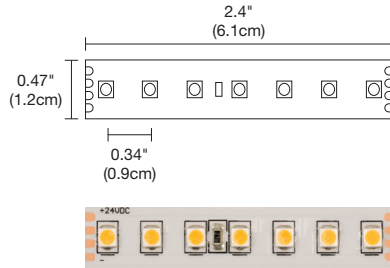
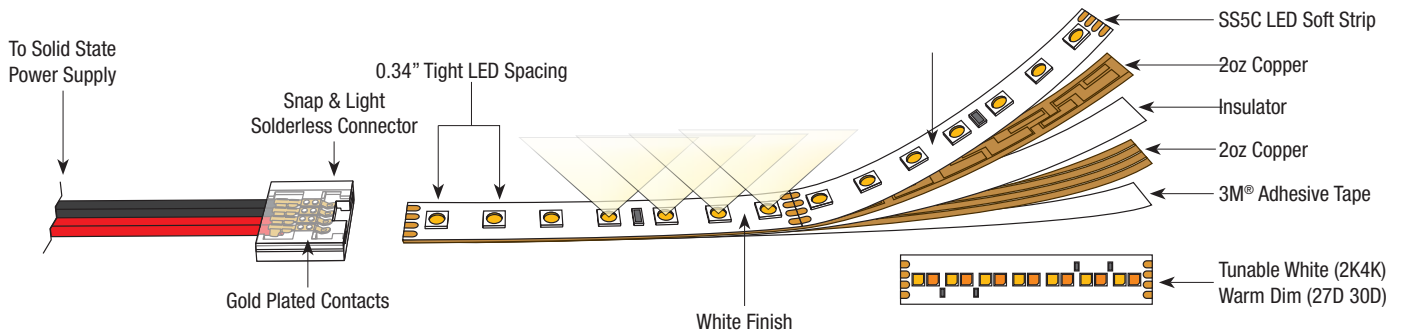


# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

REV 02.11.20

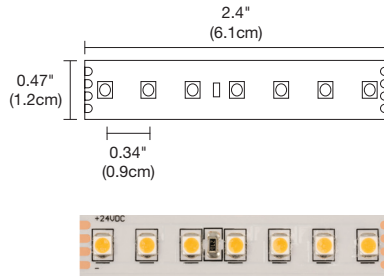
**REQUIRED COMPONENTS:** Select 24VDC LED Soft Strip based on desired color temperature and application.



## ECONOMY PREMIUM STATIC WHITE SOFT STRIP

Consumes 2.3 watts per foot (SS2P) and 3.5 watts per foot (SS4P) is available in two color temperatures. SS2P and SS4P Soft Strip use UNI, ELV and 0-10V power supplies.

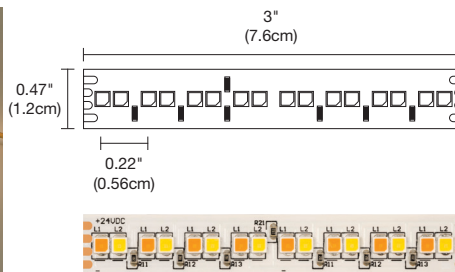
System	Voltage	Length in Feet	Color Temperature
<b>SS2P</b>	<b>24V</b>	<b>8</b>	<b>27K</b>
SS2P LED Soft Strip Economy Premium 2.3 watts per foot	24V 24 Volt	1-40 1 - 40 feet (SS2P) 1-25 1 - 25 feet (SS4P)	27K 2700K Incandescent White 30K 3000K Warm White
SS4P LED Soft Strip Economy Premium 3.5 watts per foot			



## COMMERCIAL STATIC WHITE SOFT STRIP

Consumes 2.5 watts per foot (SS2C), 4.4 watts per foot (SS5C), and 7.3 watts per foot (SS7C) and is available in a variety of color temperatures. SS2C, SS5C, and SS7C Soft Strips use UNI, ELV and 0-10V power supplies.

System	Voltage	Length in Feet	Color Temperature
<b>SS2C</b>	<b>24V</b>	<b>40</b>	<b>27K</b>
SS2C LED Soft Strip Commercial 2.5 watts per foot	24V 24 Volt	1-40 1 - 40 feet (SS2C) 1-20 1 - 20 feet (SS5C)	20K 2000K Sunset 22K 2200K Amber White 24K 2400K Very Warm White 27K 2700K Incandescent White
SS5C LED Soft Strip Commercial 4.4 watts per foot		1-12 1 - 12 feet (SS7C)	30K 3000K Warm White 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White
SS7C LED Soft Strip Commercial 7.3 watts per foot			



## WARM DIM DIM-TO-WARM

(30D) dims from 3000K to 2000K, (27D) dims from 2700K to 2000K. 4.8 Watt Only. Use ELV Power Supply.

System	Voltage	Length in Feet	Color Temperature
<b>SS5C</b>	<b>24V</b>	<b>20</b>	<b>27D</b>
SS5C LED Soft Strip Commercial 4.8 watts per foot	24V 24 Volt	1-20 1 - 20 feet	27D 2700K Warm Dim to 2000K (DIM-TO-WARM) 5 Watt Only 30D 3000K Warm Dim to 2000K (DIM-TO-WARM) 5 Watt Only

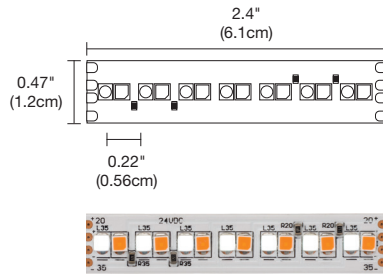
PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

REV 02.11.20

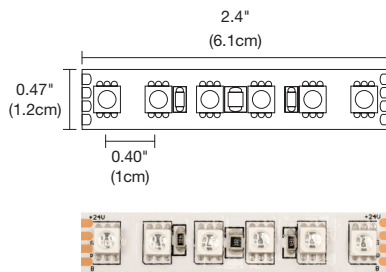
**REQUIRED COMPONENTS:** Select 24VDC LED Soft Strip based on desired color temperature and application.



