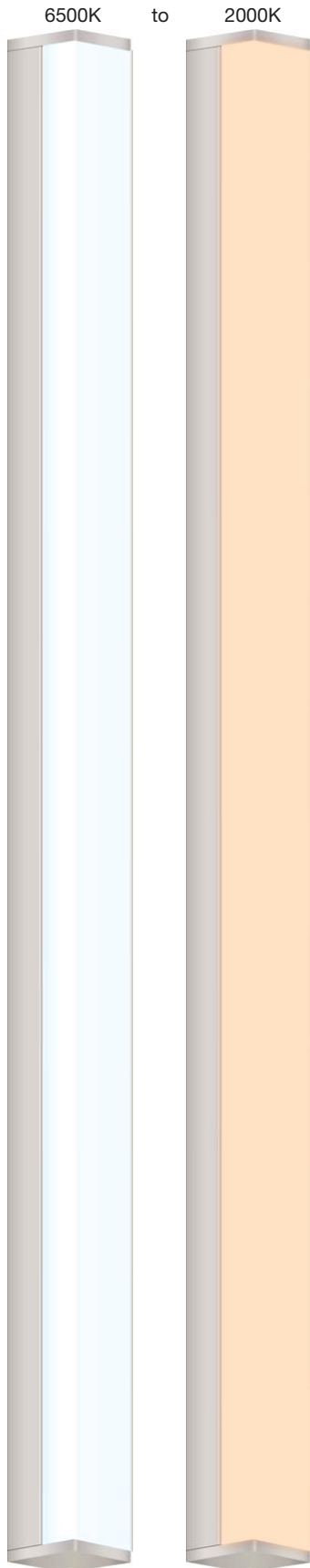


TWIGGY S1 VANITY TUNABLE WHITE

24VDC REMOTE POWER SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 06.08.21



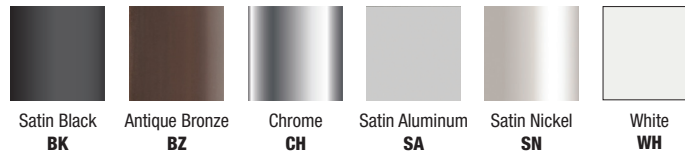
DESCRIPTION

Twiggy S1 Tunable White features a Square 1" milky White Diffuser Lens that provides uniform, Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). **2K6K** is ideal for residential spaces including, dining rooms, bedrooms, living spaces, and bathrooms by allowing the user to achieve a warm glow during the golden hours of the early mornings and evenings. For commercial environments, **27K6** promotes focus and alertness which is ideal for offices, healthcare and education, while still achieving warmer color temperatures best for hospitality and retail environments. Human-Centric lighting, or tunable white, promotes performance, mood, and overall well-being by fine-tuning the emotional effects that light has on the circadian cycle.

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

- 24VDC, Class 2 wiring
 - 0-10V: Requires two dimmers, one for intensity and one for kelvin color temperature
 - DMX: Dynamic Color Changing use our proprietary Tunable White Controller CDMX-2XK
- *In-Wall Mounting and drop ceiling Kits available for select power supplies

FINISHES



3D FILES:

[3D Assets available on 3D Warehouse](#)

APPROVALS

Class 2 Wiring up to 100 watts, Damp Location Suitable, ETL listed. Title 24 with select power supplies, Made in America.

PHYSICAL ATTRIBUTES:

- Mounting Options: **4SQ:** 4.6" Floating Square Canopy Mounts to standard 4" electrical box with round plaster ring anywhere along the fixture, vertically or horizontally.
1RE: Floating Rectangular Canopy Mounts to the Slim Profile Junction Box (included) recommend for new construction application.
- Ordering Increments*: Twiggy S1 is available in various increments from 12" up to 120". May be custom ordered in 2" or 3" increments. *Custom Lengths Available*
- Compliance: ADA, ETL, Title 24
- Warranty: PureEdge's 5 Year pro-rated warranty is backed by over 30 years of precision lighting manufacturing and design.

