



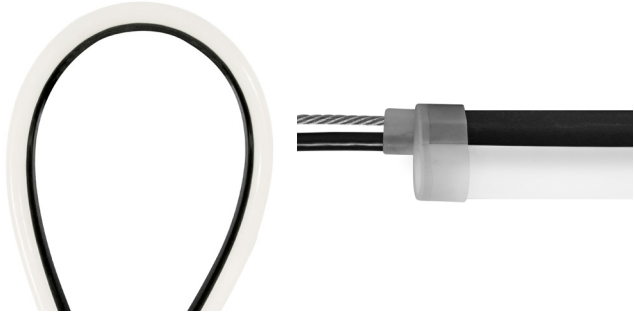
# SABER SUSPENSION, 0.8" ROUND OUTDOOR WET LOCATION

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



ASSEMBLED IN AMERICA | US PATENT PENDING

REV 04.26.21



## 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 7W - 24ft with power feeds at both ends, 12ft with one feed
MATERIAL	UV Resistant PVC
OPERATING TEMPERATURE	-4° F (-20° 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)

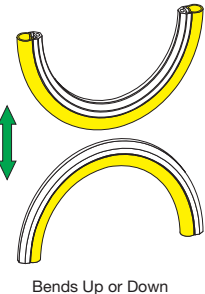
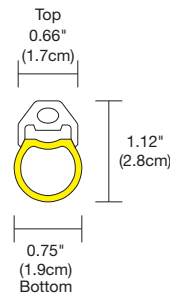
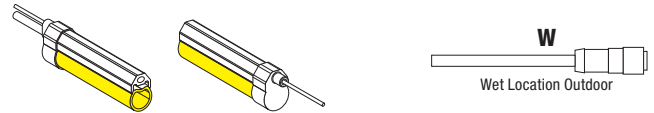
- UNI Driver: Universal Dimming (**TRIAC, ELV, 0-10V**) with corresponding dimmer
- 0-10V
- Color Changing (**DMX**)

## 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



System	Viewing Angle Model Shape	Wattage	Length in Feet	Color Temperature	5" Input Wire Feed	Output Wire	Environment
<b>FN</b>	<b>SCS8</b>	<b>5W</b>	<b>20</b>	<b>27K</b>	<b>E</b>	<b>CA</b>	<b>W</b>
<b>FN</b> Flex Neon 24V	<b>SCS8</b> Suspension Saber .8" bends up/down. Order suspension aircraft cable separately.	<b>5W</b> 4.4 watts per foot <b>7W</b> 7.3 watts per foot	5W - Up to 20ft with power feed at one end 7W - Up to 12ft with power feed at one end  Lengths surpassing 26ft may have a slight sag up to 1"	<b>20K</b> 2000K Candle Light White <b>22K</b> 2200K Amber White <b>24K</b> 2400K Very Warm White <b>27K</b> 2700K Incandescent White <b>27D*</b> 2700K Warm Dim, Dims to 1800K <b>30K</b> 3000K Warm White <b>30D*</b> 3000K Warm Dim, Dims to 2000K <b>35K</b> 3500K Neutral White <b>40K</b> 4000K Cool White <b>57K</b> 5700K Daylight White <b>2K6K</b> Tunable White 2000K-6500K <b>27K6</b> Tunable White 2700K-6500K	<b>E</b> End Power Input Wire	<b>CA</b> Cap at end, no feed through	<b>W</b> 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
<b>FN</b>	<b>SCS8</b>	<b>5W</b>	<b>40</b>	<b>27K</b>	<b>E</b>	<b>E</b>	<b>W</b>
<b>FN</b> Flex Neon 24V	<b>SCS8</b> Suspension Saber .8" bends up/down. Order suspension aircraft cable separately.	<b>5W</b> 4.4 watts per foot <b>7W</b> 7.3 watts per foot	5W - 21-40ft with power feed at both ends 7W - 13-24ft with power feed at both ends  Lengths surpassing 26ft may have a slight sag up to 1"	<b>20K</b> 2000K Candle Light White <b>22K</b> 2200K Amber White <b>24K</b> 2400K Very Warm White <b>27K</b> 2700K Incandescent White <b>27D*</b> 2700K Warm Dim, Dims to 1800K <b>30K</b> 3000K Warm White <b>30D*</b> 3000K Warm Dim, Dims to 2000K <b>35K</b> 3500K Neutral White <b>40K</b> 4000K Cool White <b>57K</b> 5700K Daylight White <b>2K6K</b> Tunable White 2000K-6500K <b>27K6</b> Tunable White 2700K-6500K	<b>E</b> End Power Input Wire	<b>E</b> End Wire Lead Out	<b>W</b> 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