## COMMERCIAL/DYNAMIC TUNABLE WHITE (2K4K)

Consumes 4.8 watts per foot and provides variable color temperatures ranging from candlelight (2000K) to cool white (4000K) at full brightness or dim to 1%. SS5C Soft Strip Tunable White uses Universal Power Supplies, ELV, 0-10V, and DMX power supplies.

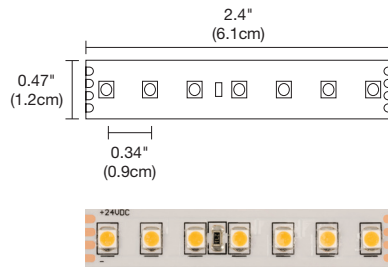
System	Voltage	Length in Feet	Color Temperature
<b>SS5C</b>	<b>24V</b>	<b>20</b>	<b>2K4K</b>
SS5C LED Soft Strip Commercial 4.8 watts per foot	24V 24 Volt	1-20 1 - 20 feet	2K4K Tunable White 2000K-4000K



## 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
<b>SS5</b>	<b>24V</b>	<b>20</b>	<b>RGB</b>
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
<b>SS5</b>	<b>24V</b>	<b>36</b>	<b>AAA</b>
SS5 LED Soft Strip Special Application 4.8 watts per foot	24V 24 Volt	1-36 1 - 36 feet	<b>RRR</b> Red Static Color Monochromatic <b>GGG</b> Green Static Color Monochromatic <b>BBB</b> Blue Static Color Monochromatic <b>AAA</b> Amber Static Color Monochromatic <b>PPP</b> Purple Static Color Monochromatic

PROJECT	FIXTURE TYPE	DATE
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# INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

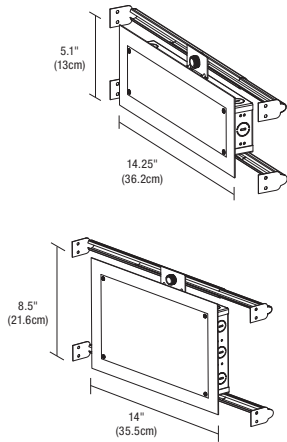
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS				
ORDERING CODE	PSB-40W-UNI-24VDC	PSB-60W-UNI-24VDC	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC
<b>SPECIFICATIONS</b>				
<b>MAXIMUM LOAD</b>	40W	60W	2X40W	2X60W
<b>INPUT VOLTAGE</b>	120-277VAC	120-277VAC	120-277VAC	120-277VAC
<b>OUTPUT VOLTAGE</b>	24VDC	24VDC	24VDC	24VDC
<b>DIMENSIONS</b>	12.4" X 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"
<b>CLASSIFICATION</b>	CLASS 2	CLASS 2	CLASS 2	CLASS 2
<b>IN-WALL MOUNTING</b>	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
<b>SPECIFICATIONS</b>				
<b>MAXIMUM LOAD</b>	96W	2X96W	3X96W	4X96W
<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 3.12" X 2.18"	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	CLASS 2
<b>IN-WALL MOUNTING</b>	PSB-96W-UNI-24VDC-IW	PSB-2X96W-UNI-24VDC-IW	NA	NA
<b>ELV DIMMING &amp; CONTROLS</b>				
LUTRON DIVA: DVELV-300P	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•	•
<b>0-10 DIMMING &amp; CONTROLS</b>				
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA: DDTV-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	•	•	•	•
<b>TRIAC DIMMING &amp; CONTROLS</b>				
LUTRON SKYLARK: S2-L-WH	•	•	•	•
LUTRON DIVA DVLV-600P-WH	•	•	•	•
LUTRON DIVA DVLV-603P-WH	•	•	•	•
LUTRON MAESTRO MALV-600-WH	•	•	•	•
LUTRON MAESTRO MALV-1000-WH	•	•	•	•
LUTRON MAESTRO MA-R-XX	•	•	•	•

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

PROJECT		FIXTURE TYPE		DATE	
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**IN WALL MOUNTING OPTIONS**



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

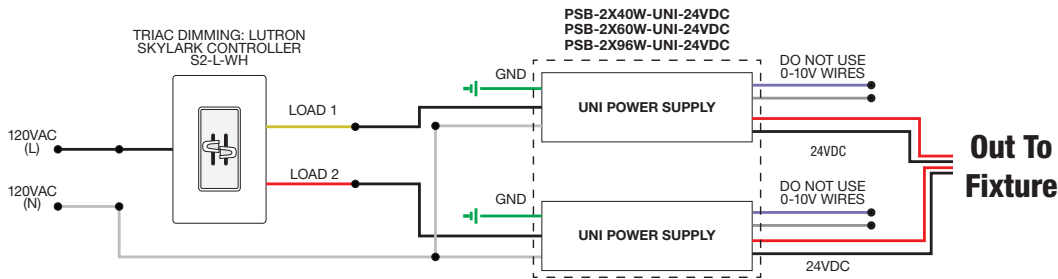
**Ordering Codes 5.1 x 14.25 inch:** PSB-40W-UNI-24VDC-IW  
PSB-60W-UNI-24VDC-IW  
PSB-96W-UNI-24VDC-IW

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

**WIRING DIAGRAMS UNIVERSAL POWER SUPPLY**

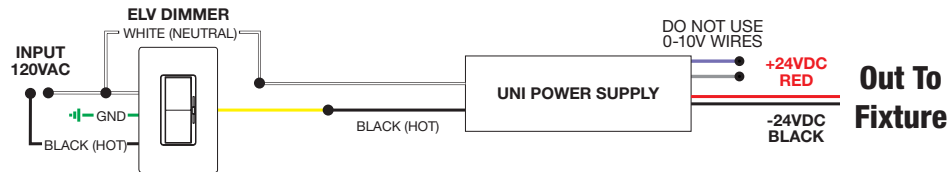
**Application:** Triac dimming for two power supplies, use for Static White, Dynamic/Tunable White 2000K-4000K

