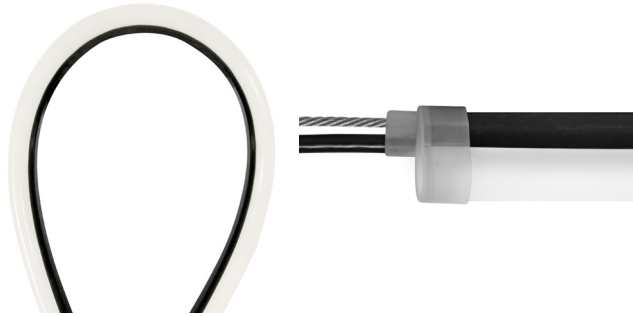# SABER SUSPENSION, 0.8" ROUND OUTDOOR WET LOCATION
## 24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

ASSEMBLED IN AMERICA | US PATENT PENDING

**PURE EDGE** LIGHTING

## DESCRIPTION

Visually stimulating and housed within an unconventional silicone lens, PureEdge's Flexible Saber Line is Tension hung offering flexible installation and conceptual yet functional design. The SCS8 bends Up and Down giving it the unique ability to traverse open spaces wall to wall, wall to ceiling, or floor to ceiling. The 0.75" wide round lens, offers superior color quality and performance while creating uniform illumination without pixelation. Offered in various color temperatures ranging from 2000K to 5700K, including two Warm Dim options of 2700K **(27D)** or 3000K **(30D)** and Tunable White **(2K6K or 27K6)**. Using the latest in LED Technology Tunable White grants independent control for adjusting color temperature and brightness. Use with two dimmers or, our proprietary Tunable White Controller **(CDMX-1)** for fast and accurate adjustment with three pre-set scenes (Ordered separately). Saber is an **IP65 rated wet location** system featuring watertight barrel connections. Fixture includes a 5-year pro-rated warranty.

## SPECIFICATIONS

| | |
|---|---|
| DIMENSIONS | 1.12" Height 0.66" (top) 0.75" (bottom) |
| INPUT | 5" leads |
| POWER SUPPLIES | Remote 24VDC power supply required |
| POWER CONSUMPTION | 4.4 or 7.3 watts per foot |
| INCREMENTS | 1' |
| MAX LENGTH | 5W - Up to 40ft with power feeds at both ends, 20ft with one feed<br>7W - 24ft with power feeds at both ends, 12ft with one feed |
| MATERIAL | UV Resistant PVC |
| OPERATING TEMPERATURE | -40° F (-40° C) to 122° F (+50° C) |
| AVERAGE LED LIFE | 50,000 hrs |
| WARRANTY | 5 Year pro-rated |
| COMPLIANCE | Class 2 Wiring, Outdoor Wet Location with Water Tight Barrel Connectors IP65 Rated, ETL listed, Title 24 with select power supplies |

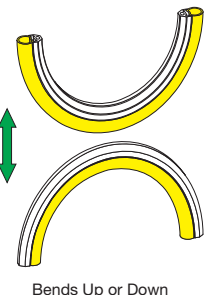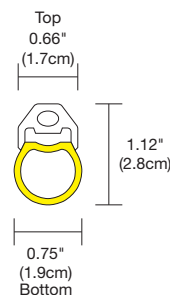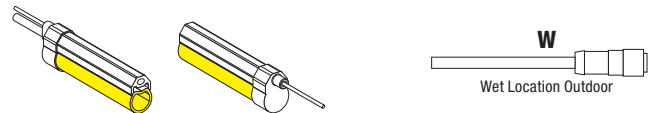## REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)

- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)** with corresponding dimmer
- 0-10V
- Color Changing **(DMX)**

## LUMEN PERFORMANCE at 3000K 7W PER FOOT
(Refer to page 2 for full lumen data)

| | |
|---|---|
| LUMEN OUTPUT | 557 lm/ft |
| EFFICIENCY | 76 lm/watt |
| CRI | 92 |
| R9 | 73 |
| BEAM ANGLE | 160° |
| BEAM TOLERANCE | +/- 30CCT |

### Wet Location End Feed with Aircraft Cable



W
Wet Location Outdoor

Top 0.66" (1.7cm)

1.12" (2.8cm)

0.75" (1.9cm) Bottom

Bends Up or Down

| System | Viewing Angle Model Shape | Wattage | Length in Feet | Color Temperature | | 5" Input Wire Feed | Output Wire | Environment |
|---|---|---|---|---|---|---|---|---|
| **FN** | **SCS8** | **5W** | **20** | **27K** | | **E** | **CA** | **W** |
| FN Flex Neon 24V | SCS8 Suspension Saber .8" bends up/down. Order suspension aircraft cable separately. | 5W 4.4 watts per foot<br>7W 7.3 watts per foot | 5W - Up to 20ft with power feed at one end<br>7W - Up to 12ft with power feed at one end<br><br>Lengths surpassing 26ft may have a slight sag up to 1" | 20K 2000K Candle Light White<br>22K 2200K Amber White<br>24K 2400K Very Warm White<br>27K 2700K Incandescent White<br>27D* 2700K Warm Dim, Dims to 1800K<br>30K 3000K Warm White | 30D* 3000K Warm Dim, Dims to 2000K<br>35K 3500K Neutral White<br>40K 4000K Cool White<br>57K 5700K Daylight White<br>2K6K Tunable White 2000K-6500K<br>27K6 Tunable White 2700K-6500K | E End Power Input Wire | CA Cap at end, no feed through | W Outdoor wet location Barrel Connector cable leads |

| System | Viewing Angle Model Shape | Wattage | Length in Feet | Color Temperature | | 5" Input Wire Feed | Output Wire | Environment |
|---|---|---|---|---|---|---|---|---|
| **FN** | **SCS8** | **5W** | **40** | **27K** | | **E** | **E** | **W** |
| FN Flex Neon 24V | SCS8 Suspension Saber .8" bends up/down. Order suspension aircraft cable separately. | 5W 4.4 watts per foot<br>7W 7.3 watts per foot | 5W - 21-40ft with power feed at both ends<br>7W - 13-24ft with power feed at both ends<br>Lengths surpassing 26ft may have a slight sag up to 1" | 20K 2000K Candle Light White<br>22K 2200K Amber White<br>24K 2400K Very Warm White<br>27K 2700K Incandescent White<br>27D* 2700K Warm Dim, Dims to 1800K<br>30K 3000K Warm White | 30D* 3000K Warm Dim, Dims to 2000K<br>35K 3500K Neutral White<br>40K 4000K Cool White<br>57K 5700K Daylight White<br>2K6K Tunable White 2000K-6500K<br>27K6 Tunable White 2700K-6500K | E End Power Input Wire | E End Wire Lead Out | W Outdoor wet location Barrel Connector cable leads |

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

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# SABER SUSPENSION, 0.8" ROUND OUTDOOR WET LOCATION
## 24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE
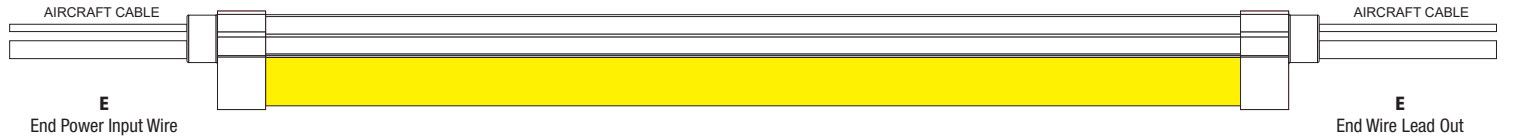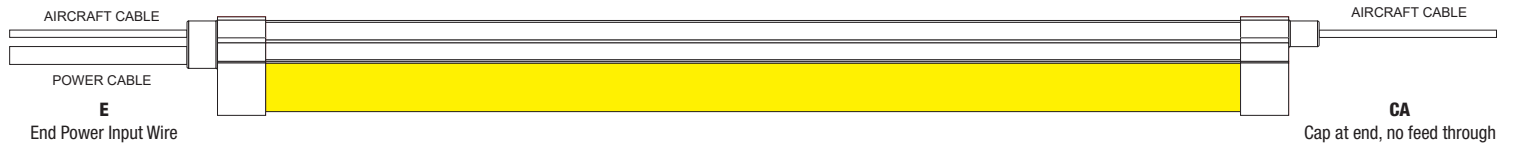
REV 05.04.21

**Lamp Data:** Lamp Data for Saber Line SCS8

| | FN-SCS8 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WATTS PER FOOT | 5W (4.4 watts) | | | | | | | | | 7W (7.3 watts) | | | | | | |
| COLOR TEMPERATURE | 22K | 24K | 27K | 27D* | 30K | 30D* | 35K | 40K | 57K | 22K | 24K | 27K | 30K | 35K | 40K | 57K |
| LUMENS PER FOOT (lm/ft) | 257 | 283 | 312 | 398 | 342 | 405 | 392 | 426 | 453 | 419 | 462 | 509 | 557 | 639 | 695 | 738 |
| LUMENS PER WATT (lm/w) | 58 | 64 | 71 | 83 | 78 | 84 | 89 | 97 | 103 | 57 | 63 | 70 | 76 | 87 | 95 | 101 |
| CRI | 92+ | 92+ | 92+ | 94+ | 92+ | 94+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ |

*27D, 30D - Warm Dim 5 Watts Only

| | 2K6K - 5W (4.4 watts) | | | | | | | | 27K6 - 5W (4.4 watts) | | | | | | | 2K6K - 7W (7.3 watts) | | | | | | | | 27K6 - 7W (7.3 watts) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WATTS PER FOOT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COLOR TEMPERATURE | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K | 27K | 30K | 35K | 40K | 45K | 57K | 65K |
| LUMENS PER FOOT (lm/ft) | 280 | 295 | 309 | 323 | 354 | 368 | 382 | 319 | 318 | 296 | 303 | 314 | 325 | 322 | 319 | 318 | 378 | 422 | 466 | 509 | 550 | 586 | 517 | 431 | 429 | 399 | 408 | 424 | 439 | 434 | 431 | 429 |
| LUMENS PER WATT (lm/w) | 70 | 64 | 67 | 70 | 77 | 80 | 95 | 69 | 79 | 74 | 66 | 68 | 71 | 70 | 69 | 79 | 59 | 59 | 65 | 71 | 76 | 81 | 81 | 60 | 67 | 62 | 57 | 59 | 61 | 60 | 60 | 67 |
| CRI | 91+ | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | 93+ | 93+ | 92+ | 92+ | 92+ | 95+ | 93+ | 93+ | 93+ | 91+ | 91+ | 91+ | 94+ | 94+ | 94+ | 91+ | 93+ | 93+ | 92+ | 92+ | 92+ | 95+ | 93+ | 93+ | 93+ |

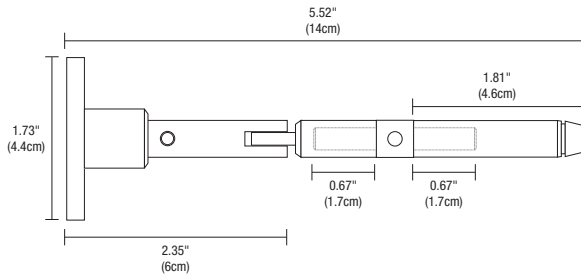*Tunable White has a variance in color temperature due to the curvature of the material.