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

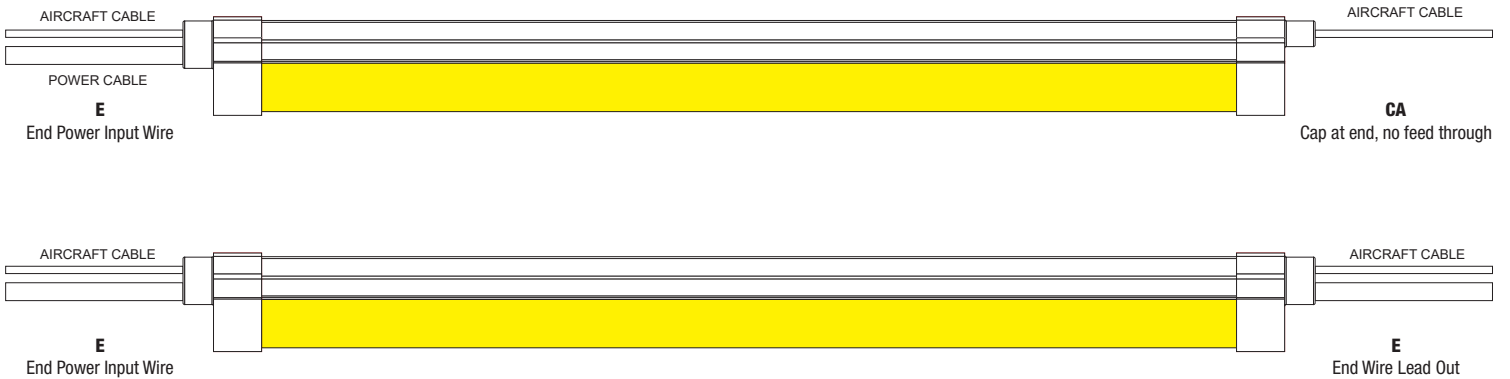
FN-SCS8																
WATTS PER FOOT	5W (4.4 watts)									7W (7.3 watts)						
<b>COLOR TEMPERATURE</b>	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
<b>LUMENS PER FOOT (lm/ft)</b>	257	283	312	398	342	405	392	426	453	419	462	509	557	639	695	738
<b>LUMENS PER WATT (lm/w)</b>	58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

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

WATTS PER FOOT	2K6K - 5W (4.4 watts)										27K6 - 5W (4.4 watts)						2K6K - 7W (7.3 watts)						27K6 - 7W (7.3 watts)									
<b>COLOR TEMPERATURE</b>	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
<b>LUMENS PER FOOT (lm/ft)</b>	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
<b>LUMENS PER WATT (lm/w)</b>	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
<b>CRI</b>	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.

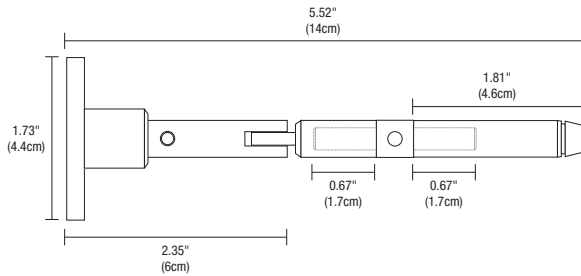
**Drawings:** Saber Line SCS8



**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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### 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
<b>SABT</b>	<b>SA</b>
<small>SABT Saber Line Turnbuckle</small>	<small>SA Satin Aluminum</small>



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

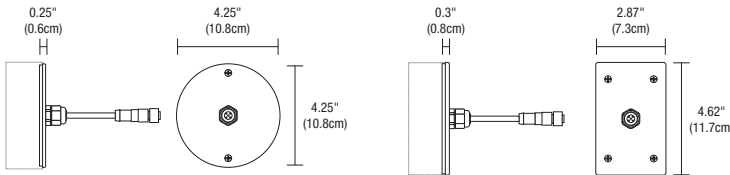
Product	Type	Length
<b>ACBL</b>	<b>SAB</b>	<b>50FT</b>
<small>ACBL Aircraft Cable for Saber</small>	<small>SAB Saber</small>	<small>10ft to 50ft lengths</small>