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



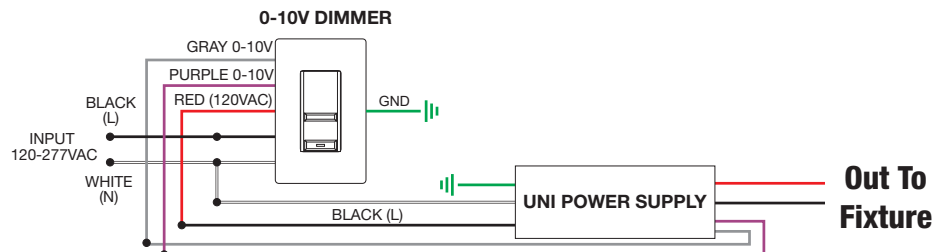
**Application:** ELV dimming for Static White and Warm Dim

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

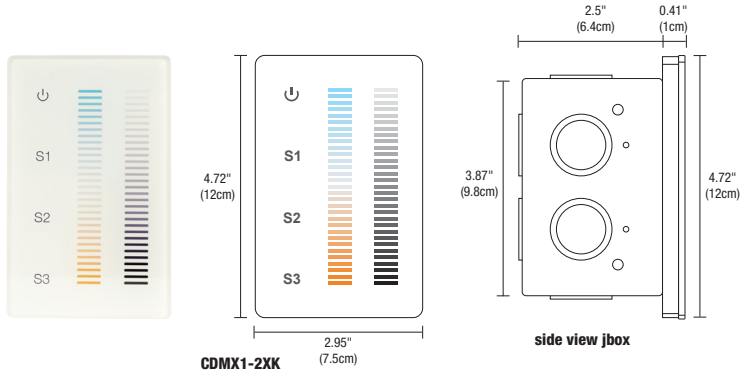


**Application:** 0-10V dimming for Static White

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



PROJECT		FIXTURE TYPE		DATE	
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### Description:

The Tunable White Touch Controller is a full-touch controller that offers fast and accurate color temperature adjustment and independent brightness dimming of a single zone. Designed for dynamic/tunable white and dual-color LED installations, this controller adjusts color temperature and brightness for warm and cool white LEDs. It also saves 3 preset scenes. Independent smooth dimming with 256 level brightness adjustment enables the DMX controller to achieve many colors within the full LED spectrum. Controller includes a power adapter that fits in junction box (not included) behind the controller. It contains an illuminated back light when powered off.

### Applications:

Indoor

### Power Input:

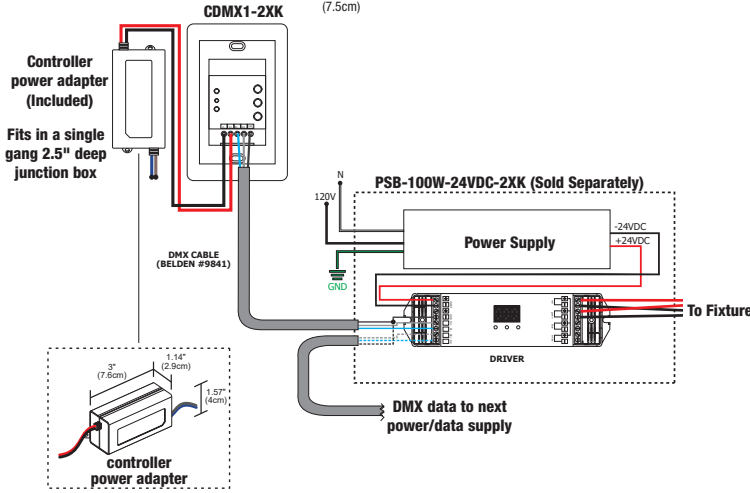
120-240VAC

### Installation:

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

### Output Signal:

USITT DMX 512 (1990)



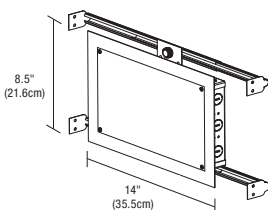
Product	Type	Finish
<b>CDMX1</b>	<b>2XK</b>	<b>WH</b>
CDMX1 DMX Single Zone Touch Controller	2XK 2 X Kelvin	WH White

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS <sup>1</sup>				
ORDERING CODE	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
<b>SPECIFICATIONS</b>				
<b>MAXIMUM LOAD</b>	100W	2X100W	3X100W	4X100W
<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>IN-WALL MOUNTING</b>	PSB-100W-24VDC-2XK-IW	NA	NA	NA
<b>DMX DYNAMIC/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

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

### IN WALL MOUNTING OPTIONS



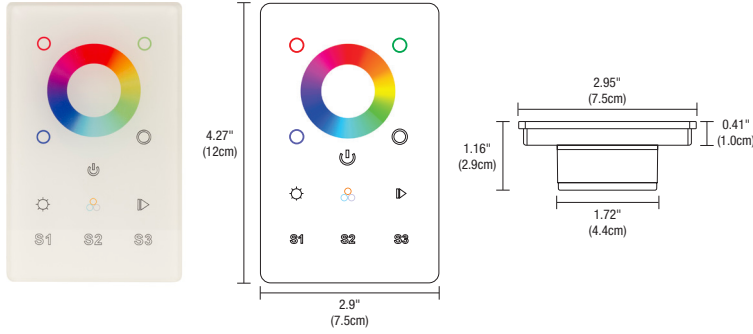
**8.5 x 14 inch In-Wall Mounting Kit:** Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