**Drawings:** Saber Line SCS8



AIRCRAFT CABLE

POWER CABLE

**E**
End Power Input Wire

AIRCRAFT CABLE

**CA**
Cap at end, no feed through



AIRCRAFT CABLE

**E**
End Power Input Wire

AIRCRAFT CABLE

**E**
End Wire Lead Out

**LENGTH CHART** Actual lengths for Saber Line SCS8

| LENGTH CHART | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ordering Code (Nominal Size) | Actual Length (Inches) | Ordering Code (Nominal Size) | Actual Length (Inches) | Ordering Code (Nominal Size) | Actual Length (Inches) | Ordering Code (Nominal Size) | Actual Length (Inches) |
| 1 | 12.75 | 11 | 132.75 | 21 | 252.75 | 31 | 372.75 |
| 2 | 24.75 | 12 | 144.75 | 22 | 264.75 | 32 | 384.75 |
| 3 | 36.75 | 13 | 156.75 | 23 | 276.75 | 33 | 396.75 |
| 4 | 48.75 | 14 | 168.75 | 24 | 288.75 | 34 | 408.75 |
| 5 | 60.75 | 15 | 180.75 | 25 | 300.75 | 35 | 420.75 |
| 6 | 72.75 | 16 | 192.75 | 26 | 312.75 | 36 | 432.75 |
| 7 | 84.75 | 17 | 204.75 | 27 | 324.75 | 37 | 444.75 |
| 8 | 96.75 | 18 | 216.75 | 28 | 336.75 | 38 | 456.75 |
| 9 | 108.75 | 19 | 228.75 | 29 | 348.75 | 39 | 468.75 |
| 10 | 120.75 | 20 | 240.75 | 30 | 360.75 | 40 | 480.75 |

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

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# FLEX NEON OUTDOOR ACCESSORIES AND J-BOXES
24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

## TURNBUCKLE AND AIRCRAFT CABLE (INCLUDED)

The Slim-Profile Turnbuckles hold the tension of the air craft cable running through the silicone Saber tube with LED strip. 6' stainless steel aircraft cable included.

| Product | Finish |
|---|---|
| **SABT** | **SA** |
| **SABT** Saber Line Turnbuckle | **SA** Satin Aluminum |

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## AIRCRAFT CABLE (INCLUDED WITH AN EXTRA 6')

| Product | Type | Length |
|---|---|---|
| **ACBL** | **SAB** | **50FT** |
| **ACBL** Aircraft Cable for Saber | **SAB** Saber | 10ft to 50ft lengths |

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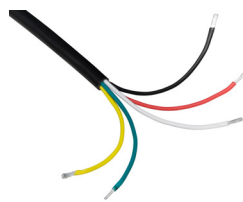## CANOPY (ORDER SEPARATELY)

Outdoor canopy with 8ft outdoor barrel connector power feed, may be cut on job site.
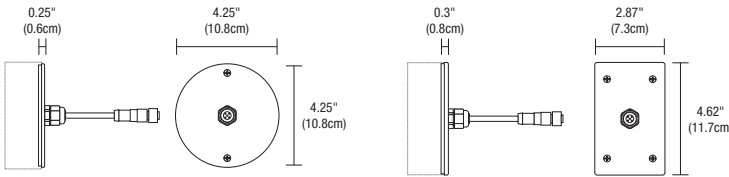
| System | Type | Canopy | Finish |
|---|---|---|---|
| **OC8P** | **CFX** | **RD** | **ZN** |
| **OC8P** Outdoor Canopy with 8ft outdoor Power cable | **CFX** Flexible 4 Wire Cable with Barrel Connector for Static White and Tunable LEDs | **RD** Round Cover, 1 gauge 4.125" <br> **RE** Rectangle Cover, 1 gauge 2.8" x 4.5" | **ZN** Zinc |

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## WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.

| Product | Gauge | Cable |
|---|---|---|
| **OC** | **14G** | **5C** |
| **OC** Outdoor Cable | **14G** 14 Gauge | **5C** 5 Conductor |

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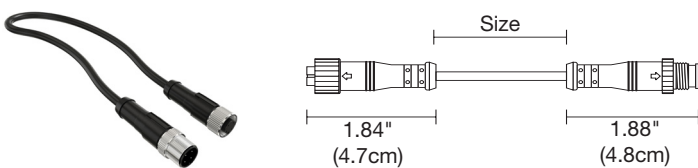
## POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

| Product | Type | Size | Option |
|---|---|---|---|
| **SS** | **CFX** | **12IN** | **W** |
| **SS** Soft Strip and Flex Neon | **CFX** Flexible 4 Wire Connector | **12IN** 12" <br> **96IN** 96" | **W** Wet Location |

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

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# OUTDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V WET LOCATION
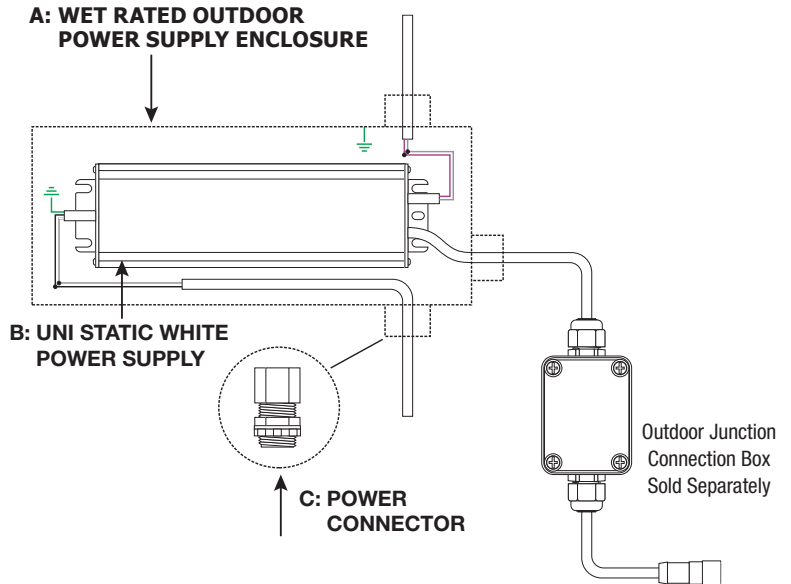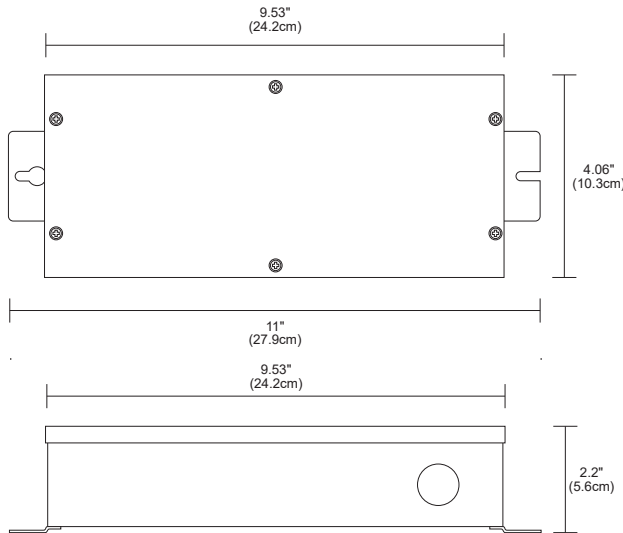
PURE EDGE LIGHTING

REV 05.04.21

## UNI STATIC WHITE POWER SUPPLY WET LOCATION

Universal Power Supply: 120/277VAC-24VDC with Universal dimming ELV, Triac or 0-10V dimmers. 100-0% Flicker free dimming. Aluminum casing for optimal heat dissipation. Isolated output power per NEC and UL safety requirements. UL & ETL recognized/ listed, meets UL8750, 1310 requirement. Auto-reset; short circuit, overload and thermal protection. Class 2 power supply. Efficient, High power factor > 0.90. Exceeds California Title 24 Requirements AAA rating. Efficiency > 84% Power Factor > 0.90. Case TC 90C° Max. Protection Input / Output Storage -30°C / +90°C Humidity 95% RH Max. Class 2 Power Supply Dimming ELV, Triac, 0-10V IP Rating IP67

Con-1-2CORD-O Cord conductors included

| | Product | | Wattage | | Type | | Voltage | | Option |
|---|---|---|---|---|---|---|---|---|---|
| | **PSB** | – | **60W** | – | **UNI** | – | **24VDC** | – | **W** |
| | PSB Power Supply with Aluminum Casing | | 60W 60 Watts<br>96W 96 Watts | | UNI Uni Driver | | 24VDC 24VDC | | W Wet Location |

9.53" (24.2cm)

4.06" (10.3cm)

11" (27.9cm)

9.53" (24.2cm)

2.2" (5.6cm)

**A: WET RATED OUTDOOR POWER SUPPLY ENCLOSURE**

**B: UNI STATIC WHITE POWER SUPPLY**

**C: POWER CONNECTOR**

Outdoor Junction Connection Box Sold Separately

## COMPATIBLE DIMMERS:

| TRIAC DIMMING & CONTROLS |
|---|
| LUTRON SKYLARK: S2-L-WH |
| LUTRON DVLV-600P-WH |
| LUTRON DVLV-603P-WH |
| LUTRON MALV-600-WH |
| LUTRON MALV-1000-WH |
| LUTRON MA-R-XX |

| ELV DIMMING & CONTROLS |
|---|
| LUTRON DIVA: DVELV-300P |
| LUTRON SKYLARK: SELV-300P |
| LUTRON RADIO RA2: RRD-6NA |
| LUTRON MAESTRO: MAELV-600 |
| LEGRAND ADORNE: ADTP-703TUM4 |

| 0-10 DIMMING & CONTROLS |
|---|
| PHILIPS SUNRISE: SR1200ZTUNV |
| LUTRON DIVA: DVTV-WH, DVSTV-WH |
| LUTRON NOVA T: NTSTV-DV-XX |
| LUTRON GRAFIK EYE QS: QSGRJ-XP |
| LUTRON RADIO RA2: RRD-10ND |
| LEVITON: LEV40050 |
| LEVITON IP710-LFZ |
| LEGRAND: ADPD4FBL3P2W4 |

### A. WET RATED OUTDOOR POWER SUPPLY ENCLOSURE

Use of Outdoor requires a Wet Location Junction Box to house the wire connection from the Power Supply. The Outdoor Connection Box is sold separately. A and B come together in the above product.

### B. UNI STATIC WHITE POWER SUPPLY

The product above is the power supply inside an aluminum enclosure. Outdoor has a maximum run length of 40' at 2 watts per foot or 20' at 5 watts.

