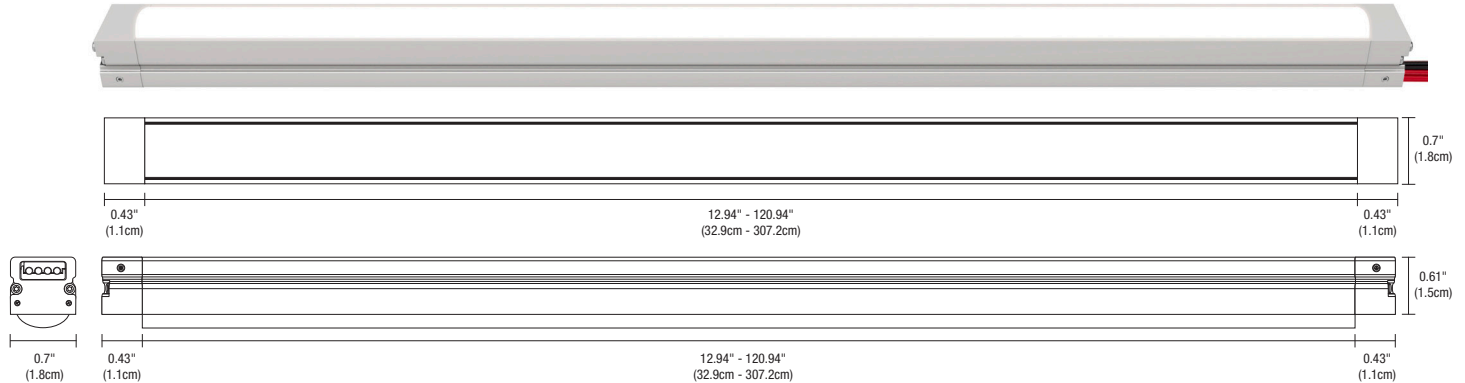


LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER SURFACE MOUNT

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

| | | | | | |
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| 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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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.

| | | |
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| 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

REV 09.07.21

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

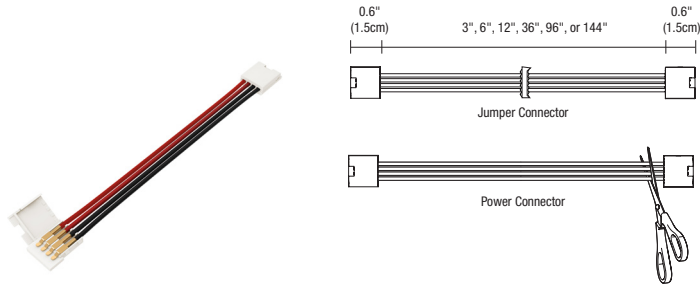
24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

REV 09.07.21

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

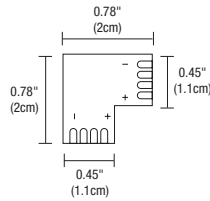
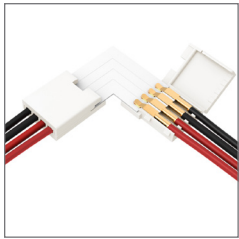
Power connector is included, may be ordered as a jumper connector. Join sections of Light Channel using Solderless Snap & Light L, T, or X Connectors below. To use as a power connector cut and strip the wires.



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

LIGHT CHANNEL SOLDERLESS SNAP & LIGHT L-CONNECTOR

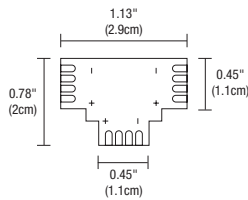
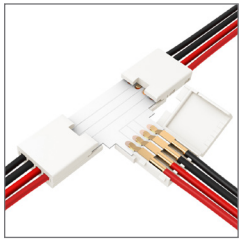
Conducts power to 2 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector (sold separately) for use.



| System | Product |
|------------------|------------------------------|
| LC | SLL |
| LC Light Channel | SLL Snap & Light L-Connector |

LIGHT CHANNEL SOLDERLESS SNAP & LIGHT T-CONNECTOR

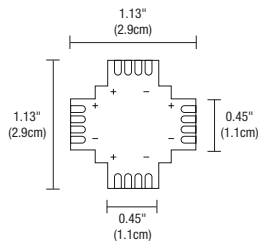
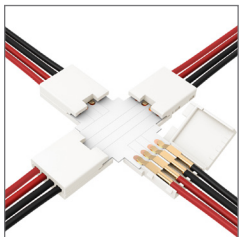
Conducts power to 3 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector for use (sold separately).



| System | Product |
|------------------|------------------------------|
| LC | SLT |
| 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 |
|------------------|------------------------------|
| LC | SLX |
| LC Light Channel | SLX Snap & Light X-Connector |

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

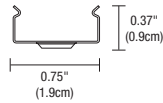
24VDC SURFACE MOUNT LIGHT CHANNEL, STATIC WHITE & COLOR, TUNABLE WHITE, WARM DIM & RGB

REV 09.07.21

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



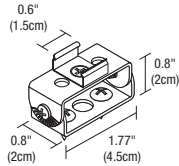
LCS.6-MCL



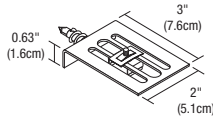
LCS.6-MCL

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.