APPLICATIONS

Indoor Only, Damp Location - Bathroom Vanity, Dressing Rooms, Resort Spa, Beauty Salon, Retail Changing rooms, Hospitality, Offices Spaces. Hallway lighting, Health Care Human Centric lighting

| Product | Lens | Canopy | Length in Inches | Color Temperature | Finish |
|---|------------------------|---|--|--|--|
| TW2R Twiggy Vanity 24VDC Remote power supply order separately | S1 Square 1" | 1RE 1" Rectangle with Junction Box 4SQ 4" Square Floating Canopy | 12-120 Order in 12" increments up to 120". May be ordered in 3", 5", 8", or 10" increments.* Chrome max 84". *See p. 2 for actual lengths. | 2K6K Tunable White 2000K-6500K 27K6 Tunable White 2700K-6500K | BK Satin Black BZ Antique Bronze CH Chrome (Max 84") SA Satin Aluminum SN Satin Nickel WH White |

| | | |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
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Nominal Lamp Data: Lamp data for the Twiggy Vanity

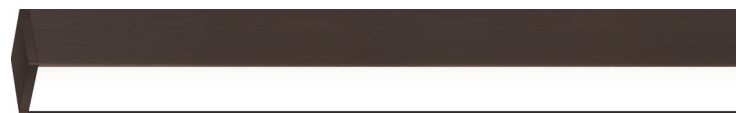
| TW2 (at 5 watts per ft) | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TWIGGY S1 VANITY - TUNABLE WHITE 2000K-6500K (2K6K) | | | | | | | | | |
| 2K6K 5W (4.6 watts) | | | | | | | | | |
| DESCRIPTION | | | | | | | | | |
| WATTS PER FOOT | | | | | | | | | |
| COLOR TEMPERATURE | 20K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 65K |
| LUMENS PER FOOT (lm/ft) | 267 | 281 | 295 | 309 | 337 | 351 | 364 | 347 | 336 |
| LUMENS PER WATT (lm/w) | 67 | 61 | 64 | 67 | 73 | 76 | 91 | 87 | 85 |
| CRI | 83+ | 83+ | 92+ | 92+ | 92+ | 94+ | 94+ | 93+ | 93+ |

| TW2 (at 5 watts per ft) | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|--|
| TWIGGY S1 VANITY - TUNABLE WHITE 2700K-6500K (27K6) | | | | | | | | |
| 27K6 5W (4.6 watts) | | | | | | | | |
| DESCRIPTION | | | | | | | | |
| WATTS PER FOOT | | | | | | | | |
| COLOR TEMPERATURE | 27K | 30K | 35K | 40K | 45K | 57K | 65K | |
| LUMENS PER FOOT (lm/ft) | 335 | 344 | 354 | 365 | 351 | 347 | 336 | |
| LUMENS PER WATT (lm/w) | 84 | 86 | 86 | 85 | 85 | 87 | 85 | |
| CRI | 93+ | 93+ | 94+ | 94+ | 94+ | 93+ | 93+ | |

FINISHES:



Satin Black
BK



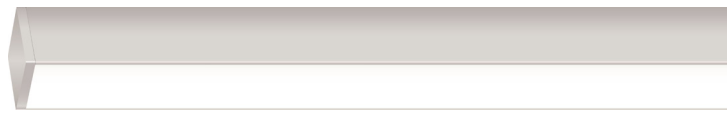
Antique Bronze
BZ



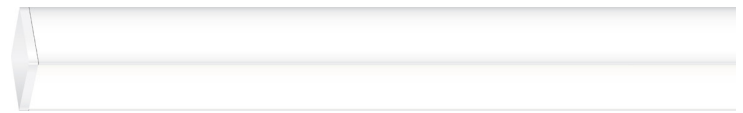
Chrome
CH



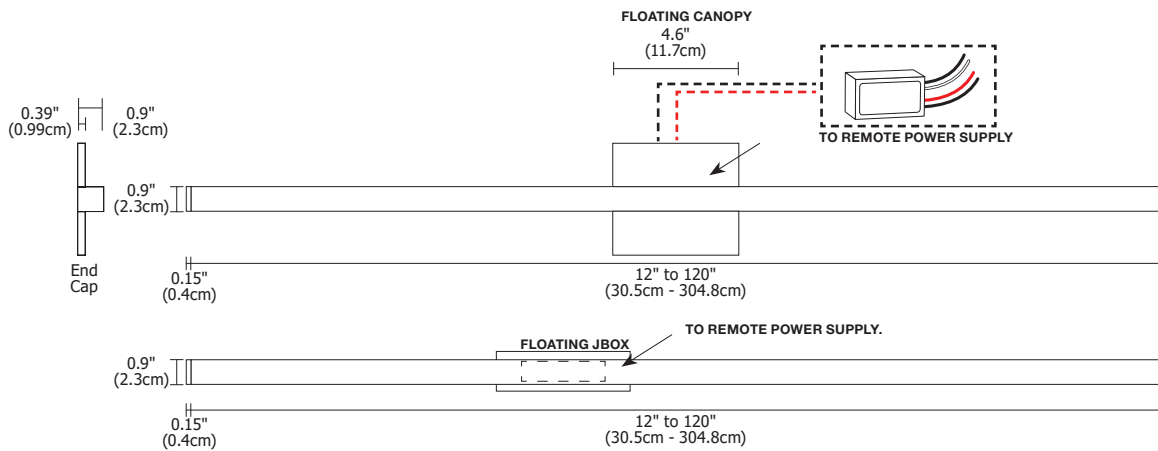
Satin Aluminum
SA



Satin Nickel
SN



White
WH



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

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

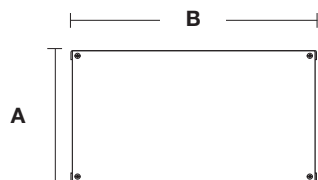
24VDC INDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

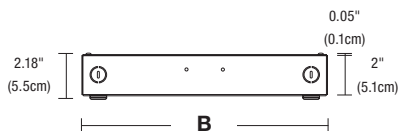
REV 06.08.21



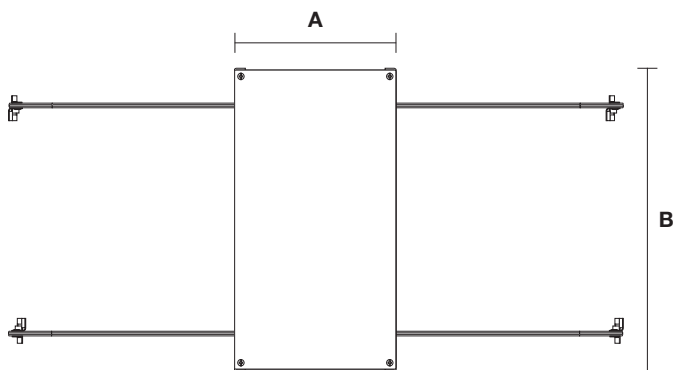
PSB-96W-010-24VDC-2XK



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 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

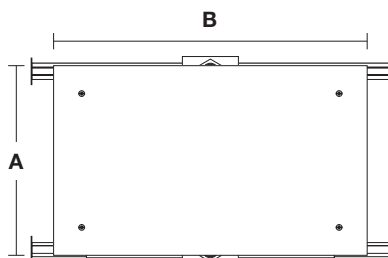
Made in the USA, UL, CE, Title 28, Plenum for use in Accordance with UL 2043. JA8 compliant when used with Pure Edge Tunable White Products.

| 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 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)