PROJECT		FIXTURE TYPE		DATE	
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# INDOOR DMX REMOTE POWER SUPPLIES

24VDC 1-ZONE DIMMER WITH DYNAMIC COLOR CHANGING DMX 512 PROTOCOL RGB AND RGBW



**Description:**

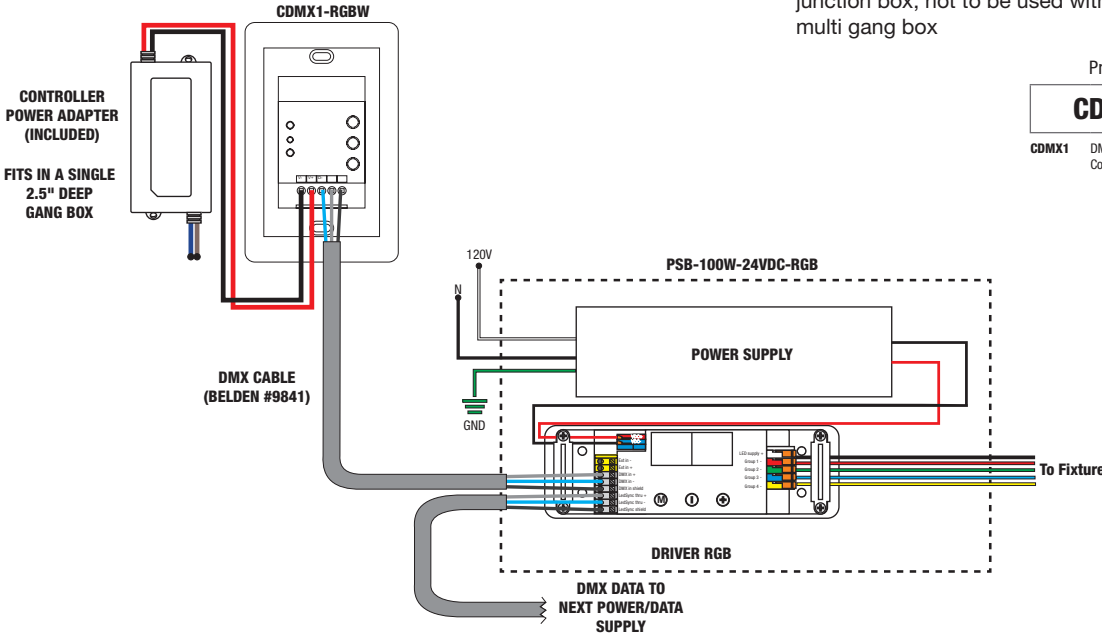
Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 1 zone controller can adjust RGB and RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications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

**Applications:**  
Indoor

**Power Input:**  
120-277VAC

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

**Output Signal:**  
USITT DMX 512 (1990)

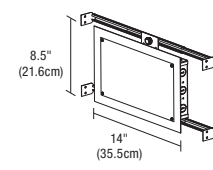


Product	Type	Finish
<b>CDMX1</b>	<b>RGBW</b>	<b>WH</b>
CDMX1 DMX 1 Zone Touch Controller	RGBW RGB & RGBW	WH White

**DYNAMIC 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
<b>SPECIFICATIONS</b>				
<b>MAXIMUM LOAD</b>	100W	2X100W	3X100W	4X100W
<b>INPUT VOLTAGE</b>	120-277VAC	120-277VAC	120-277VAC	120-277VAC
<b>OUTPUT VOLTAGE</b>	24VDC	24VDC	24VDC	24VDC
<b>DIMENSIONS</b>	12.14" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	17" X 13" X 3"
<b>CLASSIFICATION</b>	CLASS 2	CLASS 2	CLASS 2	CLASS 2
<b>IN-WALL MOUNTING</b>	PSB-100W-24VDC-RGB-IW	N/A	N/A	N/A
<b>DIMMING &amp; CONTROLS</b>				
<b>TOUCH SCREEN CONTROLLER (CTP)</b>	•	•	•	•
<b>COLOR DIAL CONTROLLER (CDP)</b>	•	•	•	•
<b>DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)</b>	•	•	•	•

Classification: UL2108 - \* 24VDC over 100 Watts, wires must be in conduit from Remote Power Supply to J-box.



**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-RGB-IW

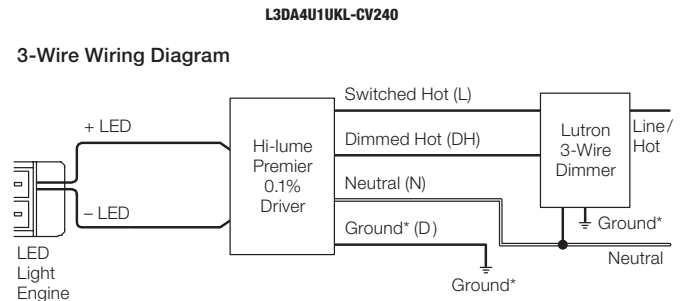
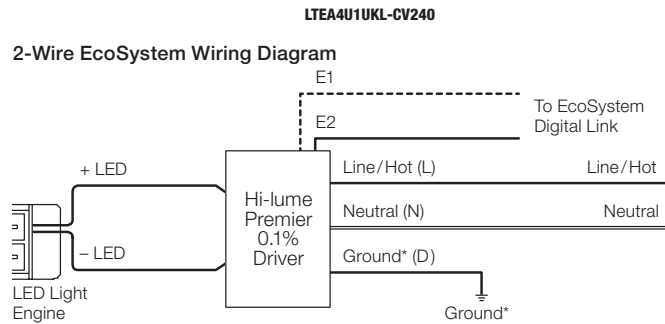
PROJECT	FIXTURE TYPE	DATE
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# INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

## 24VDC, LUTRON ECOSYSTEM

LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†			
ORDERING CODES	L3D0-96W24V-U 	2-WIRE ECOSYSTEM LTEA4U1UKL-CV240 	3-WIRE ECOSYSTEM L3DA4U1UKL-CV240 
	<b>SPECIFICATIONS</b>		
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
<b>DIMMING AND CONTROLS</b>			
RADIO RA2	•	•	•
HOMEWORKS QS	•	•	•
PHPM-3F-120	•	•	•
PHPM-3F-DV	•	•	•
BCI-0-10	•	•	•

†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.