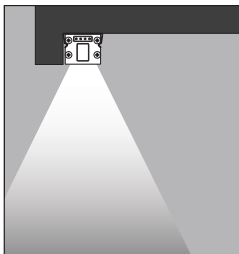


LCS.6-MCL-075

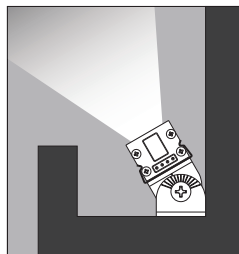


LCS.6-MCL-90

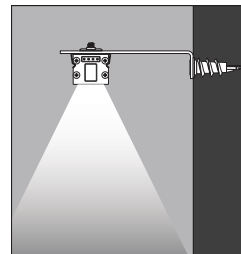
| System | Product | Type |
|--|-------------------|---|
| LCS.6 | MCL | Standard (Leave Blank) |
| LCS.6 Light Channel 0.6" Surface Mount | MCL Mounting Clip | 075 Adjusts 0-75° 90 Adjusts 90° |



SHOWN WITH LCS.6-MCL



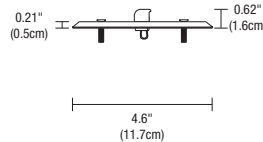
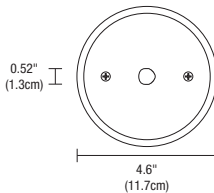
SHOWN WITH LCS.6-MCL-075



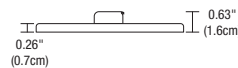
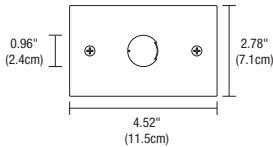
SHOWN WITH LCS.6-MCL-90



4RD-WH



3RE-WH



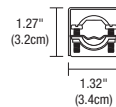
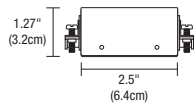
CANOPY COVER & SPLICE BOX

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 |
|--------------------------------------|-----------------|
| 3RE | WH |
| 3RE 3" Rectangle Canopy Cover | WH White |
| 4RD 4" Round Canopy Cover | |
| 1RB 1" Rectangle Splice Box | |



1RB-WH



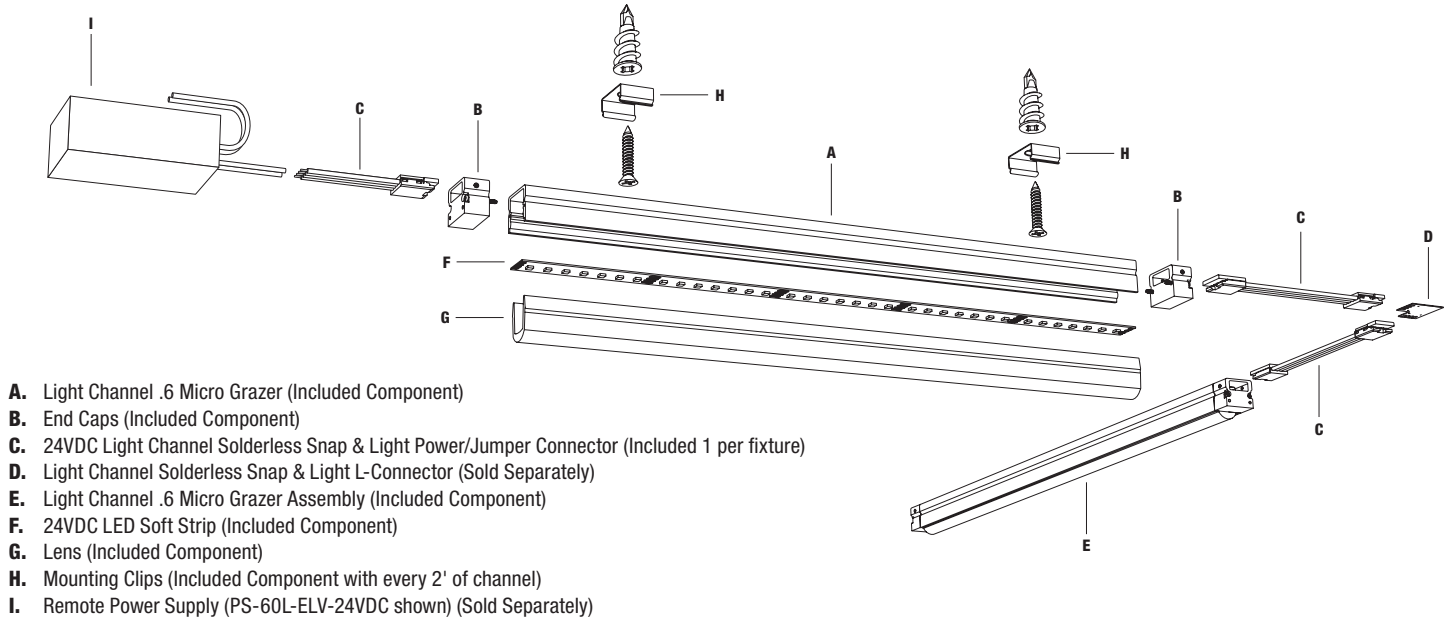
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| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

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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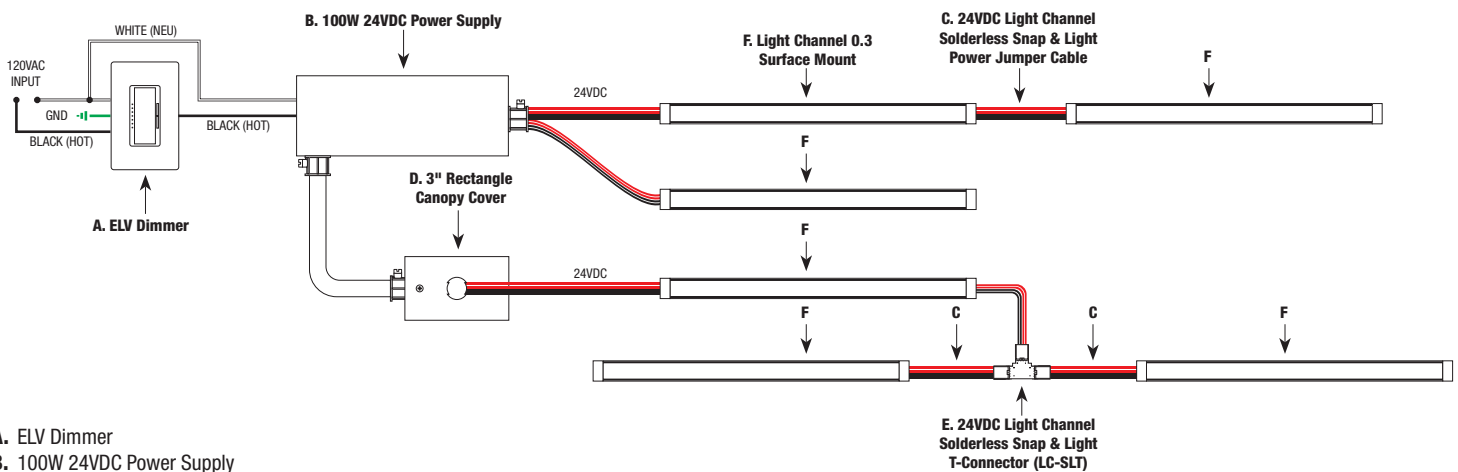
INCLUDED COMPONENTS: Light Channel .6 Micro Grazer system overview