### CANOPY (ORDER SEPARATELY)

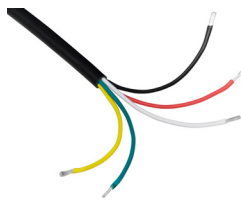
Outdoor canopy with 8ft outdoor barrel connector power feed, may be cut on job site.

System	Type	Canopy	Finish
<b>OC8P</b>	<b>CFX</b>	<b>RD</b>	<b>ZN</b>
<small>OC8P Outdoor Canopy with 8ft outdoor Power cable</small>	<small>CFX Flexible 4 Wire Cable with Barrel Connector for Static White and Tunable LEDs</small>	<small>RD Round Cover, 1 gauge 4.125" RE Rectangle Cover, 1 gauge 2.8" x 4.5"</small>	<small>ZN Zinc</small>

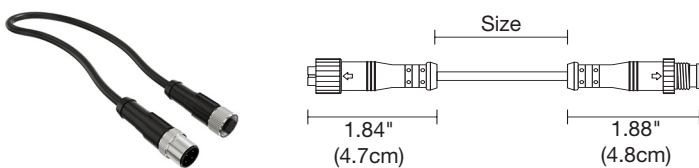


### WET AND DAMP LOCATION CABLE ORDER PER FOOT

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
<b>OC</b>	<b>14G</b>	<b>5C</b>
<small>OC Outdoor Cable</small>	<small>14G 14 Gauge</small>	<small>5C 5 Conductor</small>



### 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
<b>SS</b>	<b>CFX</b>	<b>12IN</b>	<b>W</b>
<small>SS Soft Strip and Flex Neon</small>	<small>CFX Flexible 4 Wire Connector</small>	<small>12IN 12" 96IN 96"</small>	<small>W Wet Location</small>

PROJECT	FIXTURE TYPE	DATE

# OUTDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

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

REV 04.26.21



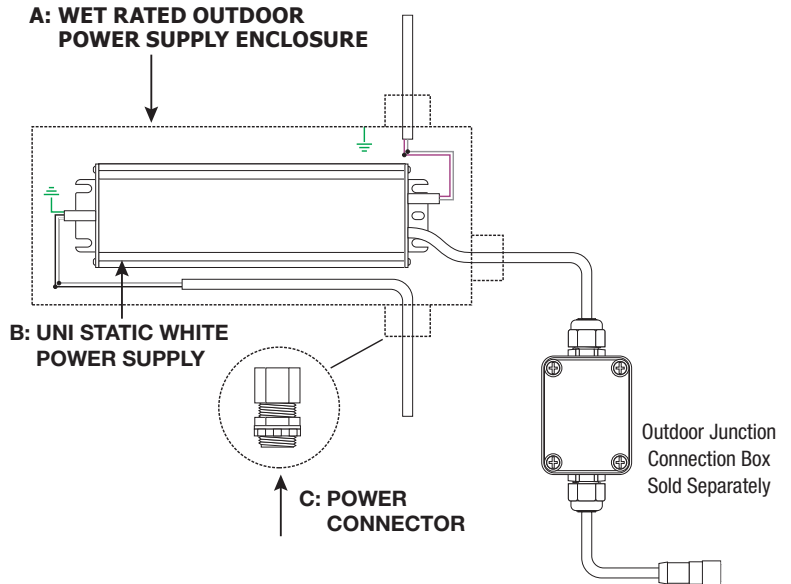
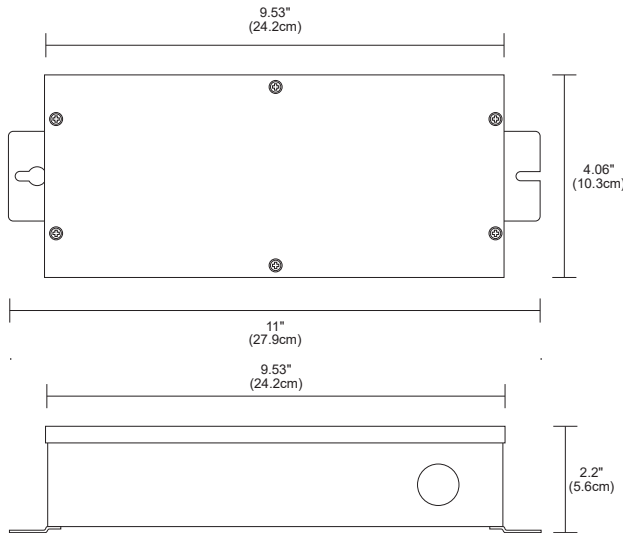
Con-1-2CORD-O Cord conductors included