### C. POWER CONNECTOR

Power Connector connects to the remote power supply. Comes connected to each end of the fixture

- Flicker free dimming
- Class 2 power supply
- Efficient, High power factor > 0.90
- 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
- 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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4

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

PURE EDGE LIGHTING

REV 05.04.21

| UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS | | | | |
|---|---|---|---|---|
| **ORDERING CODE** | PSB-40W-UNI-24VDC | PSB-60W-UNI-24VDC | PSB-2X40W-UNI-24VDC | PSB-2X60W-UNI-24VDC |

| SPECIFICATIONS | | | | |
|---|---|---|---|---|
| MAXIMUM LOAD | 40W | 60W | 2X40W | 2X60W |
| INPUT VOLTAGE | 120-277VAC | 120-277VAC | 120-277VAC | 120-277VAC |
| OUTPUT VOLTAGE | 24VDC | 24VDC | 24VDC | 24VDC |
| DIMENSIONS | 12.4" X 3.12" X 2.18" | 12.4" X 3.12" X 2.18" | 12.15" X 6.48" X 2.18" | 12.15" X 6.48" X 2.18" |
| CLASSIFICATION | CLASS 2 | CLASS 2 | CLASS 2 | CLASS 2 |
| T-BAR MOUNTING | PSB-40W-UNI-24VDC-TB | PSB-60W-UNI-24VDC-TB | PSB-2X40W-UNI-24VDC-TB | PSB-2X60W-UNI-24VDC-TB |
| IN-WALL MOUNTING | PSB-40W-UNI-24VDC-IW | PSB-60W-UNI-24VDC-IW | PSB-2X40W-UNI-24VDC-IW | PSB-2X60W-UNI-24VDC-IW |

| UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS | | | | |
|---|---|---|---|---|
| **ORDERING CODE** | PSB-96W-UNI-24VDC | PSB-2X96W-UNI-24VDC | PSB-3X96W-UNI-24VDC | PSB-4X96W-UNI-24VDC |

| SPECIFICATIONS | | | | |
|---|---|---|---|---|
| MAXIMUM LOAD | 96W | 2X96W | 3X96W | 4X96W |
| INPUT VOLTAGE | 120-277VAC | 120-277VAC | 120-277VAC | 120-277VAC |
| OUTPUT VOLTAGE | 24VDC | 24VDC | 24VDC | 24VDC |
| DIMENSIONS | 12.4" X 3.12" X 2.18" | 12.15" X 6.48" X 2.18" | 14" X 10" X 3" | 17" X 13" X 3" |
| CLASSIFICATION | CLASS 2 | CLASS 2 | CLASS 2 | CLASS 2 |
| T-BAR MOUNTING | PSB-96W-UNI-24VDC-TB | PSB-2X96W-UNI-24VDC-TB | PSB-3X96W-UNI-24VDC-TB | PSB-4X96W-UNI-24VDC-TB |
| IN-WALL MOUNTING | PSB-96W-UNI-24VDC-IW | PSB-2X96W-UNI-24VDC-IW | NA | NA |

| ELV DIMMING & CONTROLS | | | | |
|---|---|---|---|---|
| LUTRON DIVA: DVELV-300P | • | • | • | • |
| LUTRON SKYLARK: SELV-300P | • | • | • | • |
| LUTRON RADIO RA2: RRD-6NA | • | • | • | • |
| LUTRON MAESTRO: MAELV-600 | • | • | • | • |
| LEGRAND ADORNE: ADTP-703TUM4 | • | • | • | • |

| 0-10 DIMMING & CONTROLS | | | | |
|---|---|---|---|---|
| PHILIPS SUNRISE: SR1200ZTUNV | • | • | • | • |
| LUTRON DIVA: DVTV-WH, DVSTV-WH | • | • | • | • |
| LUTRON NOVA T: NTSTV-DV-XX | • | • | • | • |
| LUTRON GRAFIX EYE QS: QSGRJ-XP | • | • | • | • |
| LUTRON RADIO RA2: RRD-10ND | • | • | • | • |
| LEVITON: LEV40050 | • | • | • | • |
| LEVITON IP710-LFZ | • | • | • | • |
| LEGRAND: ADPD4FBL3P2W4 | • | • | • | • |

| TRIAC DIMMING & CONTROLS | | | | |
|---|---|---|---|---|
| LUTRON SKYLARK: S2-L-WH | • | • | • | • |
| LUTRON DIVA DVLV-600P-WH | • | • | • | • |
| LUTRON DIVA DVLV-603P-WH | • | • | • | • |
| LUTRON MAESTRO MALV-600-WH | • | • | • | • |
| LUTRON MAESTRO MALV-1000-WH | • | • | • | • |
| LUTRON MAESTRO MA-R-XX | • | • | • | • |

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

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

*Tunable White requires Dual power Supplies and Controls. For single control use with our proprietary Tunable White Controller CDMX-1, refer to Universal Tunable White Power Supply Specifications.
Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.
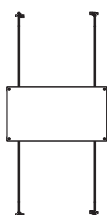
**T-BAR Mounting Kit:** Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

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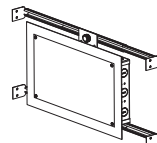
**In-Wall Mounting Kit:** Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

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

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

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

**PURE EDGE**
LIGHTING

## 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
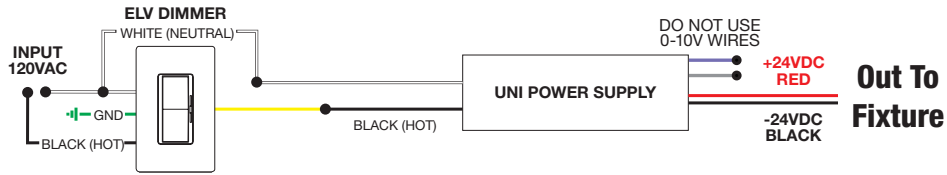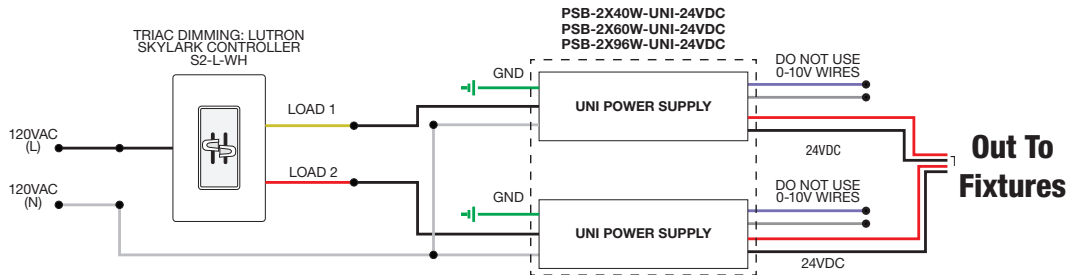


**Application:** 0-10V dimming for Static White

**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
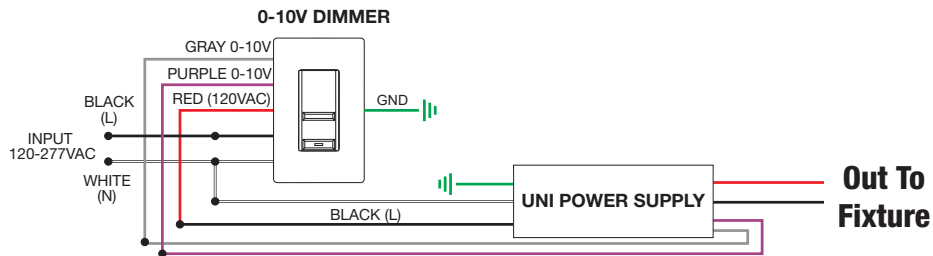


**Application:** Triac dimming for two power supplies, use for Static White

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



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

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

PURE EDGE LIGHTING

REV 05.04.21

| | ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†‡ | | | |
|---|---|---|---|---|
| **ORDERING CODES** | PS-60L-ELV-24VDC | PSB-60W-ELV-24VDC | PSB-2X60W-ELV-24VDC | PSB-100W-ELV-24VDC |
| | **SPECIFICATIONS** | | | |
| MAXIMUM LOAD | 60W NON-IC, 50W-IC (FITS IN JBOX) | 60W | 2X60W | 96W |
| INPUT VOLTAGE | 120VAC | 120VAC | 120VAC | 120VAC |
| OUTPUT VOLTAGE | 24VDC | 24VDC | 24VDC | 24VDC |
| DIMENSIONS | 2.25" X 1.25" X 0.83" | 8.125" X 2" X 1.75" | 12.15" X 6.48" X 2.18" | 9.25" X 3.5" X 2" |
| CLASSIFICATION | CLASS 2 | CLASS 2 | CLASS 2 | CLASS 2 |
| T-BAR MOUNTING | N/A | PSB-60W-ELV-24VDC-TB | PSB-2X60W-ELV-24VDC-TB | PSB-100W-ELV-24VDC-TB |
| IN WALL MOUNTING | N/A | PSB-60W-ELV-24VDC-IW | PSB-2X60W-ELV-24VDC-IW | PSB-100W-ELV-24VDC-IW |

| | ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†‡ | | |
|---|---|---|---|
| **ORDERING CODES** | PSB-2X100W-ELV-24VDC | PSB-3X100W-ELV-24VDC | PSB-4X100W-ELV-24VDC |
| | **SPECIFICATIONS** | | |
| MAXIMUM LOAD | 2X96W | 3X96W | 4X96W |
| INPUT VOLTAGE | 120VAC | 120VAC | 120VAC |
| OUTPUT VOLTAGE | 24VDC | 24VDC | 24VDC |
| DIMENSIONS | 12.15" X 6.48" X 2.18" | 14" X 10" X 3" | 17" X 13" X 3" |
| CLASSIFICATION | CLASS 2 | CLASS 2 | CLASS 2 |
| T-BAR MOUNTING | PSB-2X100W-ELV-24VDC-TB | PSB-3X100W-ELV-24VDC-TB | PSB-4X100W-ELV-24VDC-TB |
| IN WALL MOUNTING | PSB-2X100W-ELV-24VDC-IW | N/A | N/A |
| | **DIMMING AND CONTROLS** | | |
| LUTRON DIVA: DVELV-300P | • | • | • |
| LUTRON SKYLARK: SELV-300P | • | • | • |
| LUTRON RADIO RA2: RRD-6NA | • | • | • |
| LUTRON MAESTRO: MAELV-600 | • | • | • |
| LEGRAND ADORNE: ADTP-703TUM4 | • | • | • |

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

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

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

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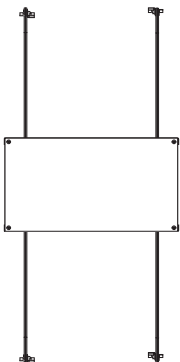
**T-BAR Mounting Kit:** Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

**Ordering Codes :** PSB-60W-ELV-24VDC-TB
PSB-100W-ELV-24VDC-TB
PSB-2X60W-ELV-24VDC-TB
PSB-2X100W-ELV-24VDC-TB
PSB-3X100W-ELV-24VDC-TB
PSB-4X100W-ELV-24VDC-TB
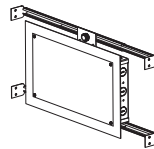
**In-Wall Mounting Kit:** Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

**Ordering Codes 5.1" x 14.25":** PSB-60W-ELV-24VDC-IW
PSB-100W-ELV-24VDC-IW

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

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

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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