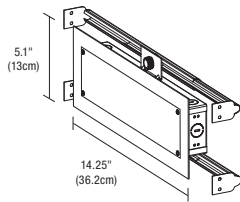
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ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS <sup>†‡</sup>				
ORDERING CODES	PS-60L-ELV-24VDC 	PSB-60W-ELV-24VDC 	PSB-2X60W-ELV-24VDC 	PSB-100W-ELV-24VDC 
SPECIFICATIONS				
MAXIMUM LOAD	60W NON-IC, 50W-IC (FITS IN JBOX)	60W	2X60W	96W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	2.25" X 1.25" X 0.83"	8.125" X 2" X 1.75"	12.15" X 6.48" X 2.18"	9.25" X 3.5" X 2"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN WALL MOUNTING	N/A	PSB-60W-ELV-24VDC-IW	PSB-2X60W-ELV-24VDC-IW	PSB-100W-ELV-24VDC-IW
ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS <sup>†‡</sup>				
ORDERING CODES	PSB-2X100W-ELV-24VDC 	PSB-3X100W-ELV-24VDC 	PSB-4X100W-ELV-24VDC 	
SPECIFICATIONS				
MAXIMUM LOAD	2X96W	3X96W	4X96W	
INPUT VOLTAGE	120VAC	120VAC	120VAC	
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	
IN WALL MOUNTING	PSB-2X100W-ELV-24VDC-IW	N/A	N/A	
DIMMING AND CONTROLS				
LUTRON DIVA: DVELV-300P	•	•	•	
LUTRON SKYLARK: SELV-300P	•	•	•	
LUTRON RADIO RA2: RRD-6NA	•	•	•	
LUTRON MAESTRO: MAELV-600	•	•	•	
LEGRAND ADORNE: ADTP-703TUM4	•	•	•	

<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 (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

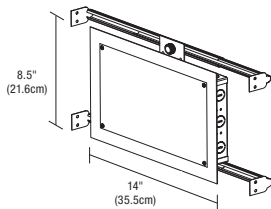
<sup>‡</sup>Electrical Panels using Seimens/Murray AFCI breakers are not compatible with this ELV transformer. Use 0-10 Volt power supplies with this breaker

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



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

**Ordering Codes:** PSB-60W-ELV-24VDC-IW  
PSB-100W-ELV-24VDC-IW



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

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

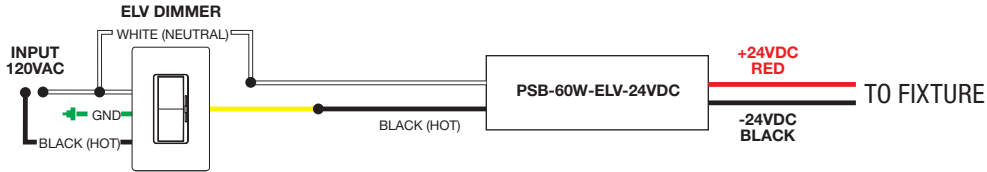
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**SAMPLE WIRING DIAGRAMS 24VDC ELV**

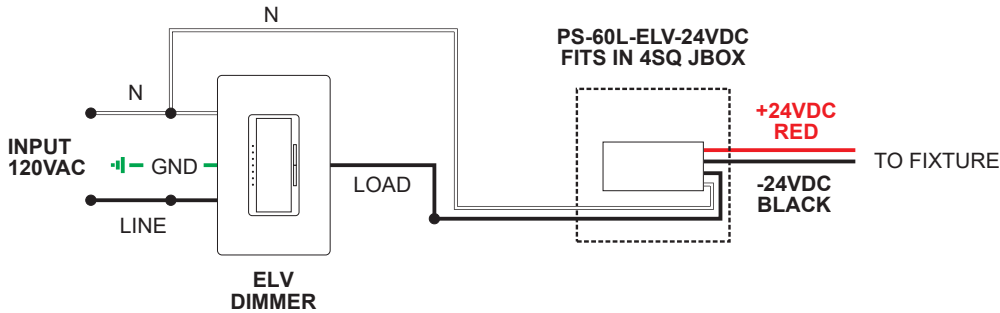
**Application:** ELV dimming for Static White

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



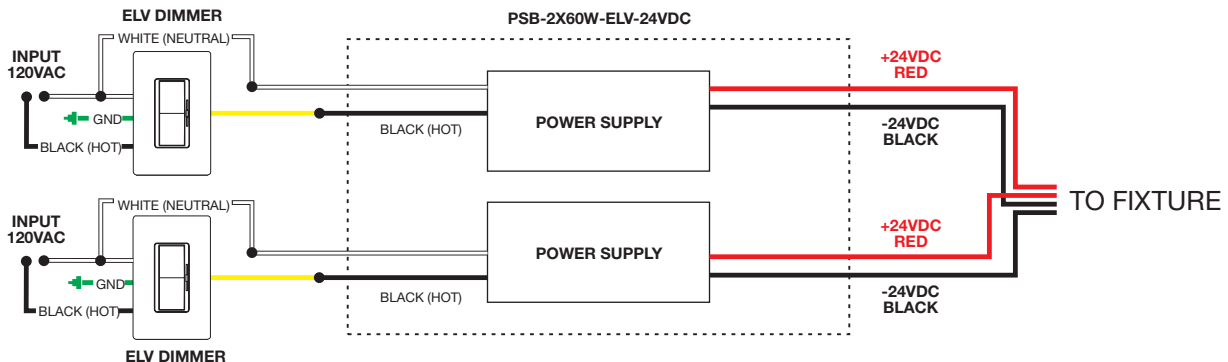
**Application:** ELV dimming for Static White

**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 Dynamic/Tunable White 2000K-4000K

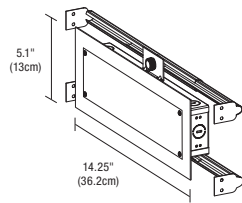
**Dimming:** Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2