## 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



Product	Wattage	Type	Voltage	Option
<b>PSB</b>	<b>60W</b>	<b>UNI</b>	<b>24VDC</b>	<b>W</b>
PSB Power Supply with Aluminum Casing	60Watts 96W	UNI Uni Driver	24VDC 24VDC	W Wet Location



### 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: DVTW-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

- 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.

### 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

PROJECT	FIXTURE TYPE	DATE
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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

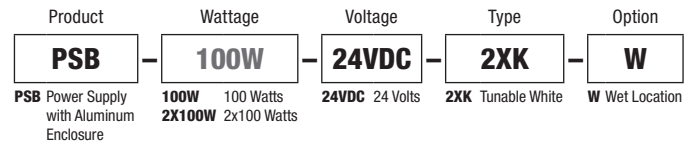
Length: 10"  
Width: 7.1"  
Height: 3.3"  
Weight: 1.6lbs

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

Length: 11.8"  
Width: 9.1"  
Height: 3.4"  
Weight: 2.26lbs

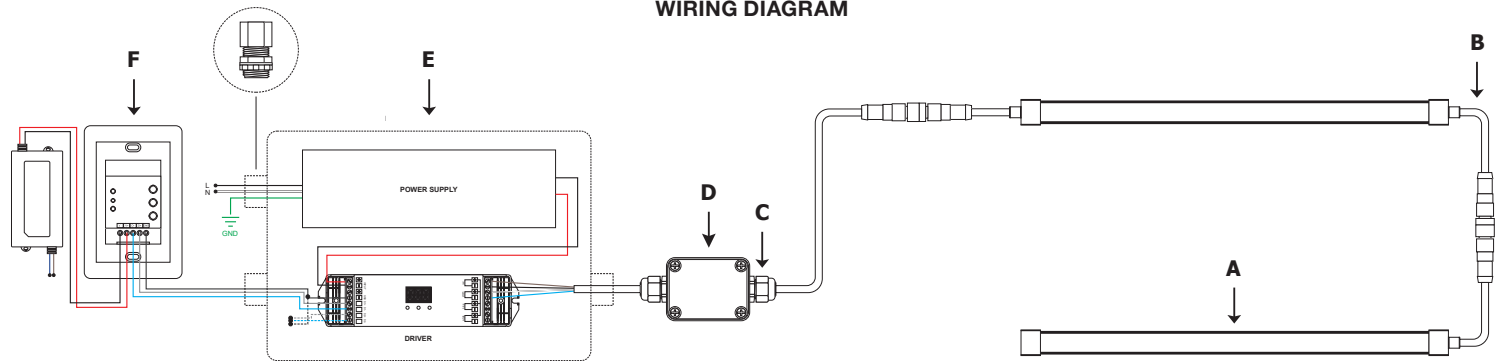
### LABELS

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



### 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)

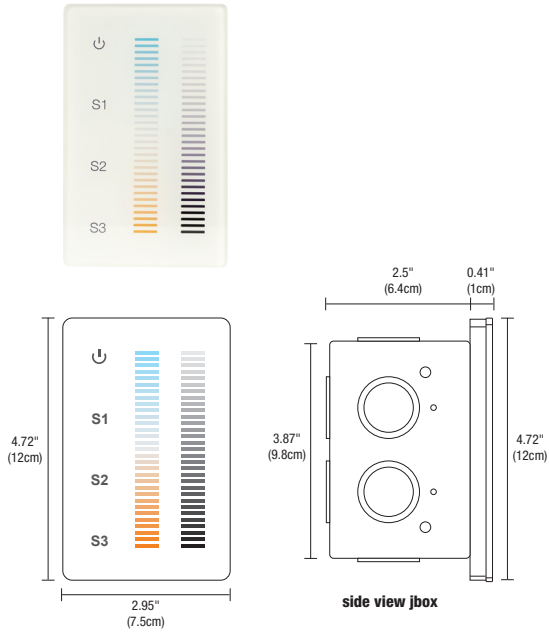
CDMX1-2XK or CTP

PROJECT		FIXTURE TYPE		DATE	
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# TUNABLE WHITE DMX WET LOCATION POWER SUPPLIES