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 |
|---------|--------------|------|
| | | |

| 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: DVTW-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 | • | • | • | • |

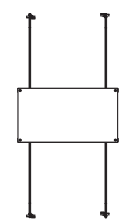
- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power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

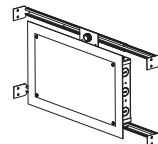
*Title 24 with JAB listed PureEdge products and systems

*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

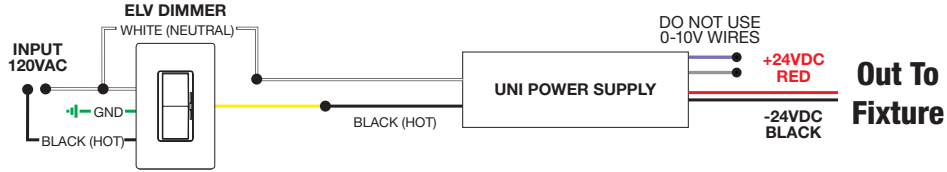
Ordering Codes 8.5" x 14.25": PSB-2X40W-UNI-24VDC-IW, PSB-2X60W-UNI-24VDC-IW, PSB-2X96W-UNI-24VDC-IW

| | | |
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| PROJECT | FIXTURE TYPE | DATE |
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WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

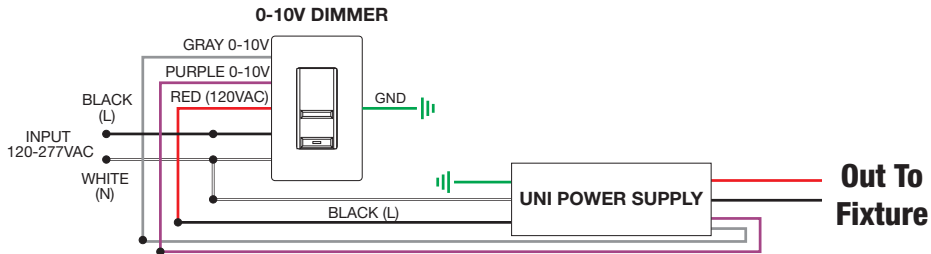
Application: ELV dimming for Static White and Warm Dim

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



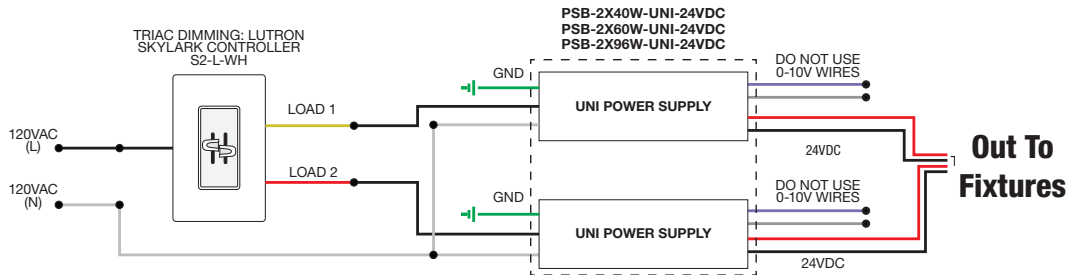
Application: 0-10V dimming for Static White

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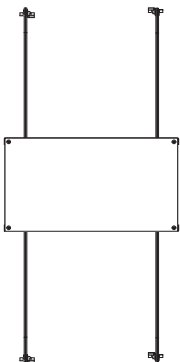
| ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS ^{†‡} | | | | |
|---|-----------------------------------|-------------------------|-------------------------|-----------------------|
| ORDERING CODES | PS-60L-ELV-24VDC | PSB-60W-ELV-24VDC | PSB-2X60W-ELV-24VDC | PSB-100W-ELV-24VDC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

[†]22K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-Lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies. Tunable White color temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-Lume® Power Supplies. Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

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

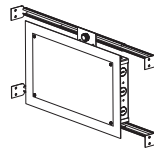
With N-Lite Dimming Do Not use ELV power supplies, use only 0-10 volt or Uni drivers power supplies

**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

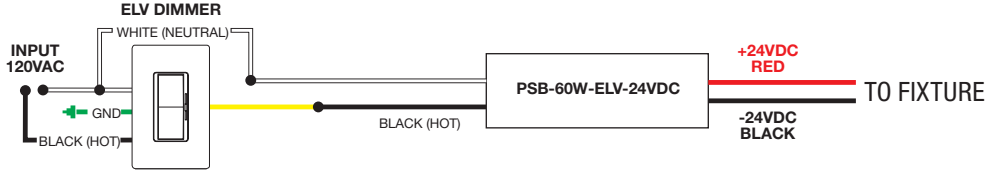
Ordering Codes 8.5" x 14.25": PSB-2X60W-ELV-24VDC-IW
 PSB-2X100W-ELV-24VDC-IW