ELV DIMMER
WHITE (NEUTRAL)
INPUT 120VAC
GND
BLACK (HOT)
PSB-60W-ELV-24VDC
BLACK (HOT)
+24VDC RED
TO FIXTURE
-24VDC BLACK

**Application:** ELV dimming for Static White

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



N
N
INPUT 120VAC
GND
LINE
ELV DIMMER
LOAD
PS-60L-ELV-24VDC FITS IN 4SQ JBOX
+24VDC RED
TO FIXTURE
-24VDC BLACK
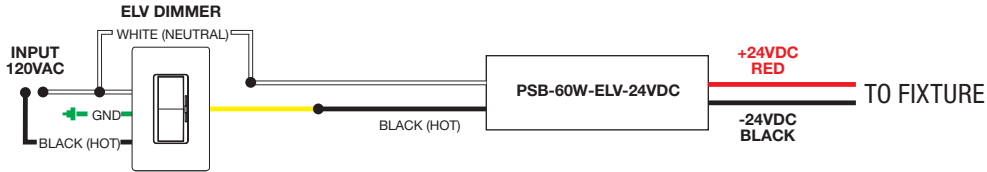
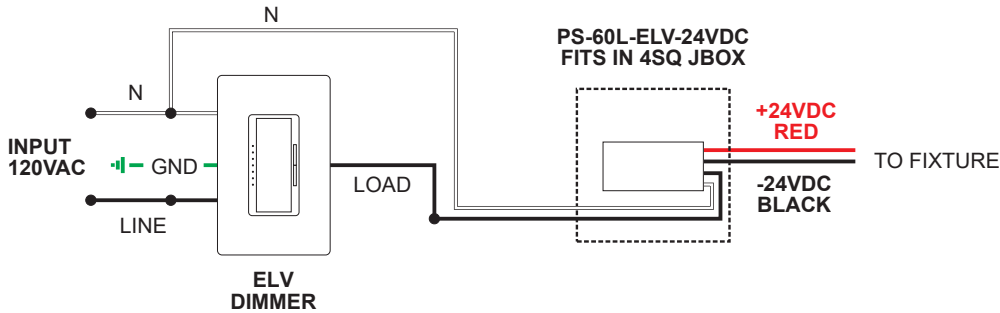**Application:** Dual ELV dimming for Static White

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



ELV DIMMER
WHITE (NEUTRAL)
INPUT 120VAC
GND
BLACK (HOT)
PSB-2X60W-ELV-24VDC
POWER SUPPLY
BLACK (HOT)
+24VDC RED
-24VDC BLACK
TO FIXTURES
POWER SUPPLY
BLACK (HOT)
+24VDC RED
-24VDC BLACK
ELV DIMMER
WHITE (NEUTRAL)
INPUT 120VAC
GND
BLACK (HOT)

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

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

PURE EDGE LIGHTING

REV 05.04.21
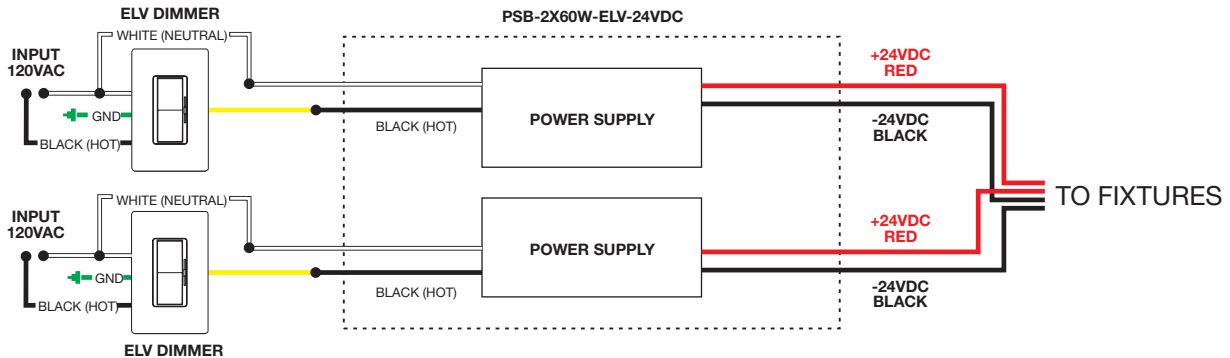
| 0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS | | |
|---|---|---|
| **ORDERING CODE** | PSB-25W-010-24VDC | PSB-60W-010-24VDC | PSB-96W-010-24VDC |

| SPECIFICATIONS | | |
|---|---|---|
| **MAXIMUM LOAD** | 25W | 60W | 96W |
| **INPUT VOLTAGE** | 120-277VAC | 120-277VAC | 120-277VAC |
| **OUTPUT VOLTAGE** | 24VDC | 24VDC | 24VDC |
| **DIMENSIONS** | 12.4" X 3.12" X 2.18" | 12.4" X 3.12" X 2.18" | 12.4" X 3.12" X 2.18" |
| **CLASSIFICATION** | CLASS 2 | CLASS 2 | CLASS 2 |
| **T-BAR MOUNTING** | PSB-25W-010-24VDC-TB | PSB-60W-010-24VDC-TB | PSB-96W-010-24VDC-TB |
| **IN-WALL MOUNTING** | PSB-25W-010-24VDC-IW | PSB-60W-010-24VDC-IW | PSB-96W-010-24VDC-IW |

| 0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS | | |
|---|---|---|
| **ORDERING CODE** | PSB-2X96W-010-24VDC | PSB-3X96W-010-24VDC | PSB-4X96W-010-24VDC |

| SPECIFICATION | | |
|---|---|---|
| **MAXIMUM LOAD** | 2X96W | 3X96W | 4X96W |
| **INPUT VOLTAGE** | 120-277VAC | 120-277VAC | 120-277VAC |
| **OUTPUT VOLTAGE** | 24VDC | 24VDC | 24VDC |
| **DIMENSIONS** | 12.15" X 6.48" X 2.18" | 14" X 10" X 3" | 17" X 13" X 3" |
| **CLASSIFICATION** | CLASS 2 | CLASS 2 | CLASS 2 |
| **T-BAR MOUNTING** | PSB-2X96W-010-24VDC-TB | PSB-3X96W-010-24VDC-TB | PSB-4X96W-010-24VDC-TB |
| **IN-WALL MOUNTING** | PSB-2X96W-010-24VDC-IW | N/A | N/A |

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

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

- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 90

**Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.
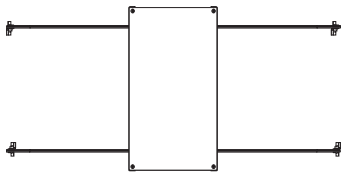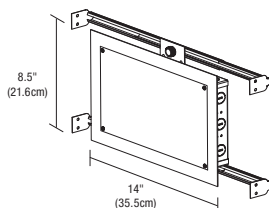
**T-BAR Mounting Kit:** Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors.

**Ordering Codes:**
PSB-25W-010-24VDC-TB,
PSB-60W-010-24VDC-TB,
PSB-96W-010-24VDC-TB,
PSB-2X96W-010-24VDC-TB
PSB-3X96W-010-24VDC-TB
PSB-4X96W-010-24VDC-TB

5.1" (13cm)
14.25" (36.2cm)
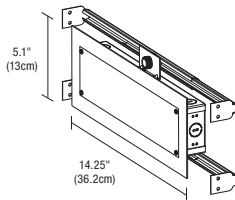
**5.1" x 14.25" In-Wall Mounting Kit:** Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

8.5" (21.6cm)
14" (35.5cm)

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

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

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

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

PURE EDGE
L I G H T I N G

REV 05.04.21

## SAMPLE WIRING DIAGRAMS 24VDC 010

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

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



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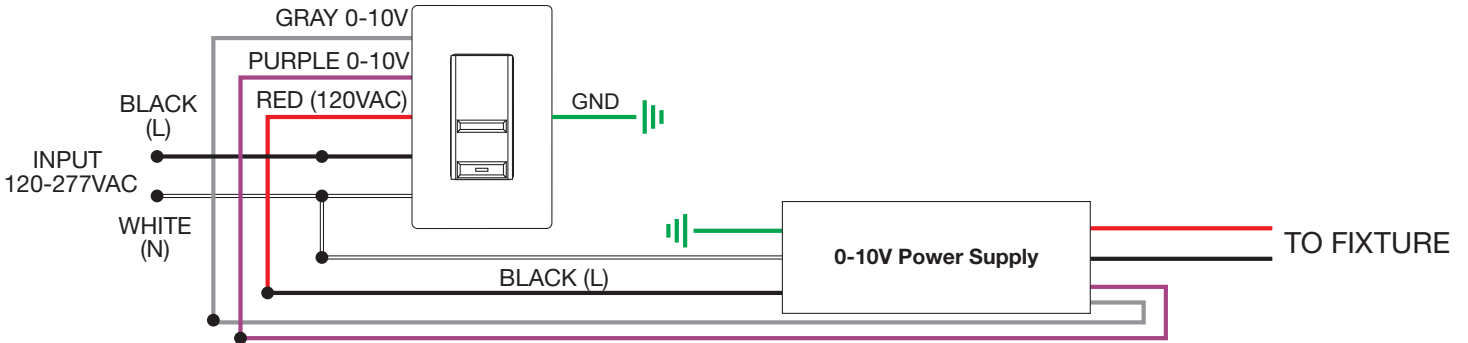
**Application:** Dual 0-10V dimming for Static White