PROJECT		FIXTURE TYPE		DATE	
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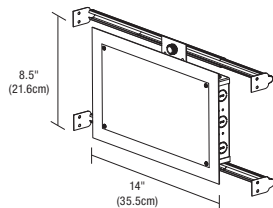
0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODE	PSB-25W-010-24VDC 	PSB-60W-010-24VDC 	PSB-96W-010-24VDC 	PSB-2X96W-010-24VDC 
SPECIFICATIONS				
MAXIMUM LOAD	25W	60W	96W	2X96W
INPUT VOLTAGE	120VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-25W-010-24VDC-IW	PSB-60W-010-24VDC-IW	PSB-96W-010-24VDC-IW	PSB-2X96W-010-24VDC-IW

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†			
ORDERING CODE	PSB-3X96W-010-24VDC 	PSB-4X96W-010-24VDC 	
SPECIFICATIONS			
MAXIMUM LOAD	3X96W	4X96W	
INPUT VOLTAGE	120-277VAC	120-277VAC	
OUTPUT VOLTAGE	24VDC	24VDC	
DIMENSIONS	14" X 10" X 3"	17" X 13" X 3"	
CLASSIFICATION	CLASS 2	CLASS 2	
IN-WALL MOUNTING	N/A	N/A	
DIMMING & CONTROLS			
PHILIPS SUNRISE: SR1200ZTUNV	•	•	
LUTRON DIVA: DVTV-WH, DVSTV-WH	•	•	
LUTRON NOVA T: NTSTV-DV-XX	•	•	
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•	
LUTRON RADIO RA2: RRD-10ND	•	•	
LEVITON: LEV40050	•	•	
LEVITON IP710-LFZ	•	•	
LEGRAND: ADPD4FBL3P2W4	•	•	



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

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



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

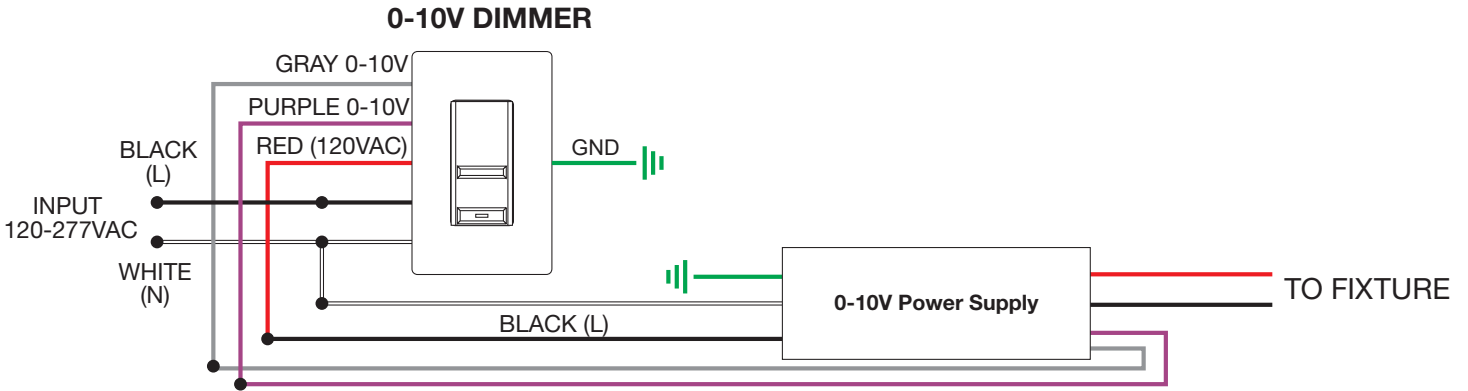
**Ordering Codes:** PSB-2X96W-010-24VDC-IW

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

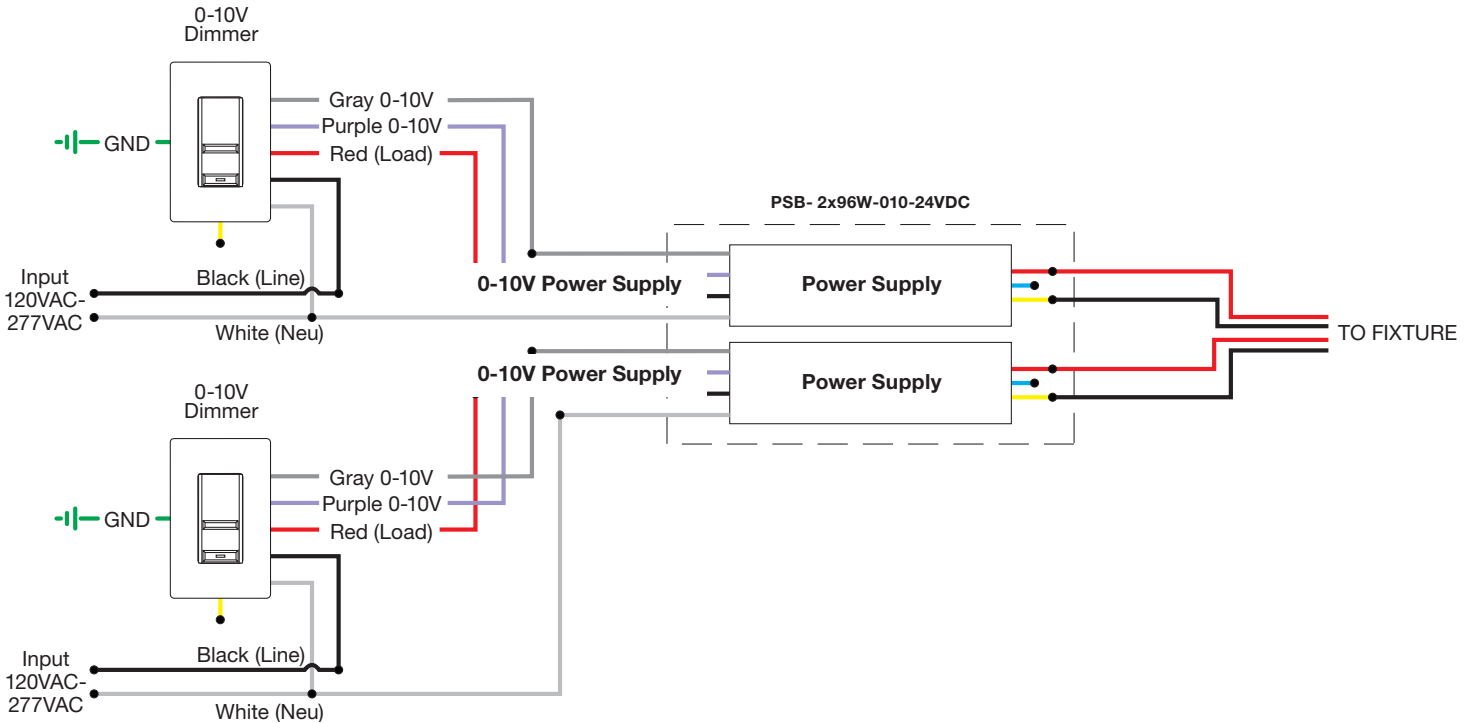
**Application:** 0-10V Dimming Applications For Static White and Dynamic Tunable White 0-10V Dual Dimming.