## 24VDC OUTDOOR CONSTANT VOLTAGE

### RECOMMENDED CONTROLLERS



#### 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)

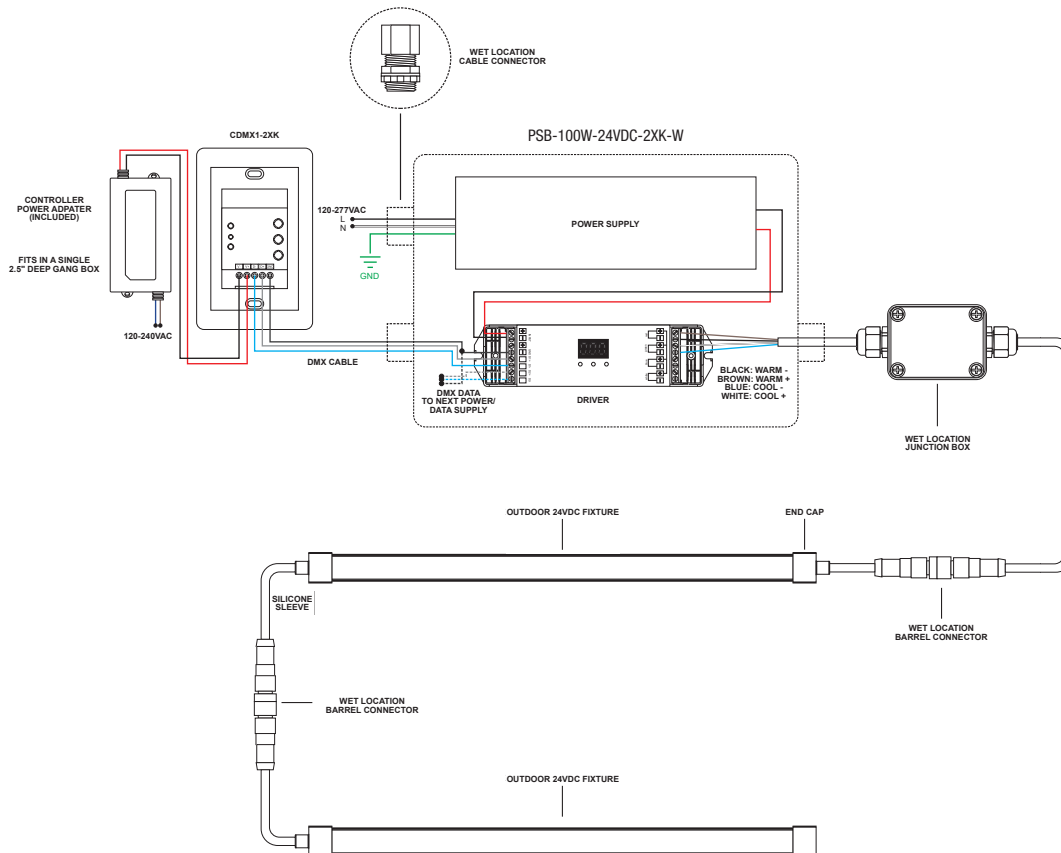
#### LABELS:

ROHS, FCC, Damp Location, ETL/UL

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

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

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



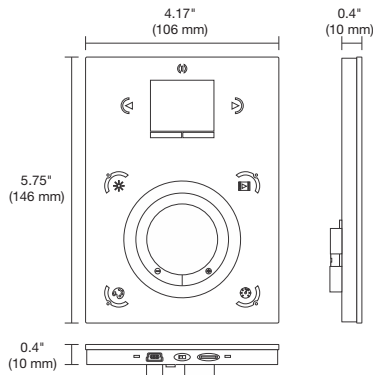
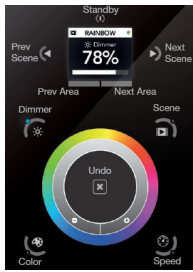
PROJECT	FIXTURE TYPE	DATE
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# TUNABLE WHITE DMX WET LOCATION POWER SUPPLIES