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



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

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10
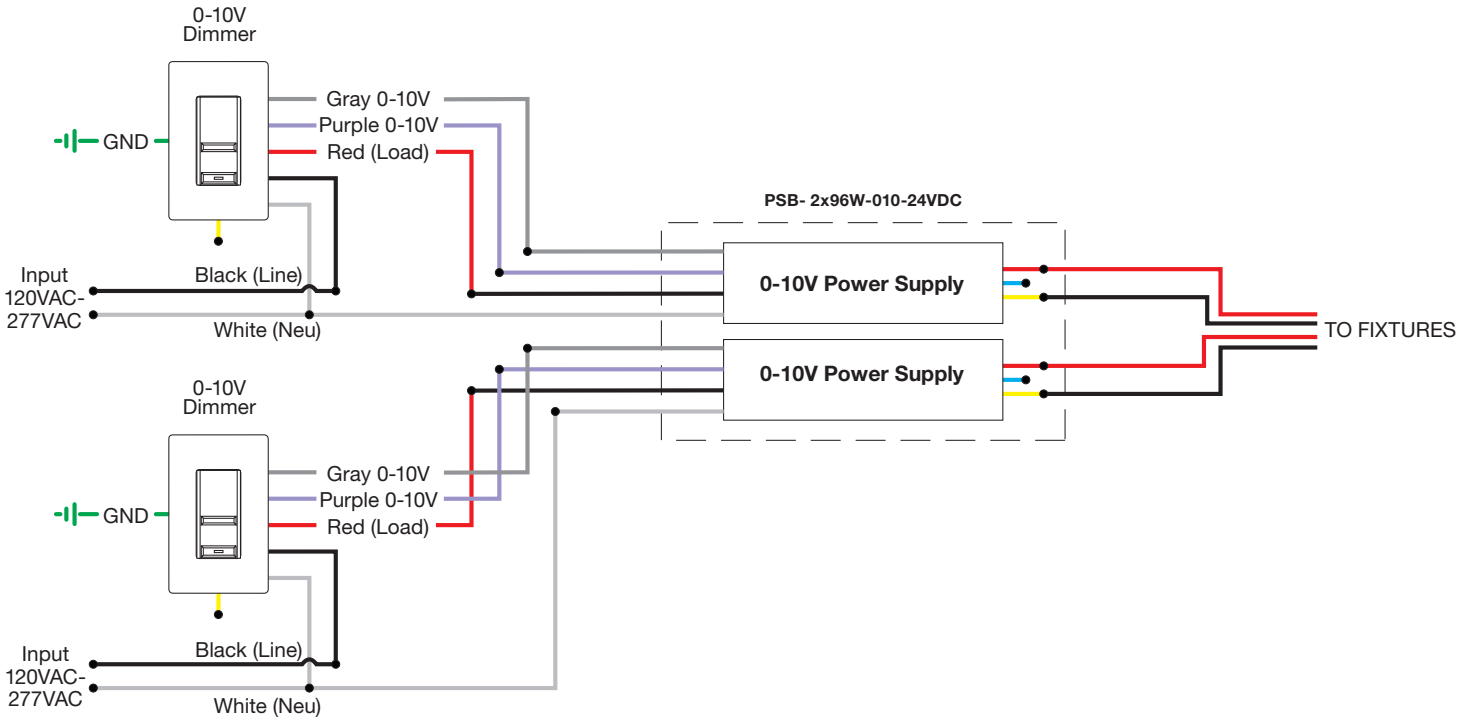
# INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY
24VDC INDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 05.04.21
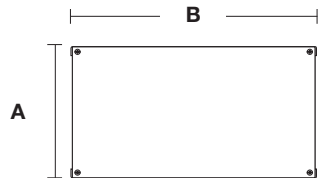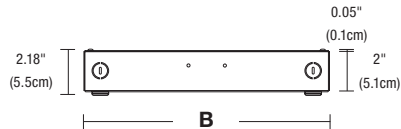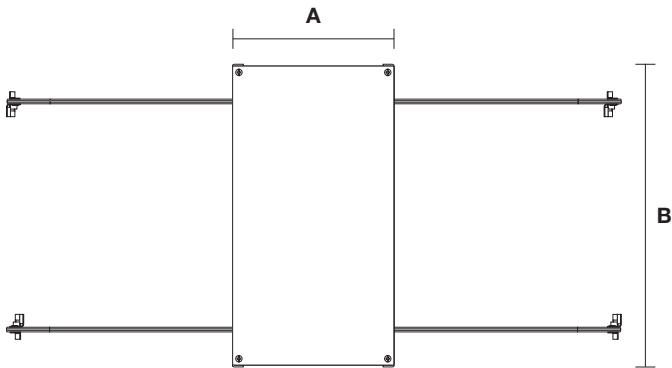
**PURE EDGE**
LIGHTING



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



TOP VIEW



0.05"
(0.1cm)

2.18"
(5.5cm)

2"
(5.1cm)

SIDE VIEW



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

## 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 4ft 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. JA8 compliant when used with Pure Edge Tunable White Products.

| | 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<br>**2X96W** 2x96 Watts<br>**3X96W** 3x96 Watts<br>**4X96W** 4x96 Watts | **010** 0-10 Volt Dimming |

| | | |
|---|---|---|
| **24VDC** 24 Volt DC | **2XK** Tunable White | **TB** T-Bar Grid Ceiling<br>**IW*** In-Wall Kit |

*96 watts only

### STANDARD & T-BAR DIMENSIONS
| | A | B |
|---|---|---|
| **PSB-96W-010-24VDC-2XK** | 6.48" | 12.15" |
| **PSB-2X96W-010-24VDC-2XK** | 10" | 14" |
| **PSB-3X96W-010-24VDC-2XK** | 13" | 17" |
| **PSB-4X96W-010-24VDC-2XK** | 13" | 17" |



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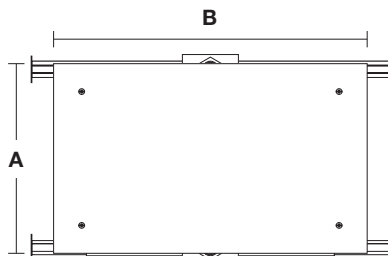


PSB-96W-010-24VDC-2XK-IW (IN WALL KIT)

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

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

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

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

**PURE EDGE** LIGHTING

REV 05.04.21

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



TUNABLE WHITE STRIP/ FIXTURE

RED
BLACK
BLACK
RED

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

Tunable White LED PWM dimming module
Dimming range: 0-100%
0/1-10V control 1, 0/1V =0% light output
10V=100% light output
0/1-10V control2, 0/1V=100% warm
10V=100% cool
PWM Output to LED Modules (8-48V PWM, 1K Hz)

COLOR TEMP — PURPLE +
— GRAY -
INTENSITY — GRAY -
— PURPLE +

24V POWER SUPPLY

INPUT: 120-277V AC

24VDC+
24VDC-

L
N
GND

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

**0-10V Controller**
Control Input 1
(Dimming **Intensity**)

**0-10V Controller**
Control Input 2
(For **Color Temp**)

## T-BAR GRID CEILING



OUTPUT 24VDC WITH 4FT TEFLON CABLES WITH QUICK CONNECTORS

T-BAR GRID HANGER BARS

POWER SUPPLY ENCLOSURE

INPUT LINE VOLTAGE 120-277VAC

MOUNTING CLIP FOR HANGER

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

## IN WALL KIT



LINE VOLTAGE INPUT 120-277VAC

HANGER BARS

DRYWALL

CLASS 2 OUTPUT 24VDC

96W IN-WALL POWER SUPPLY KIT

COVER

POWER SUPPLY ENCLOSURE

2X4 STUD

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

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

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# INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
## 24VDC, LUTRON ECOSYSTEM

| | LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®† | | |
|---|---|---|---|
| ORDERING CODES | L3D0-96W24V-U | 2-WIRE ECOSYSTEM LTEA4U1UKL-CV240 | 3-WIRE ECOSYSTEM L3DA4U1UKL-CV240 |
| **SPECIFICATIONS** | | | |
| MAXIMUM LOAD | 96W | 5W-40W | 5W-40W |
| INPUT VOLTAGE | 120-277VAC | 120-277VAC | 120-277VAC |
| OUTPUT VOLTAGE | 24VDC | 24VDC | 24VDC |
| DIMENSIONS | 10.5" X 5.5" X 2" | 4" X 4.89" X 2.62" | 4" X 4.89" X 2.62" |
| CLASSIFICATION | CLASS 2 | CLASS 2 | CLASS 2 |
| T-BAR MOUNTING | L3D0-96W24V-U-TB | NA | NA |
| **DIMMING AND CONTROLS** | | | |
| RADIO RA2 | • | • | • |
| HOMEWORKS QS | • | • | • |
| PHPM-3F-120 | • | • | • |
| PHPM-3F-DV | • | • | • |
| BCI-0-10 | • | • | • |

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

### 2-Wire EcoSystem Wiring Diagram
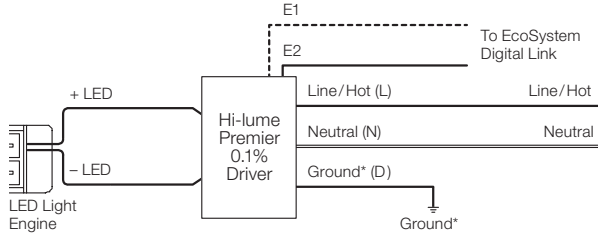


LTEA4U1UKL-CV240

### 3-Wire Wiring Diagram
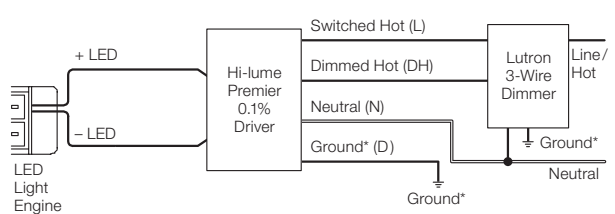


L3DA4U1UKL-CV240
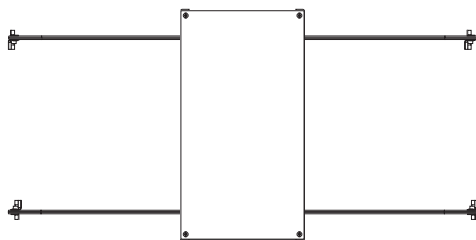


**T-BAR Mounting Kit:** Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors.

**Ordering Code:** L3D0-96W24V-U-TB

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

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

**PURE EDGE LIGHTING**

REV 05.04.21

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

4.72" (12cm)

2.95" (7.5cm)

3.87" (9.8cm)  4.72" (12cm)

**Side View JBox**

CDMX1-2XK-WH

Controller power adapter (Included)

Fits in a single gang 2.5" deep junction box

120-240VAC

DMX CABLE (BELDEN #9841)

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

**Controller Power Adapter**

120-277V  N

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

Tunable White Power Supply

-24VDC  +24VDC

GND

DRIVER

To Fixture

DMX data to next power/data supply

## DESCRIPTION:
The Tunable White Touch Controller offers fast and accurate Color Temperature adjustment and the ability to regulate the Brightness Independently. The modern Glass faceplate features illuminated indicators, and a back-lit night light that softly illuminates the controller when powered off. Designed for Tunable White, and dual-color LED installations within a single zone. The two Vertical Touch sliders are precise and sensitive, allowing you to fine-tune your perfect Color Temperature at any point between **2000K** (Sunset) to **6500K** (Daylight White) while selecting over 250 levels of Brightness in a smooth, uninterrupted transition. Create Thousands of White Color Combinations while maintaining even Brightness and overall saturation. Easily save three pre-set scenes for different times of the day. Support health, performance, and general well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle using the latest in LED technology. Includes a power adapter that fits behind the controller within a standard junction box and fits inside a standard single-gang receptacle (not for use in a multi-gang box). Use with an insulated, 24 AWG stranded, tinned copper wire (Belden #9841). Power Supplies are Sold Separately. Includes a 5 year pro-rated warranty.