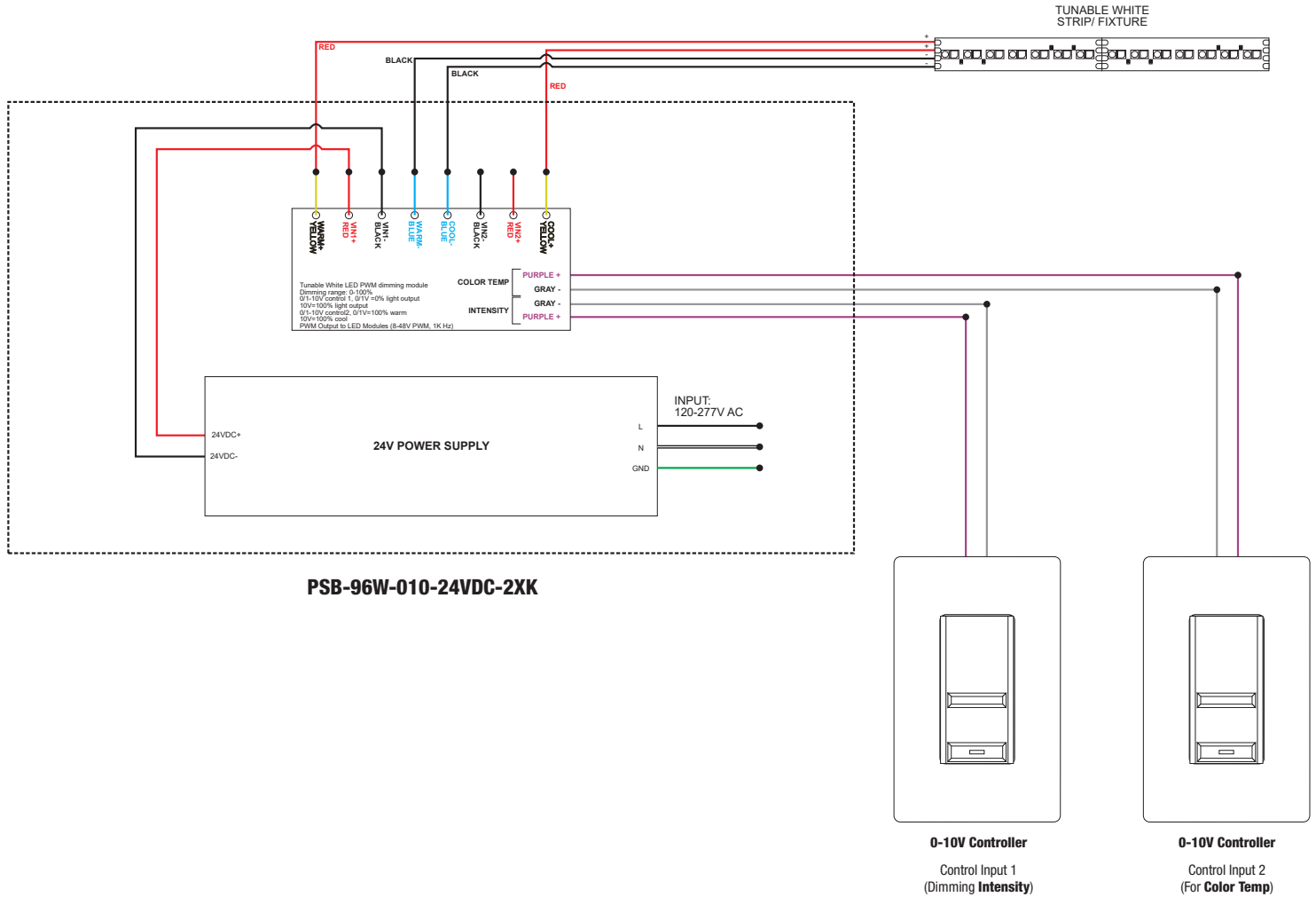
| IN-WALL DIMENSIONS | | |
|--------------------------|------|--------|
| | A | B |
| PSB-96W-010-24VDC-2XK-IW | 8.5" | 14.25" |

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

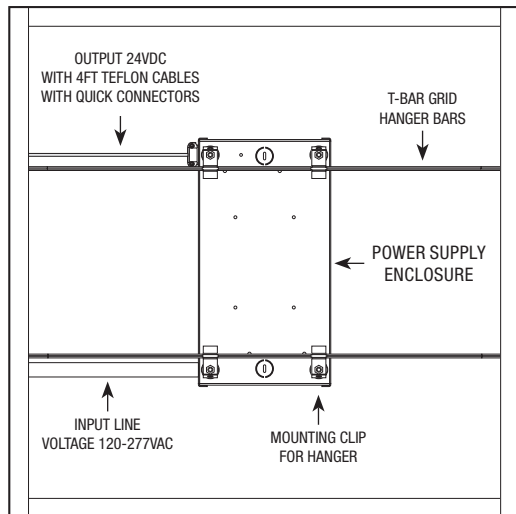
INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY

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

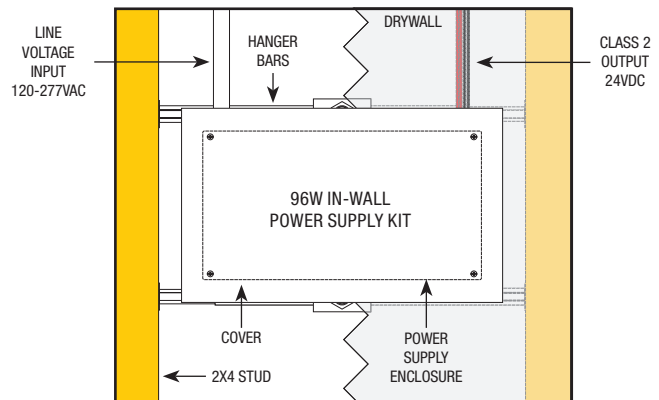
Application: 0-10V dimming for Tunable White LED Strip/Fixture



T-BAR GRID CEILING



IN WALL KIT

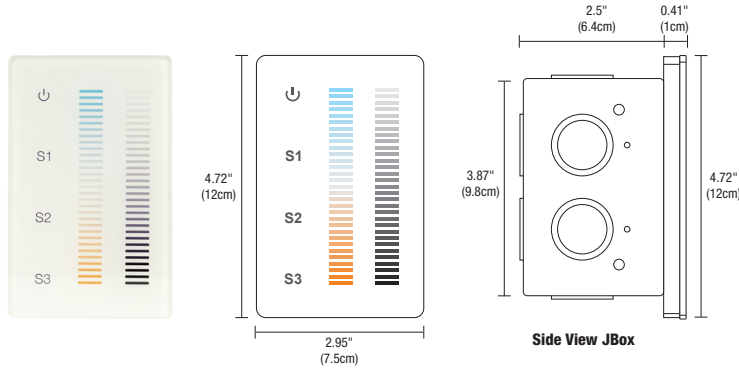


| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
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TUNABLE WHITE DMX CONTROLLER AND POWER SUPPLIES

24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DRIVERS

REV 06.08.21



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:

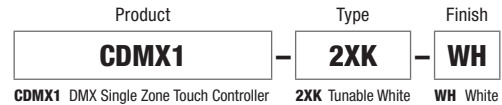
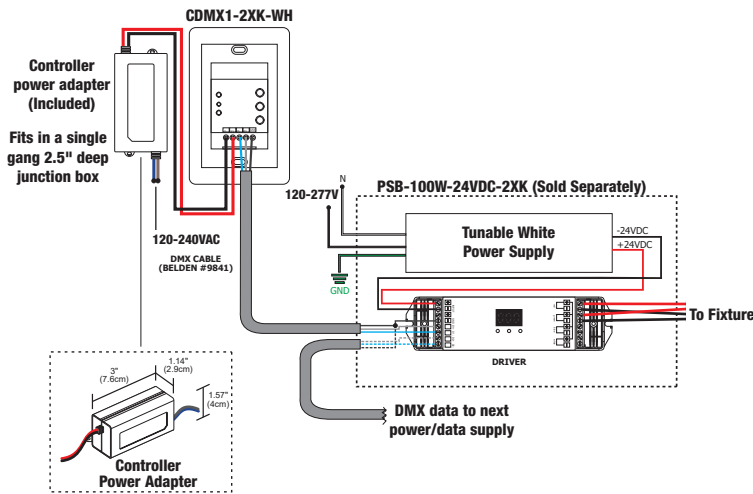
Fits in a single gang 2.5" deep junction box. Not compatible with multi-gang boxes.

LABELS:

ROHS, FCC, Damp Location, ETL/UL

POWER INPUT:

120-240VAC

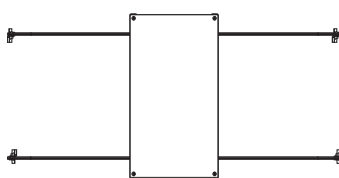


COLOR CHANGING (DMX) POWER SUPPLIES

| ORDERING CODE | PSB-100W-24VDC-2XK | PSB-2X100W-24VDC-2XK | PSB-3X100W-24VDC-2XK | PSB-4X100W-24VDC-2XK |
|---|---|---|---|---|
| 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) | • | • | • | • |

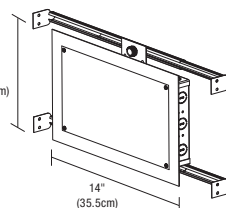
- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements