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

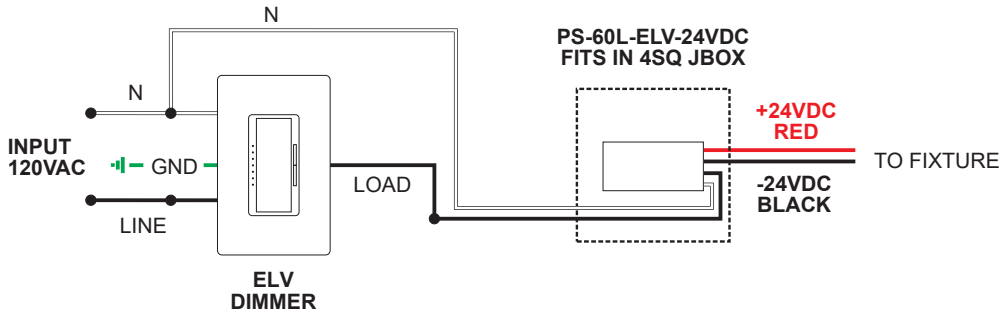
Application: ELV dimming for Static White

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



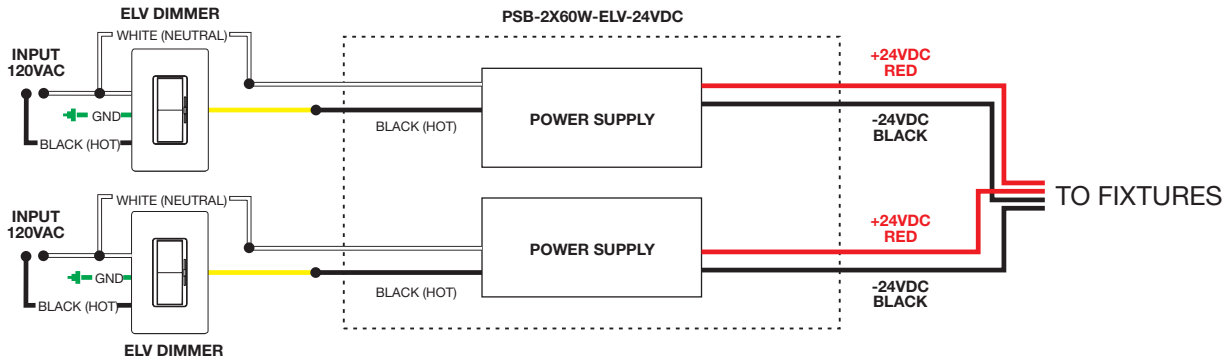
Application: ELV dimming for Static White

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



| | | | | | |
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| 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

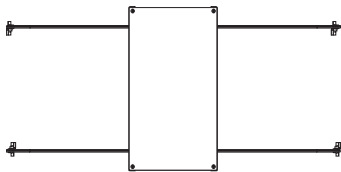
| | | | |
|--------------------------------|---|---|---|
| PHILIPS SUNRISE: SR1200ZTUNV | • | • | • |
| LUTRON DIVA: DVTV-WH, DVSTV-WH | • | • | • |
| LUTRON NOVA T: NTSTV-DV-XX | • | • | • |
| LUTRON GRAFIX EYE QS: QSGRJ-XP | • | • | • |
| LUTRON RADIO RA2: RRD-10ND | • | • | • |
| LEVITON: LEV40050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

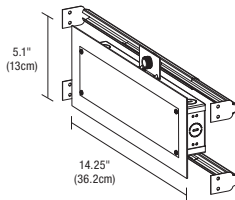
*Title 24 compliant when used with JAB listed PureEdge systems.

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



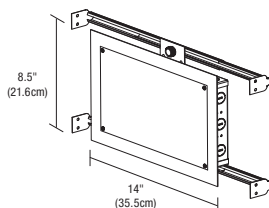
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

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

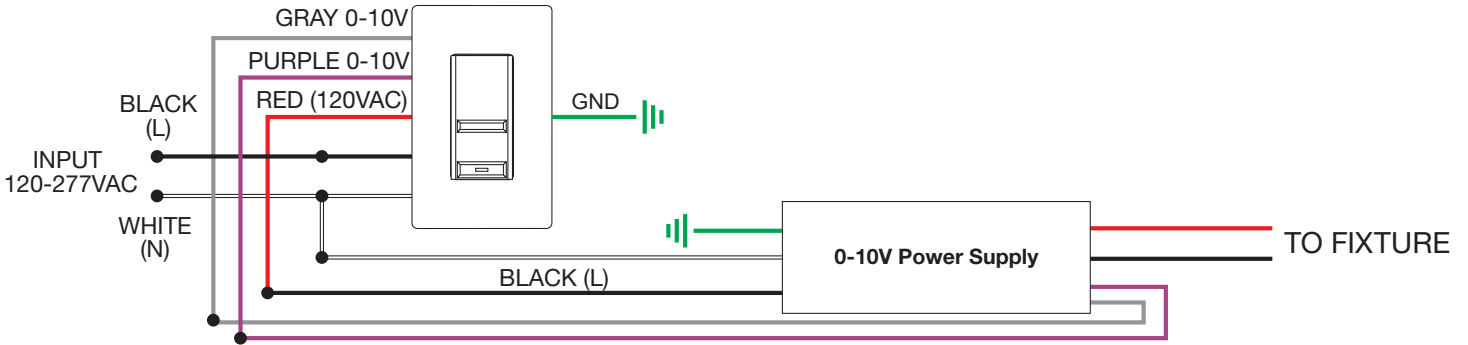
| PROJECT | FIXTURE TYPE | DATE |
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SAMPLE WIRING DIAGRAMS 24VDC 010