## APPLICATIONS:
Indoor

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

## POWER INPUT:
120-240VAC

## OUTPUT SIGNAL:
USITT DMX 512 (1990)

## LABELS:
ROHS, FCC, Damp Location, ETL/UL

| Product | | Type | Finish |
|---|---|---|---|
| CDMX1 | – | 2XK | WH |

**CDMX1** DMX Single Zone Touch Controller  **2XK** Tunable White  **WH** White

| COLOR CHANGING (DMX) POWER SUPPLIES | | | |
|---|---|---|---|
| **ORDERING CODE** | PSB-100W-24VDC-2XK | PSB-2X100W-24VDC-2XK | PSB-3X100W-24VDC-2XK | PSB-4X100W-24VDC-2XK |

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

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

**T-BAR Mounting Kit:** Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors.
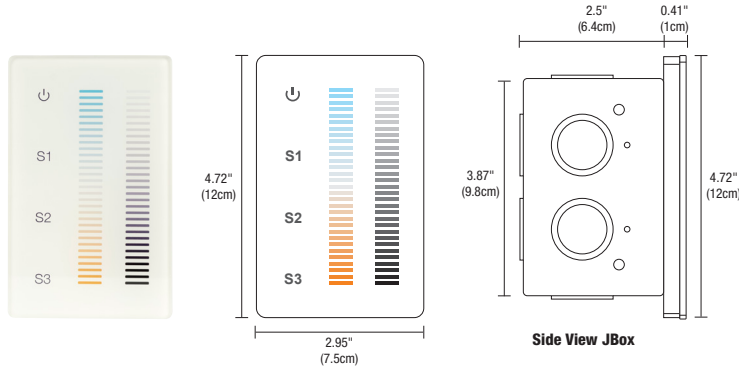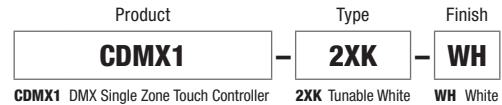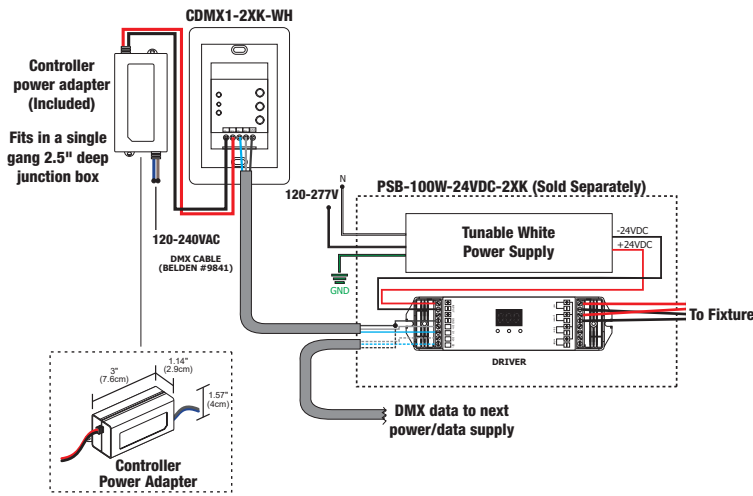
**Ordering Codes:**
PSB-100W-24VDC-2XK-TB
PSB-2x100W-24VDC-2XK-TB
PSB-3x100W-24VDC-2XK-TB
PSB-4x100W-24VDC-2XK-TB

8.5" (21.6cm)  14" (35.5cm)

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

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

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

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# WET LOCATION TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY
24VDC OUTDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

**PURE EDGE**
LIGHTING

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 05.04.21



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

## DIMENSIONS
**PSB-96W-010-24VDC-2XK-W**
Length: 10"
Width: 7.1"
Height: 3.3"
Weight: 1.6lbs



PSB-2X96W-010-24VDC-2XK-W

## DIMENSIONS
**PSB-2X96W-010-24VDC-2XK-W**
Length: 11.8"
Width: 9.1"
Height: 3.4"
Weight: 2.26lbs

## 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. Power Supply features short circuit, overload and over temperature protection.

## APPLICATIONS
Outdoor Wet Location, IP66

## MOUNTING
Surface mounted with conduit access

## POWER INPUT
120-277VAC

## POWER OUTPUT
Class 2; 24 volts DC 4A, 96 watts maximum

## EFFICIENCY
85%

## AMBIENT OPERATING TEMPERATURE
-25C to 40C

## 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, Plenum for use in Accordance with UL 2043. JA8 compliant when used with Pure Edge Tunable White Products.

| Product | | Wattage | | Dimming | | Voltage | | Color Temperature | | Option | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PSB** | | **96W** | | **010** | | **24VDC** | | **2XK** | | **W** | |
| PSB | Power Supply with Enclosure Box with Tunable White 0-10V Controller | 96W<br>2X96W | 96 Watts<br>2 x 96 Watts | 010 | 0-10 Volt Dimming | 24VDC | 24 Volt DC | 2XK | Tunable White | W | Wet Location |

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

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# WET LOCATION TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY

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

**PURE EDGE**
LIGHTING

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



TUNABLE WHITE
STRIP/ FIXTURE

RED
BLACK
BLACK
RED

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

Tunable White LED PWM dimming module
Dimming range: 0-100%
0/1-10V control 1, 0/1V =0% light output
10V=100% light output
0/1-10V control2, 0/1V=100% warm
10V=100% cool
PWM Output to LED Modules (8-48V PWM, 1K Hz)

COLOR TEMP
PURPLE +
GRAY -
GRAY -
INTENSITY
PURPLE +

24VDC+
24VDC-

**24V POWER SUPPLY**

INPUT:
120-277V AC

L
N
GND

**PSB-2X96W-010-24VDC-2XK-W**

0-10V Controller
Control Input 1
(Dimming **Intensity**)

0-10V Controller
Control Input 2
(For **Color Temp**)

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

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

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**PURE EDGE**
LIGHTING

PSB-100W-24VDC


**TOP VIEW**


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

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

#### STANDARD & T-BAR DIMENSIONS
| | A | B |
|---|---|---|
| **PSB-100W-24VDC** | 3.12" | 12.4" |
| **PSB-2X100W-24VDC** | 6.48" | 12.15" |
| **PSB-3X100W-24VDC** | 10" | 14" |
| **PSB-4X100W-24VDC** | 13" | 17" |


PSB-100W-24VDC-IW


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

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

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

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# TUNABLE WHITE DMX WET LOCATION POWER SUPPLIES
## 24VDC OUTDOOR CONSTANT VOLTAGE

PURE EDGE
L I G H T I N G



PSB-100W-24VDC-2XK-W



PSB-2X100W-24VDC-2XK-W

## DESCRIPTION

Our Surface Mount, exterior-rated Tunable White supplies utilize drivers for powering 24VDC constant voltage products. These products are the ideal power supplies for all Color Changing, damp or wet LED lighting solutions. Our constant voltage LED Power Supplies for outdoor environments are designed to provide regulated voltage through the DMX driver to the LED module. Designed for outdoor Cirrus, Soft Strip and Flex Neon.

- Universal Input Voltage
- Ripple Free
- IP65 – For Both Indoor and Outdoor Use
- No Minimum Load Requirement
- Class 2, Class P
- Auto-Reset Protection for Short Circuit & Over-Temperature
- Over Load Protection – CC Mode

## CONTROLS

- CDMX1-2XK - Single zone DMX touch controller
- CTP - Multiple zone DMX touch controller

## POWER INPUT

Universal Input voltage ranging from 120 to 277VAC

## DIMENSIONS
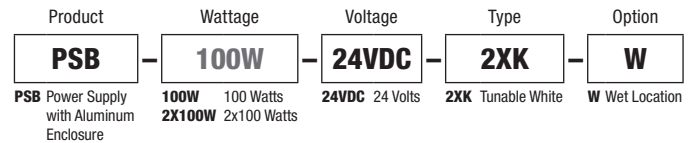
**PSB-100W-24VDC-2XK-W**
Length: 10"
Width: 7.1"
Height: 3.3"
Weight: 1.6lbs

**PSB-2X100W-24VDC-2XK-W**
Length: 11.8"
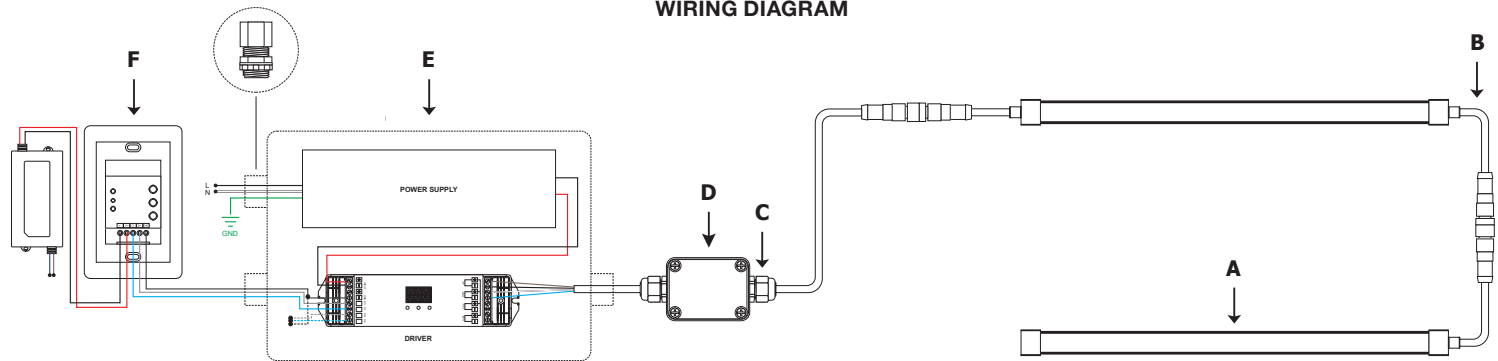Width: 9.1"
Height: 3.4"
Weight: 2.26lbs

## LABELS

Assembled in America, Class P, Class 2, IP65, 120-277V, Dimmable, RoHS Compliant, 24VD

| Product | Wattage | Voltage | Type | Option |
|---------|---------|---------|------|--------|
| **PSB** | **100W** | **24VDC** | **2XK** | **W** |

| | | | | |
|---|---|---|---|---|
| **PSB** Power Supply with Aluminum Enclosure | **100W** 100 Watts<br>**2X100W** 2x100 Watts | **24VDC** 24 Volts | **2XK** Tunable White | **W** Wet Location |

## REQUIRED COMPONENTS SOLD SEPARATELY

### WIRING DIAGRAM



## A. OUTDOOR 24VDC FIXTURE OR FLEX NEON

Wet location Cirrus, Flex Neon or Soft Strip. Please refer to fixture ordering code for incremental lengths. Cirrus, Flex Neon and Soft Strip are not field cuttable or submersible.

## B. POWER CABLE CONNECTOR

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections.

## C. POWER CONNECTOR

Sold Separately for Cirrus, Flex Neon and wet location Soft Strip.
*Included with Wet Location LED Soft Strips - comes connected to each end of the LED Soft Strip sealed in water-resistant silicone.

## D. OUTDOOR CONNECTION BOX

Wet-rated low voltage Splice Box with connectors.

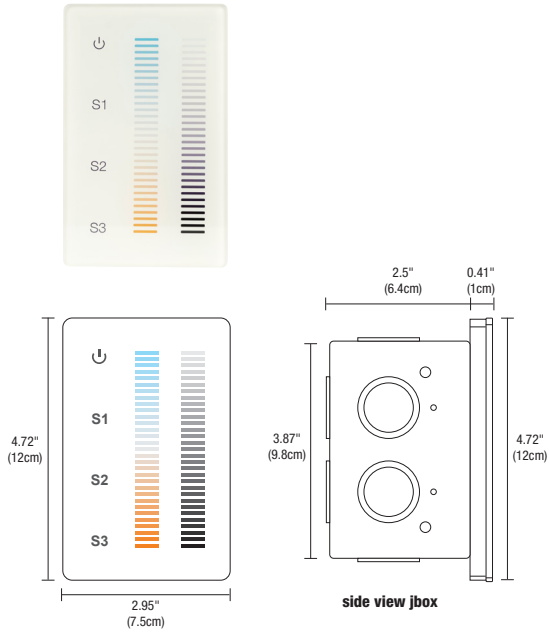## E. OUTDOOR RATED POWER SUPPLY WITH DMX DRIVER

Outdoor rated Power Supplies are required for use with a Outdoor LED Soft Strip and fixtures.