- 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

| | | |
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| PROJECT | FIXTURE TYPE | DATE |
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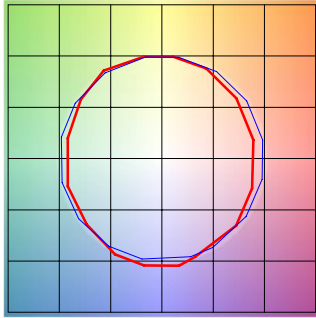
VANITY TM30 DATA

24VDC REMOTE POWER SYSTEM

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

2000K ONLY (2K6K) | Rf: 84.3 | Rg: 96.9

Color Vector Graphic

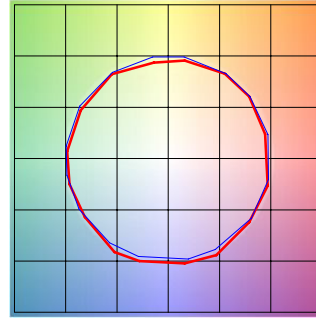


■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|--------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 80.3 | -8.9% | 1.7% |
| 2 | 79.7 | -7.0% | 7.8% |
| 3 | 78.9 | -2.9% | 10.0% |
| 4 | 89.5 | -0.5% | 5.1% |
| 5 | 94.4 | 0.7% | 1.7% |
| 6 | 92.1 | 2.4% | -0.3% |
| 7 | 89.4 | -2.4% | -5.9% |
| 8 | 89.7 | -6.4% | -0.2% |
| 9 | 86.0 | -4.9% | 4.6% |
| 10 | 81.8 | -3.4% | 9.3% |
| 11 | 83.1 | 3.3% | 9.7% |
| 12 | 85.8 | 5.6% | 3.3% |
| 13 | 85.6 | 6.2% | -12.8% |
| 14 | 61.7 | -1.9% | -19.0% |
| 15 | 79.7 | -3.3% | -12.9% |
| 16 | 78.1 | -7.9% | -10.6% |

4000K ONLY (2K6K) | Rf: 89.6 | Rg: 99.1

Color Vector Graphic

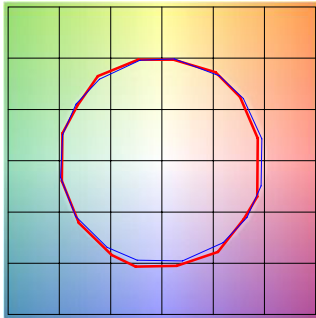


■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 91.3 | -2.5% | 1.0% |
| 2 | 95.3 | -0.5% | 0.5% |
| 3 | 94.3 | -0.7% | 1.1% |
| 4 | 91.1 | -3.4% | -1.1% |
| 5 | 89.5 | -5.6% | 0.0% |
| 6 | 94.6 | -1.4% | 1.3% |
| 7 | 93.2 | -3.0% | 2.6% |
| 8 | 91.3 | -1.8% | 4.6% |
| 9 | 86.5 | -0.9% | 9.1% |
| 10 | 83.3 | -0.5% | 9.5% |
| 11 | 83.3 | 4.9% | 9.0% |
| 12 | 89.7 | 4.1% | 1.7% |
| 13 | 90.1 | 3.6% | -4.3% |
| 14 | 93.4 | 5.2% | -2.1% |
| 15 | 87.4 | 0.4% | -4.3% |
| 16 | 86.6 | 0.4% | -6.1% |

2K6K (3000K) | Rf: 90.2 | Rg: 101.4

Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|--------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 90.9 | -3.8% | 1.3% |
| 2 | 91.7 | -1.9% | 3.3% |
| 3 | 88.7 | 0.7% | 5.1% |
| 4 | 92.4 | -1.0% | 0.7% |
| 5 | 92.9 | 0.9% | 1.7% |
| 6 | 93.1 | 3.3% | -0.6% |
| 7 | 91.0 | -1.8% | -0.4% |
| 8 | 97.0 | 0.2% | -1.1% |
| 9 | 92.8 | -0.5% | 3.6% |
| 10 | 88.3 | 1.0% | 7.0% |
| 11 | 87.1 | 3.8% | 7.8% |
| 12 | 87.6 | 6.5% | -0.3% |
| 13 | 89.3 | 3.6% | -6.3% |
| 14 | 86.1 | 4.5% | -9.1% |
| 15 | 91.6 | -1.9% | -3.1% |
| 16 | 83.8 | -1.5% | -11.2% |

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