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

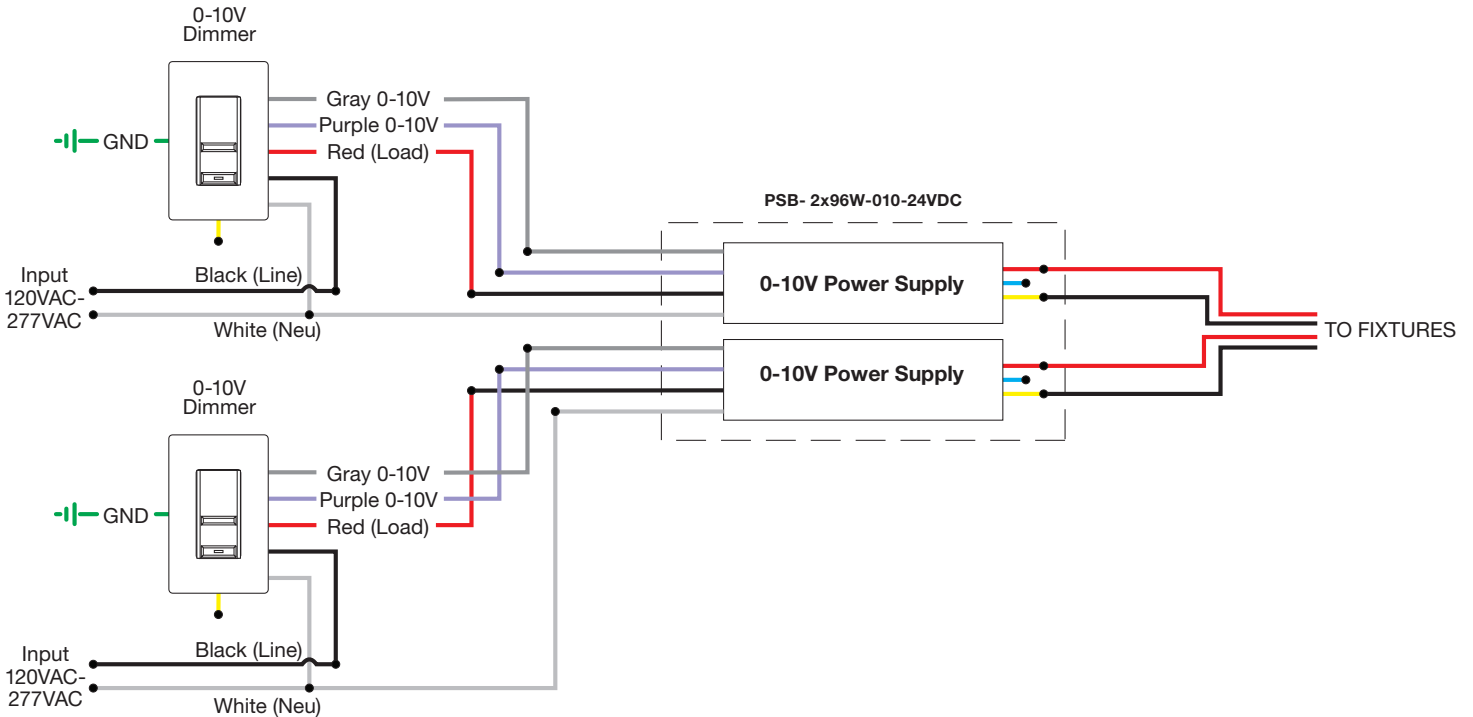
Dimming: Dimmable with 0-10V dimmers: Signify (Phillips) Sunrise: SR1200ZTUNV, Leviton Dimmers: LEV40050, IP710-LFZ, *IP710-DLZ *(Built in LED locator light) Legrand Dimmer: ADPD4FBL3P2W4 Lutron Systems: Lutron GRAFIX Eye QS Main Unit (with DRX-TVI) Radio Ra2 (with GRX-TVI)

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)



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

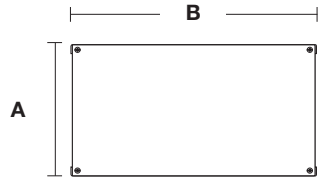
24VDC INDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

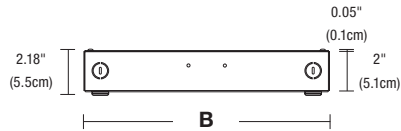
REV 09.07.21



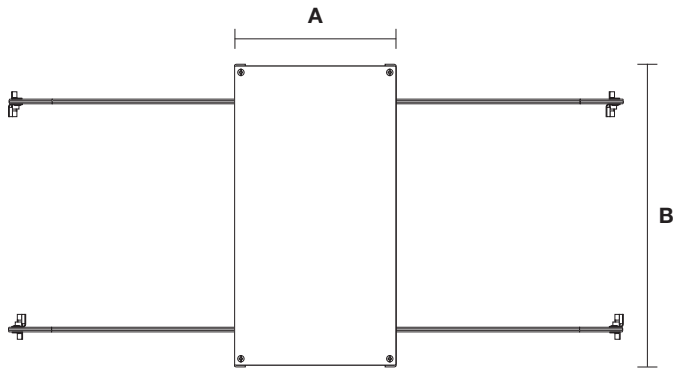
PSB-96W-010-24VDC-2XK



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)