## F. CONTROLLER (SOLD SEPARATELY)

CDMX1-2XK or CTP

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

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# TUNABLE WHITE DMX WET LOCATION POWER SUPPLIES
## 24VDC OUTDOOR CONSTANT VOLTAGE

**PURE EDGE LIGHTING**

## RECOMMENDED CONTROLLERS

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

4.72" (12cm)    3.87" (9.8cm)    4.72" (12cm)

2.95" (7.5cm)

**side view jbox**

Controller **NOT** wet rated, install in dry location or use electrician supplied wet location rated cover.

### DESCRIPTION:
The Tunable White Touch Controller offers fast and accurate Color Temperature adjustment and the ability to regulate the Brightness Independently. The modern Glass faceplate features illuminated indicators, and a back-lit night light that softly illuminates the controller when powered off. Designed for Tunable White, and dual-color LED installations within a single zone. The two Vertical Touch sliders are precise and sensitive, allowing you to fine-tune your perfect Color Temperature at any point between **2000K** (Sunset) to **6500K** (Daylight White) while selecting over **250 levels** of Brightness in a smooth, uninterrupted transition. Create Thousands of White Color Combinations while maintaining even Brightness and overall saturation. Easily save three pre-set scenes for different times of the day. Support health, performance, and general well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle using the latest in LED technology. Includes a power adapter that fits behind the controller within a standard junction box and fits inside a standard single-gang receptacle (not for use in a multi-gang box). Use with an insulated, 24 AWG stranded, tinned copper wire (Belden #9841). Power Supplies are Sold Separately. Includes a 5 year pro-rated warranty.

### APPLICATIONS:
Indoor

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

### POWER INPUT:
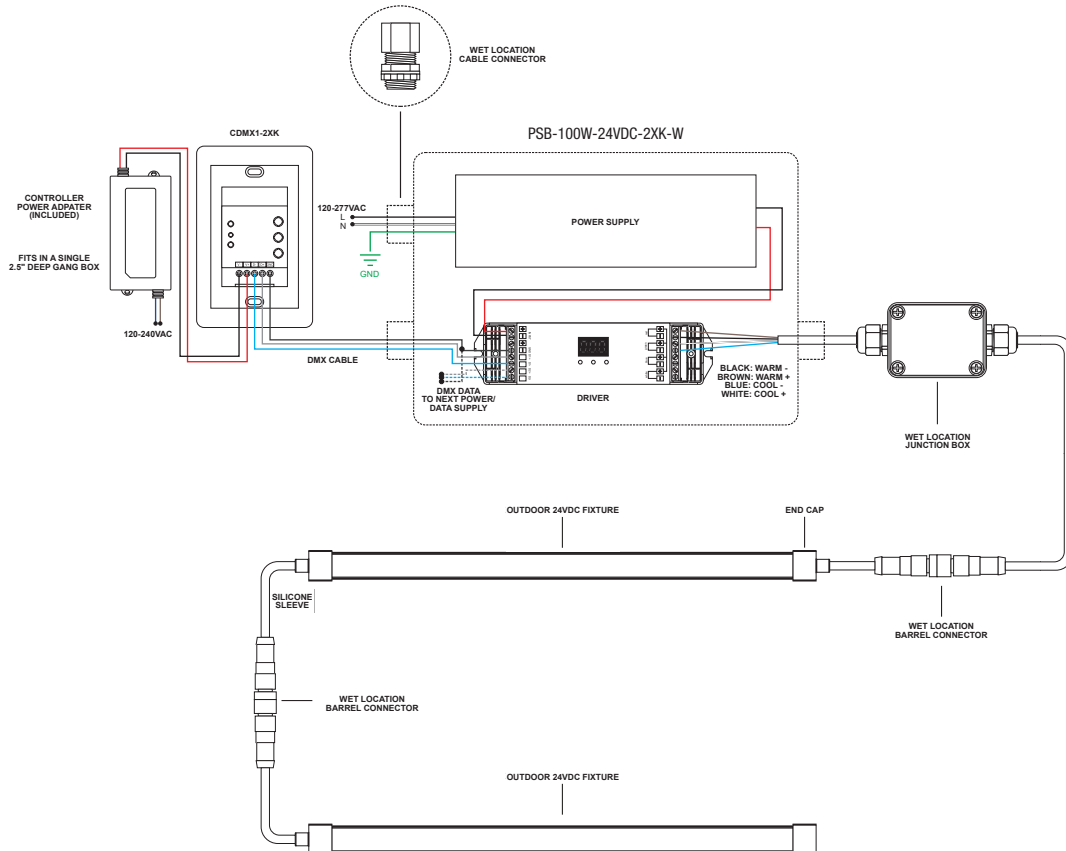120-240VAC

### OUTPUT SIGNAL:
USITT DMX 512 (1990)

### LABELS:
ROHS, FCC, Damp Location, ETL/UL

| Product | Type | Finish |
|---|---|---|
| **CDMX1** | **2XK** | **WH** |

**CDMX1** DMX Single Zone Touch Controller   **2XK** 2 X Kelvin   **WH** White

## RECOMMENDED CONTROLLERS: Tunable White Wiring with CDMX1-2XK



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

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# TUNABLE WHITE DMX WET LOCATION POWER SUPPLIES
## 24VDC OUTDOOR CONSTANT VOLTAGE

**PURE EDGE** LIGHTING

REV 05.04.21

## RECOMMENDED CONTROLLERS

4.17" (106 mm)    0.4" (10 mm)

5.75" (146 mm)

0.4" (10 mm)

Controller **NOT** wet rated, install in dry location or use electrician supplied wet location rated cover.

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

**APPLICATIONS:**
Indoor

**POWER ADAPTER:**
9VDC 0.65A (included)

**POWER INPUT:**
7VDC 0.6A

**OUTPUT SIGNAL:**
DMX512 1,024 channels total

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

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

**MEMORY:**
microSD (32GB Max)

**COMPUTER AND MOBILE DEVICE REQUIREMENTS:**
**IPHONE/IPAD/ANDROID:**
The controller may be used with any of the following apps: DMX Lightpad 3, Easy Remote and Arcolis may be downloaded from App Store or Google Play.

**ESA PRO SOFTWARE (WINDOWS ONLY, TIMELINE AND MULTI-ZONE):**
Windows ME, XP, Vista, 7 or 8 (32 bits and US 2.0, computer connection required for initial setup only.)
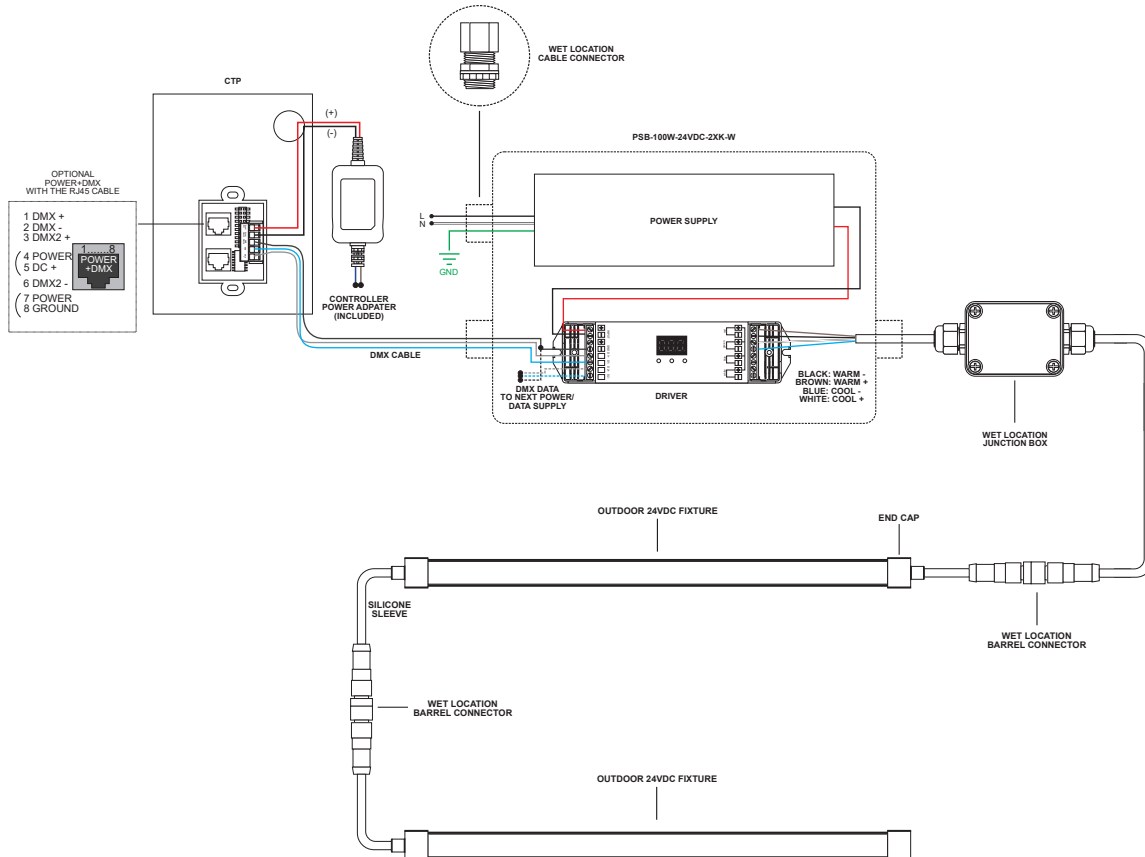
**ESA2 SOFTWARE (WINDOWS/MAC, SINGLE ZONE):**
Windows ME, XP, Vista, 7 or 8
Mac OS X 10.7 (Lion), 10.8 (Mountain lion), 10.9 (Mavericks), 10.10 (Yosemite)

| Product | | Finish |
|---|---|---|
| **CTP** | - | **BK** |

CTP  Color Touch Screen Controller with Power Adapter

BK  Black
WH  White

**RECOMMENDED CONTROLLERS:** Tunable White Wiring with CTP



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

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# TM30 DATA
## 24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

**PURE EDGE LIGHTING**

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A bare LED 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: 90.5 | Rg: 99.9
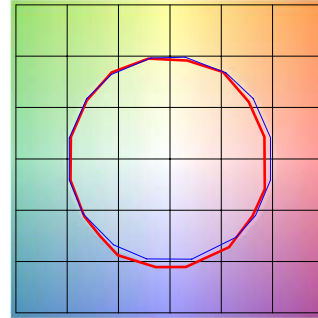Color Vector Graphic
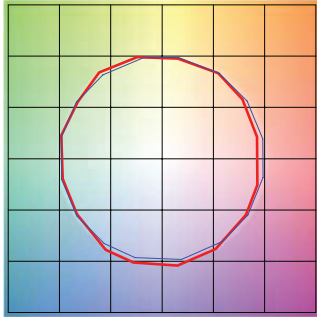
Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % CHROMA | HUE |
|---|---|---|---|
| 1 | 88.3 | -5.2% | 1.0% |
| 2 | 90.1 | -3.6% | 3.7% |
| 3 | 87.5 | -0.5% | 5.6% |
| 4 | 93.9 | -1.2% | 1.3% |
| 5 | 94.7 | 0.7% | 2.1% |
| 6 | 93.7 | 2.6% | 0.7% |
| 7 | 93.5 | -1.5% | -2.2% |
| 8 | 97.8 | -0.4% | -0.2% |
| 9 | 93.7 | -1.5% | 2.4% |
| 10 | 90.8 | -0.8% | 4.9% |
| 11 | 89.3 | 3.7% | 5.4% |
| 12 | 90.2 | 4.6% | 1.0% |
| 13 | 89.0 | 4.4% | -9.7% |
| 14 | 75.4 | 0.6% | -15.1% |
| 15 | 90.7 | -1.7% | -5.0% |
| 16 | 84.2 | -4.4% | -9.1% |