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



**Application:** Dual 0-10V dimming for Dynamic/Tunable White 2000K-4000K

**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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# LIGHT CHANNEL 0.3" DIY SURFACE MOUNT

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

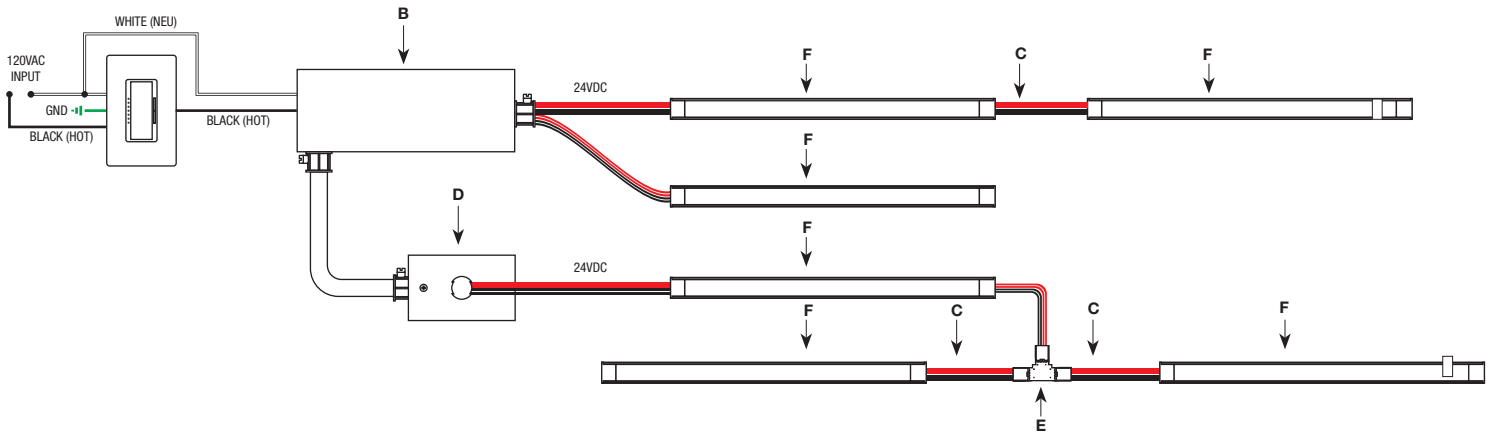
REV 02.11.20

**WIRING DIAGRAM:** Electronic Low Voltage (ELV) dimming for Light Channel .3 Surface Mount.

**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. DIY Light Channel .3 Surface Mount

PROJECT	FIXTURE TYPE	DATE

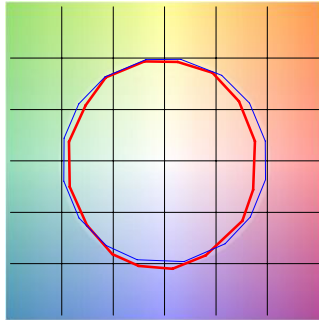
# LIGHT CHANNEL TM30 DATA

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

**TM-30-15 DATA:** The data below is for SS2C and SS5C 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

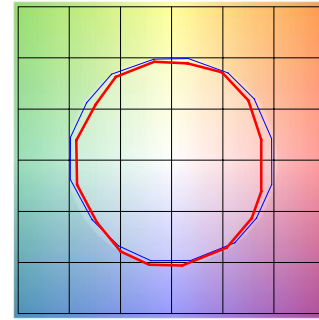


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	77.6	-10.0%	1.8%
2	80.7	-7.5%	7.0%
3	79.5	-2.9%	8.9%
4	90.5	-3.1%	2.4%
5	93.9	-1.3%	1.9%
6	91.9	-0.9%	-0.2%
7	87.6	-6.3%	-2.7%
8	90.5	-5.4%	2.7%
9	83.8	-4.7%	6.5%
10	81.2	-2.5%	10.0%
11	83.3	3.9%	9.4%
12	86.4	5.6%	2.6%
13	86.2	4.5%	-12.4%
14	64.3	-1.0%	-21.9%
15	85.1	-4.4%	-7.5%
16	75.0	-9.9%	-12.0%

**2400K** | Rf: 84.5 | Rg: 94.4

Color Vector Graphic

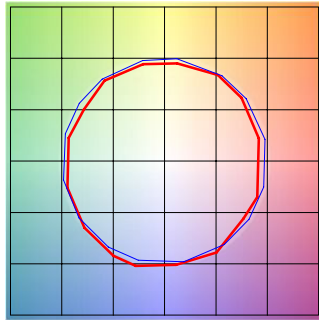


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	81.1	-7.7%	3.0%
2	84.9	-5.7%	4.9%
3	85.3	-2.3%	6.1%
4	87.7	-5.5%	-0.5%
5	92.5	-3.9%	0.5%
6	91.1	-3.4%	0.1%
7	86.0	-7.7%	0.5%
8	87.1	-6.0%	4.3%
9	80.1	-3.9%	9.8%
10	79.0	-0.9%	11.8%
11	82.3	5.5%	10.1%
12	87.6	5.4%	-0.5%
13	84.7	3.3%	-12.0%
14	78.0	0.8%	-13.7%
15	86.9	-5.5%	-4.3%
16	78.1	-7.5%	-10.8%