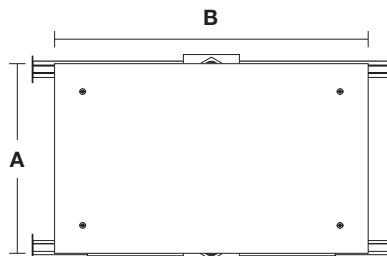
COMPLIANCE

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



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



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

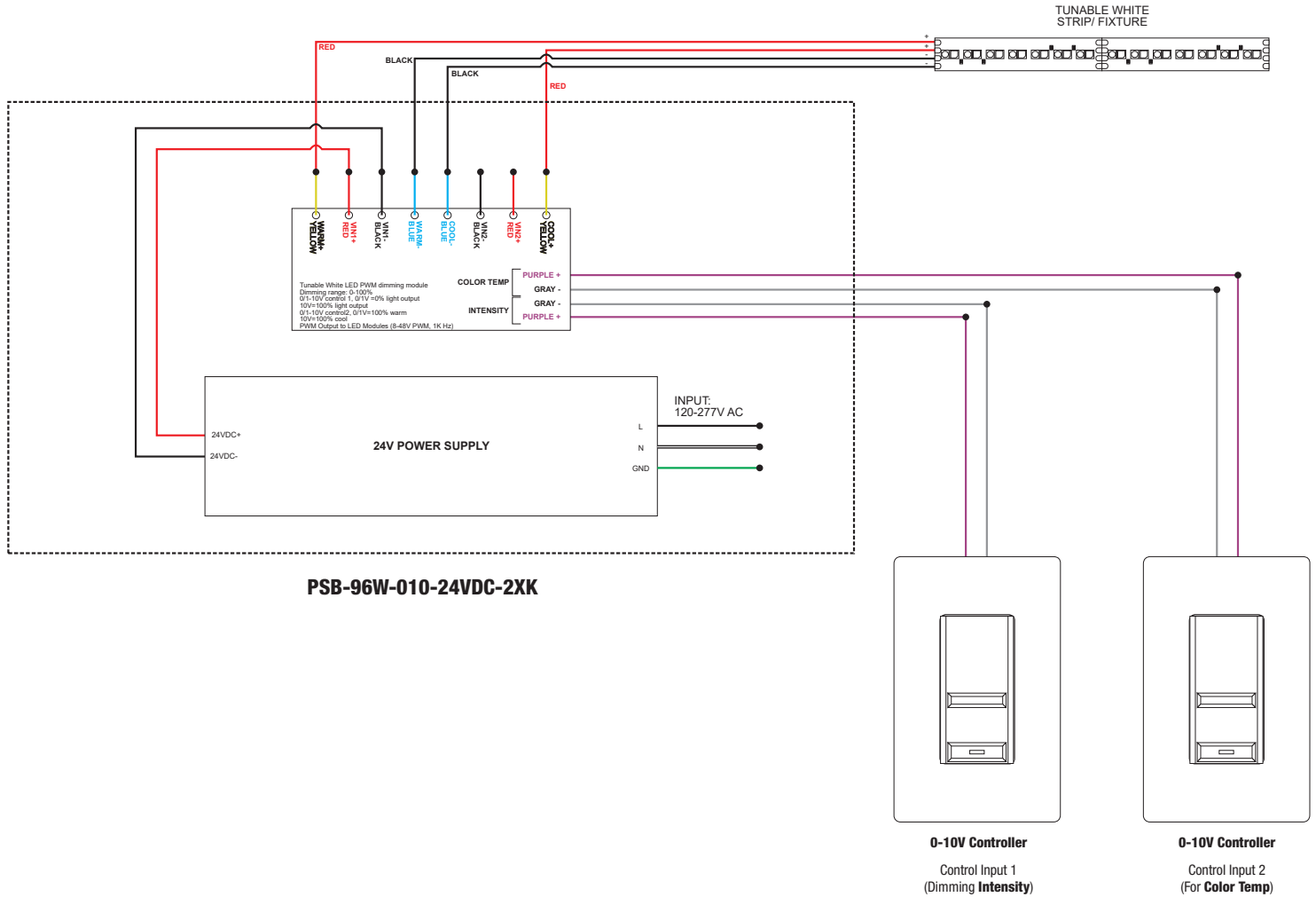
| IN-WALL DIMENSIONS | | |
|--------------------------|------|--------|
| | A | B |
| PSB-96W-010-24VDC-2XK-IW | 8.5" | 14.25" |

| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

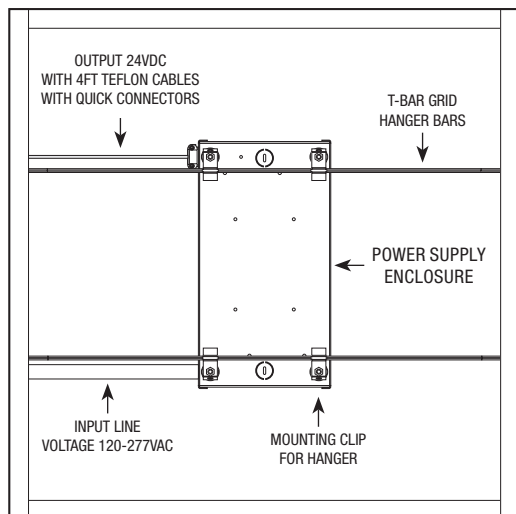
INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY

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

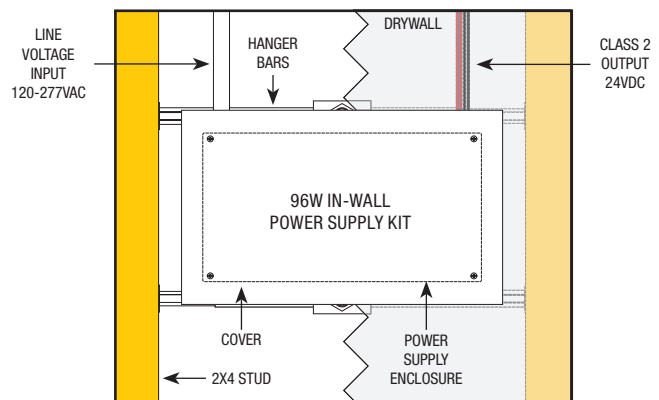
Application: 0-10V dimming for Tunable White LED Strip/Fixture



T-BAR GRID CEILING



IN WALL KIT



| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

PSB- X100W-24VDC

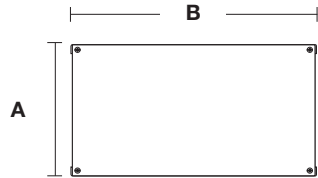
24 VOLT DC, NON-DIMMING POWER SUPPLY

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

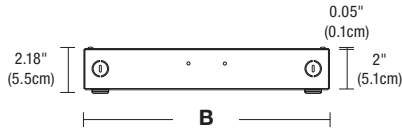
REV 09.07.21



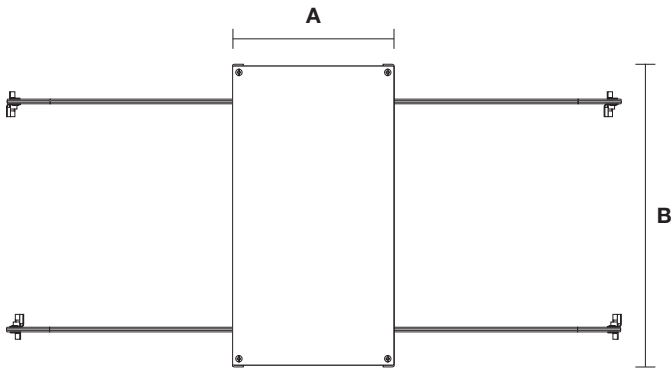
PSB-2X100W-24VDC



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.