### 2400K | Rf: 90.2 | Rg: 99.3
Color Vector Graphic

Test   Reference

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

### 2700K | Rf: 89.5 | Rg: 98.3
Color Vector Graphic
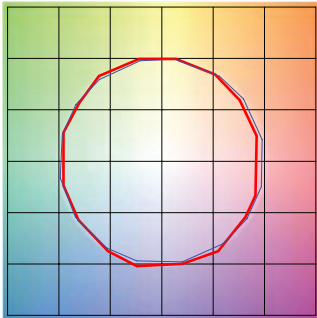
Test   Reference

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

### 3000K | Rf: 88.7 | Rg: 98.2
Color Vector Graphic
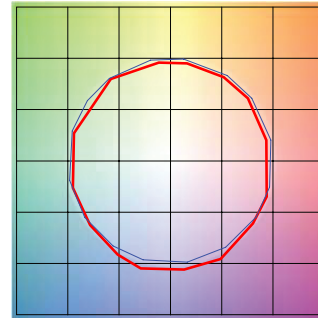
Test   Reference

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

### 3500K | Rf: 88.1 | Rg: 97.1
Color Vector Graphic
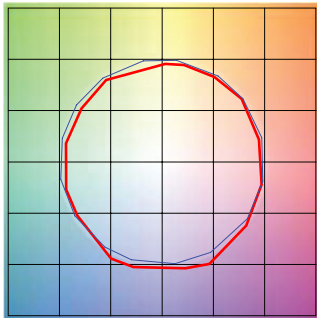
Test   Reference

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

### 2700D | Rf: 90.7 | Rg: 101.1
Color Vector Graphic
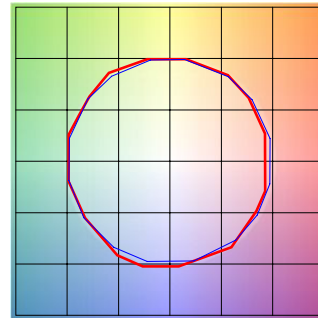
Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % CHROMA | HUE |
|---|---|---|---|
| 1 | 90.9 | -4.1% | 1.1% |
| 2 | 91.8 | -2.2% | 3.2% |
| 3 | 89.0 | 0.2% | 5.0% |
| 4 | 92.9 | -1.1% | 0.8% |
| 5 | 93.9 | 1.1% | 1.7% |
| 6 | 93.3 | 3.3% | 0.0% |
| 7 | 93.1 | -0.5% | -1.9% |
| 8 | 97.2 | -0.3% | -0.9% |
| 9 | 93.4 | -1.0% | 3.2% |
| 10 | 89.9 | -0.1% | 5.6% |
| 11 | 87.0 | 4.7% | 7.2% |
| 12 | 89.2 | 5.8% | -0.2% |
| 13 | 89.1 | 3.5% | -6.7% |
| 14 | 86.3 | 4.1% | -9.2% |
| 15 | 91.4 | -2.0% | -3.6% |
| 16 | 84.7 | -2.1% | -10.3% |

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

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# TM30 DATA
## 24VDC OUTDOOR 5W | 7W STATIC WHITE, WARM DIM & TUNABLE WHITE

REV 05.04.21

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A 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.
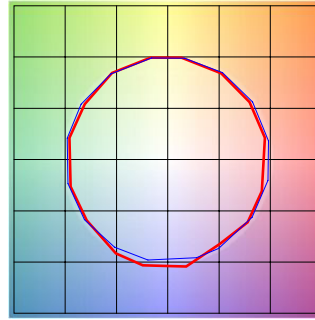
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### 3000D | Rf: 90.6 | Rg: 101.1
Color Vector Graphic
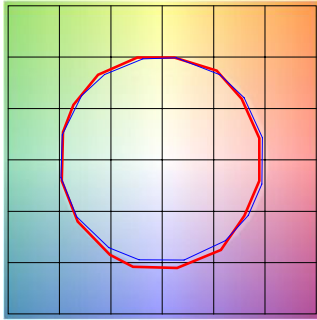


Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % CHROMA | HUE |
|---|---|---|---|
| 1 | 91.5 | -3.5% | 1.3% |
| 2 | 92.2 | -1.8% | 3.0% |
| 3 | 89.3 | 0.5% | 4.8% |
| 4 | 92.7 | -1.1% | 0.6% |
| 5 | 93.3 | 0.5% | 1.4% |
| 6 | 93.8 | 2.7% | -0.8% |
| 7 | 91.2 | -2.1% | -0.2% |
| 8 | 97.0 | -0.5% | -0.7% |
| 9 | 92.5 | -0.7% | 3.8% |
| 10 | 88.3 | 0.9% | 7.1% |
| 11 | 87.5 | 3.9% | 7.6% |
| 12 | 88.2 | 6.2% | -0.2% |
| 13 | 89.9 | 3.4% | -6.0% |
| 14 | 86.9 | 4.4% | -8.5% |
| 15 | 91.9 | -1.9% | -2.9% |
| 16 | 84.7 | -1.3% | -10.6% |

### 2000K ONLY (2K4K) | Rf: 90.6 | Rg: 98.5
Color Vector Graphic



Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % CHROMA | HUE |
|---|---|---|---|
| 1 | 87.7 | -5.5% | 1.2% |
| 2 | 88.7 | -3.9% | 4.2% |
| 3 | 90.5 | -1.5% | 4.3% |
| 4 | 95.0 | -1.7% | 0.8% |
| 5 | 95.2 | -0.2% | 2.1% |
| 6 | 94.2 | 1.6% | 1.9% |
| 7 | 95.9 | -0.8% | -2.2% |
| 8 | 95.5 | -1.7% | 1.3% |
| 9 | 93.8 | -1.4 | 2.6% |
| 10 | 91.9 | -0.7% | 4.2% |
| 11 | 91.3 | 3.6% | 3.7% |
| 12 | 91.2 | 4.2% | -1.0% |
| 13 | 86.6 | 3.8% | -12.7% |
| 14 | 67.2 | -3.0% | -16.3% |
| 15 | 84.9 | -3.3% | -9.4% |
| 16 | 84.2 | -5.7% | -7.5% |

### 3000K (2K4K) | Rf: 90.5 | Rg: 100.7
Color Vector Graphic
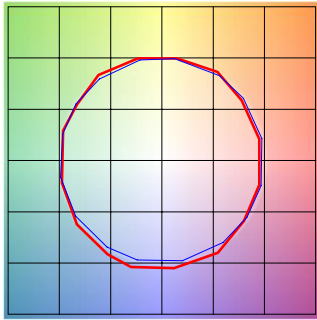


Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % CHROMA | HUE |
|---|---|---|---|
| 1 | 91.5 | -3.5% | 1.2% |
| 2 | 92.4 | -1.8% | 2.7% |
| 3 | 89.8 | 0.3% | 4.5% |
| 4 | 92.4 | -1.7% | 0.4% |
| 5 | 93.3 | -0.1% | 1.4% |
| 6 | 94.5 | 2.1% | -0.6% |
| 7 | 91.0 | -2.5% | 0.3% |
| 8 | 96.9 | -0.8% | -0.2% |
| 9 | 91.6 | -0.9% | 4.6% |
| 10 | 86.7 | 0.7% | 7.8% |
| 11 | 86.3 | 3.8% | 8.5% |
| 12 | 88.3 | 6.1% | 0.6% |
| 13 | 90.9 | 3.1% | -5.2% |
| 14 | 87.3 | 4.7% | -7.9% |
| 15 | 92.1 | -1.9% | -2.5% |
| 16 | 84.5 | -0.9% | -10.9% |

### 4000K ONLY (2K4K) | Rf: 86.4 | Rg: 96.1
Color Vector Graphic
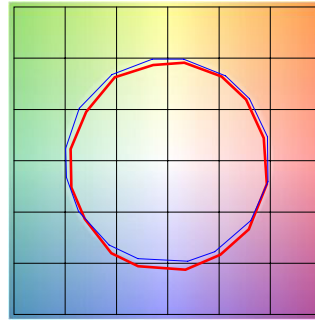


Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % CHROMA | HUE |
|---|---|---|---|
| 1 | 86.5 | -5.5% | 1.3% |
| 2 | 90.4 | -3.0% | 2.3% |
| 3 | 89.8 | -2.1% | 3.6% |
| 4 | 89.1 | -3.4% | 0.4% |
| 5 | 88.5 | -5.9% | 0.1% |
| 6 | 93.6 | -3.0% | -0.4% |
| 7 | 88.9 | -6.2% | 1.7% |
| 8 | 87.3 | -5.0% | 4.9% |
| 9 | 82.4 | -3.6% | 11.3% |
| 10 | 77.4 | -1.8% | 12.7% |
| 11 | 79.8 | 4.9% | 11.4% |
| 12 | 88.7 | 4.4% | 2.7% |
| 13 | 88.7 | 4.0% | -5.1% |
| 14 | 91.2 | 2.2% | -3.8% |
| 15 | 82.7 | -0.1% | -9.2% |
| 16 | 82.8 | -2.2% | -7.6% |

### 6500K ONLY (27K6) | Rf: 86.8 | Rg: 96.8
Color Vector Graphic
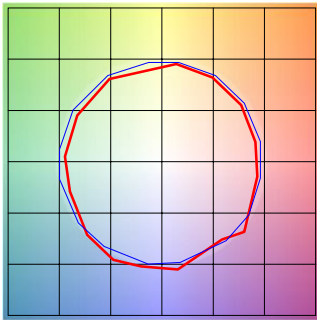


Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % CHROMA | HUE |
|---|---|---|---|
| 1 | 86.5 | -4.7% | 0.8% |
| 2 | 91.9 | -2.5% | 3.1% |
| 3 | 91.2 | -2.0% | 1.9% |
| 4 | 91.2 | -1.6% | 1.4% |
| 5 | 85.7 | -6.2% | -0.9% |
| 6 | 92.9 | -3.5% | -1.0% |
| 7 | 92.1 | -4.7% | 0.7% |
| 8 | 85.2 | -5.8% | 4.9% |
| 9 | 82.8 | -6.2% | 14.3% |
| 10 | 77.1 | -0.7% | 15% |
| 11 | 72.1 | 5.8% | 14.1% |
| 12 | 91.6 | 4.0% | 1.0% |
| 13 | 89.9 | 5.6% | -2.3% |
| 14 | 90.5 | -1.8% | -3.7% |
| 15 | 81.6 | 6.5% | -13.9% |
| 16 | 92.8 | -3.6% | -0.4% |

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

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