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

Color Vector Graphic

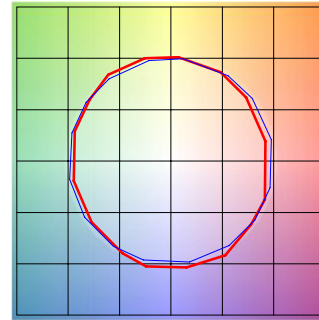


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	86.4	-5.6%	2.3%
2	89.7	-3.3%	3.1%
3	90.5	-1.5%	3.8%
4	90.0	-4.3%	1.1%
5	92.9	-3.7%	0.2%
6	93.5	-2.5%	-0.8%
7	86.3	-7.2%	2.5%
8	90.7	-4.0%	3.2%
9	85.2	-2.4%	8.1%
10	81.7	0.9%	10.8%
11	85.4	4.5%	8.9%
12	88.7	5.7%	-1.4%
13	88.3	1.3%	-7.9%
14	85.1	2.4%	-10.4%
15	88.1	-4.8%	-2.7%
16	81.7	-4.3%	-10.9%

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

Color Vector Graphic

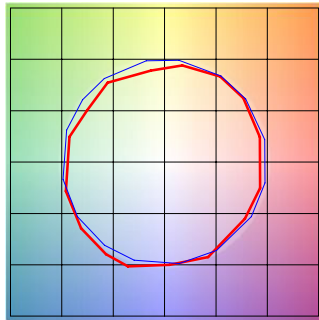


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	87.7	-5.9%	-0.3%
2	87.9	-4.4%	4.3%
3	82.9	-1.2%	7.9%
4	89.9	0.6%	4.7%
5	92.7	3.0%	3.5%
6	92.7	3.6%	-1.7%
7	90.8	-1.3%	-4.4%
8	93.7	-2.5%	-2.2%
9	91.7	-3.7%	2.3%
10	85.5	-2.8%	7.8%
11	83.3	0.7%	11.0%
12	86.4	5.5%	3.8%
13	90.6	4.6%	-3.6%
14	85.6	5.9%	-8.4%
15	89.5	-0.6%	-5.7%
16	82.6	-2.7%	-12.0%

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

Color Vector Graphic

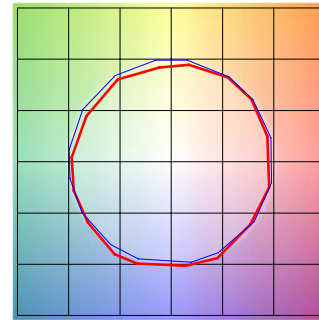


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	86.6	-4.2%	3.4%
2	91.7	-1.4%	1.8%
3	94.9	-0.7%	0.4%
4	87.9	-4.5%	-4.1%
5	85.9	-10.3%	-2.7%
6	89.8	-5.2%	-0.4%
7	79.6	-9.5%	6.5%
8	87.6	-4.0%	5.7%
9	81.4	-0.5%	11.8%
10	78.3	3.3%	11.4%
11	85.7	6.3%	6.1%
12	86.3	7.1%	-4.6%
13	86.1	-0.7%	-9.6%
14	85.1	0.8%	-10.4%
15	83.4	-4.1%	-5.3%
16	82.5	-3.6%	-5.7%

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

Color Vector Graphic



■ Test ■ Reference

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

PROJECT	FIXTURE TYPE	DATE
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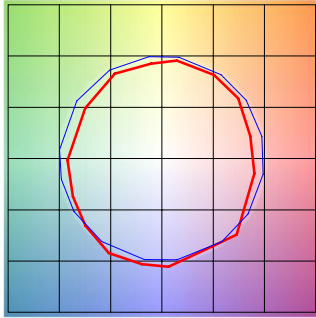
# LIGHT CHANNEL TM30 DATA

24VDC LED DO-IT-YOURSELF DYNAMIC WHITE/TUNABLE WHITE, WARM DIM, RGB

**TM-30-15 DATA:** The data below is for SS2C and SS5C 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

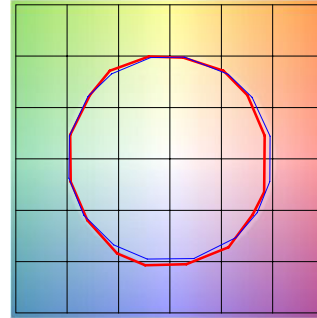


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	73.8	-11.2%	2.6%
2	83.7	-5.5%	5.8%
3	84.2	-4.0%	5.5%
4	85.8	-3.5%	1.3%
5	85.3	-7.1%	0.6%
6	89.2	-5.8%	-2.2%
7	81.5	-10.7%	1.2%
8	75.7	-9.7%	8.5%
9	74.9	-7.8%	18.8%
10	67.8	-1.6%	18.0%
11	76.1	5.5%	12.0%
12	90.8	4.9%	-1.6%
13	83.6	5.0%	-9.5%
14	81.7	-1.2%	-10.0%
15	69.0	2.0%	-22.8%
16	83.2	-8.5%	-1.0%

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

Color Vector Graphic

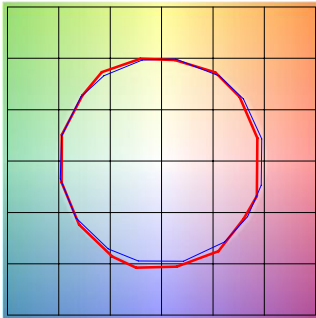


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

GRAPHIC SHIFTS %			
HUE BIN	Rf	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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