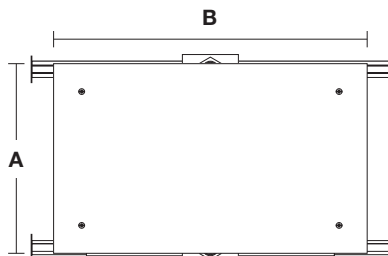
*Title 24 with JA8 listed PureEdge products and systems

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

| 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)

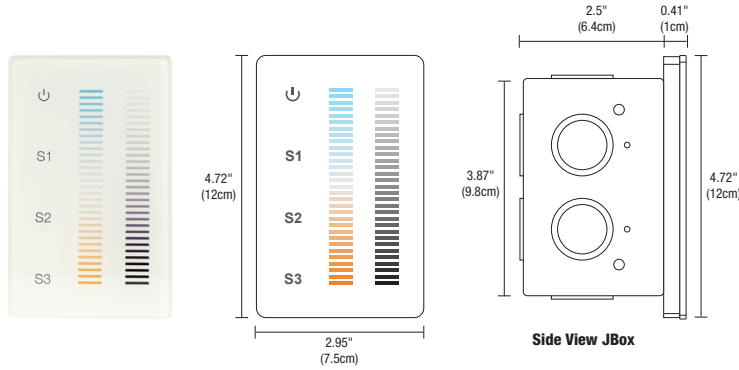
| IN-WALL DIMENSIONS | | |
|---------------------|------|--------|
| | A | B |
| PSB-100W-24VDC-IW | 5.1" | 14.25" |
| PSB-2X100W-24VDC-IW | 8.5" | 14.25" |

| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

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:

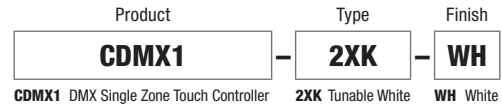
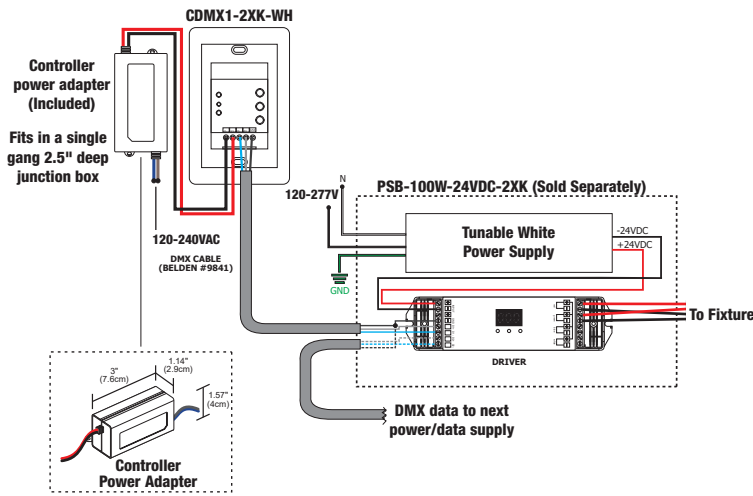
Fits in a single gang 2.5" deep junction box. Not compatible with multi-gang boxes.

LABELS:

ROHS, FCC, Damp Location, ETL/UL

POWER INPUT:

120-240VAC

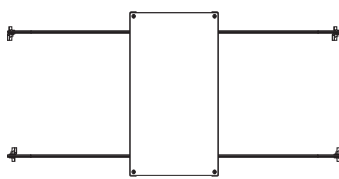


COLOR CHANGING (DMX) POWER SUPPLIES

| ORDERING CODE | PSB-100W-24VDC-2XK | PSB-2X100W-24VDC-2XK | PSB-3X100W-24VDC-2XK | PSB-4X100W-24VDC-2XK |
|---|---|---|---|---|
| SPECIFICATIONS | | | | |
| MAXIMUM LOAD OF LED STRIP LENGTH | 100W 5 WATTS - 20FT MAX. 10 WATTS - 10FT MAX. | 2X100W 5 WATTS 2 X 20FT MAX. 10 WATTS - 2 X 10FT MAX. | 3X100W 5 WATTS 3 X 20FT MAX. 10 WATTS - 3 X 10FT MAX. | 4X100W 5 WATTS 4 X 20FT MAX. 10 WATTS - 4 X 10FT MAX. |
| INPUT VOLTAGE | 120-277VAC | 120-277VAC | 120-277VAC | 120-277VAC |
| OUTPUT VOLTAGE | 24VDC | 24VDC | 24VDC | 24VDC |
| DIMENSIONS | 12.4" X 6.48" X 2.18" | 14" X 10" X 3" | 17" X 10" X 3" | 17" X 10" X 3" |
| CLASSIFICATION | CLASS 2 | CLASS 2 | CLASS 2 | CLASS 2 |
| T-BAR MOUNTING | PSB-100W-24VDC-2XK-TB | PSB-2X100W-24VDC-2XK-TB | PSB-3X100W-24VDC-2XK-TB | PSB-4X100W-24VDC-2XK-TB |
| IN-WALL MOUNTING | PSB-100W-24VDC-2XK-IW | NA | NA | NA |
| DMX TUNABLE WHITE DIMMING & CONTROLS | | | | |
| TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK) | • | • | • | • |

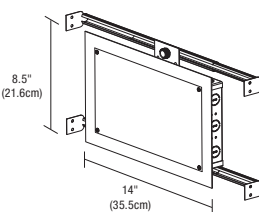
- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements

- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90



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

Ordering Codes:
 PSB-100W-24VDC-2XK-TB
 PSB-2x100W-24VDC-2XK-TB
 PSB-3x100W-24VDC-2XK-TB
 PSB-4x100W-24VDC-2XK-TB



8.5" 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 |
|---------|--------------|------|

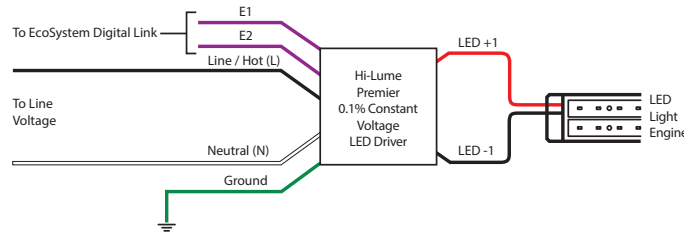
LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†

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

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

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

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



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

| Product | Model Number | | Drivers Per Control | Recommended System Version ² |
|---|---|------|-----------------------|---|
| | 120V | 277V | | |
| PowPak Dimming Module with EcoSystem | RMJ-ECO32-DV-B URMJ-ECO32-DVB | | 32 Per EcoSystem link | 5.9 or Higher |
| PowPak Wireless Fixture Control with EcoSystem¹ | FJC-ECO FJCS-ECO | | 3 Per EcoSystem link | 0796554 or Higher |
| Energi Savr Node unit with EcoSystem | QSN-1ECO-S, QSN-2ECO-S, QSN-2ECO-PS120, UQSN-1ECO-S, UQSN-2ECO-S, | | 64 Per EcoSystem link | 9.027 or Higher |
| GRAFIK Eye QS unit with EcoSystem | QSGRJ-_E- QSGR-_E- | - | 64 Per EcoSystem link | 9.009 or Higher |
| Quantum Light Management Hub | AYF-103P- | - | 64 Per EcoSystem link | 3.2 or Higher ³ |
| Homeworks QS with EcoSystem | LQSE-2ECO-D- QSGRJ-_E- QSGR-_E- | - | 64 Per EcoSystem link | 10 or Higher ⁴ |

1: All devices connected to one PowPak Wireless Fixture Control will be controlled together. Devices will dim to the same level as the result of a control command. The wireless fixture control will need to have it's low end level reprogrammed to dim to 0.1% output. For more details on adjusting low end light level refer to Application Note #556 at www.Lutron.com

2: For lower system versions please visit www.Lutron.com/LEDsystemcheck to check if your system requires changes

3: Version 3.1 (or later) is required to dim lower than 1%

4: Version 7.0 (or later) is required to dim lower than 1%

| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

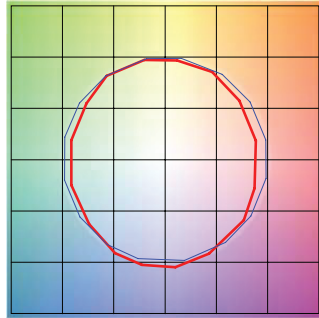
TM30 DATA

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

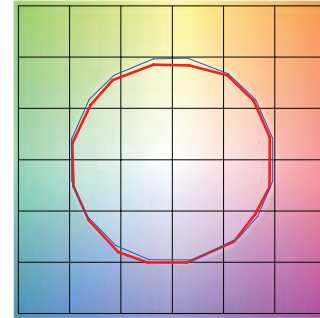


■ Test ■ Reference

| 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

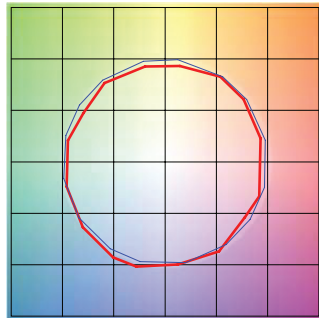


■ Test ■ Reference

| 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

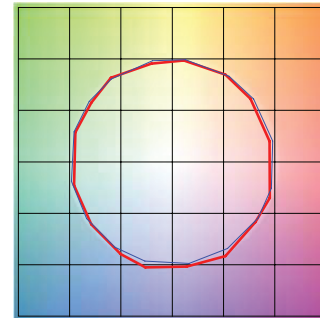


■ Test ■ Reference

| 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

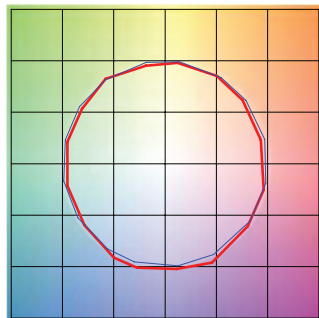


■ Test ■ Reference

| 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

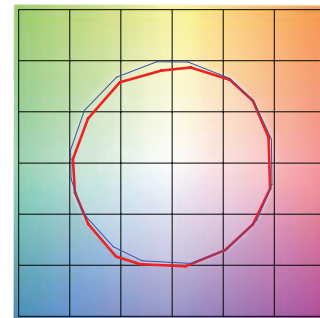


■ Test ■ Reference

| 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 |
|---------|--------------|------|

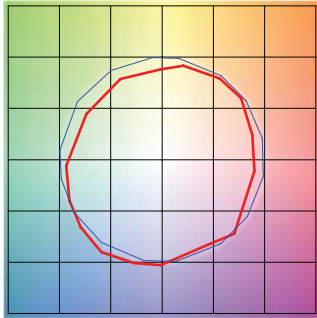
TM30 DATA

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

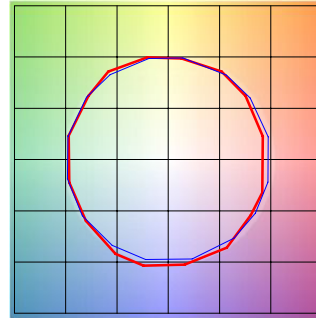


■ Test ■ Reference

| 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

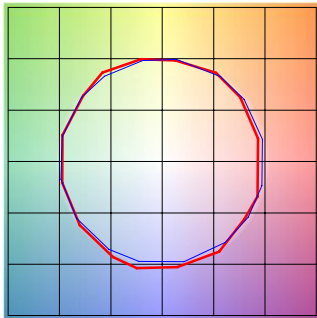


■ Test ■ Reference

| 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 |
|---------|--------------|------|