## 24VDC OUTDOOR CONSTANT VOLTAGE

REV 04.26.21

### RECOMMENDED CONTROLLERS



#### 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):

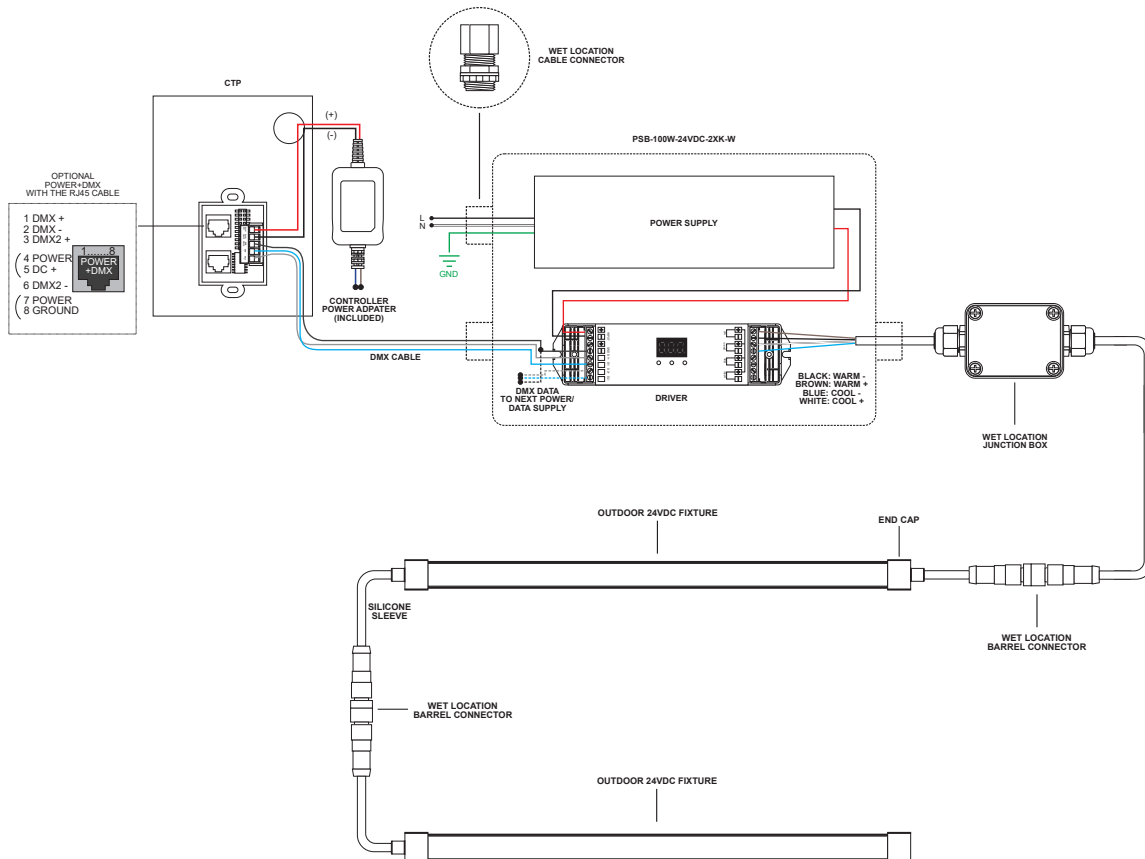
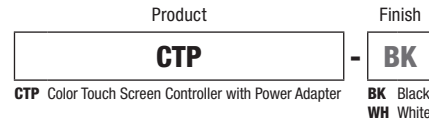
Windows ME, XP, Vista, 7 or 8 (32 bits and US 2.0, computer connection required for initial setup only.)

##### 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)

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

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



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

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 04.26.21



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

### DIMENSIONS

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

Length: 10"  
Width: 7.1"  
Height: 3.3"  
Weight: 1.6lbs

### 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.



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

### DIMENSIONS

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

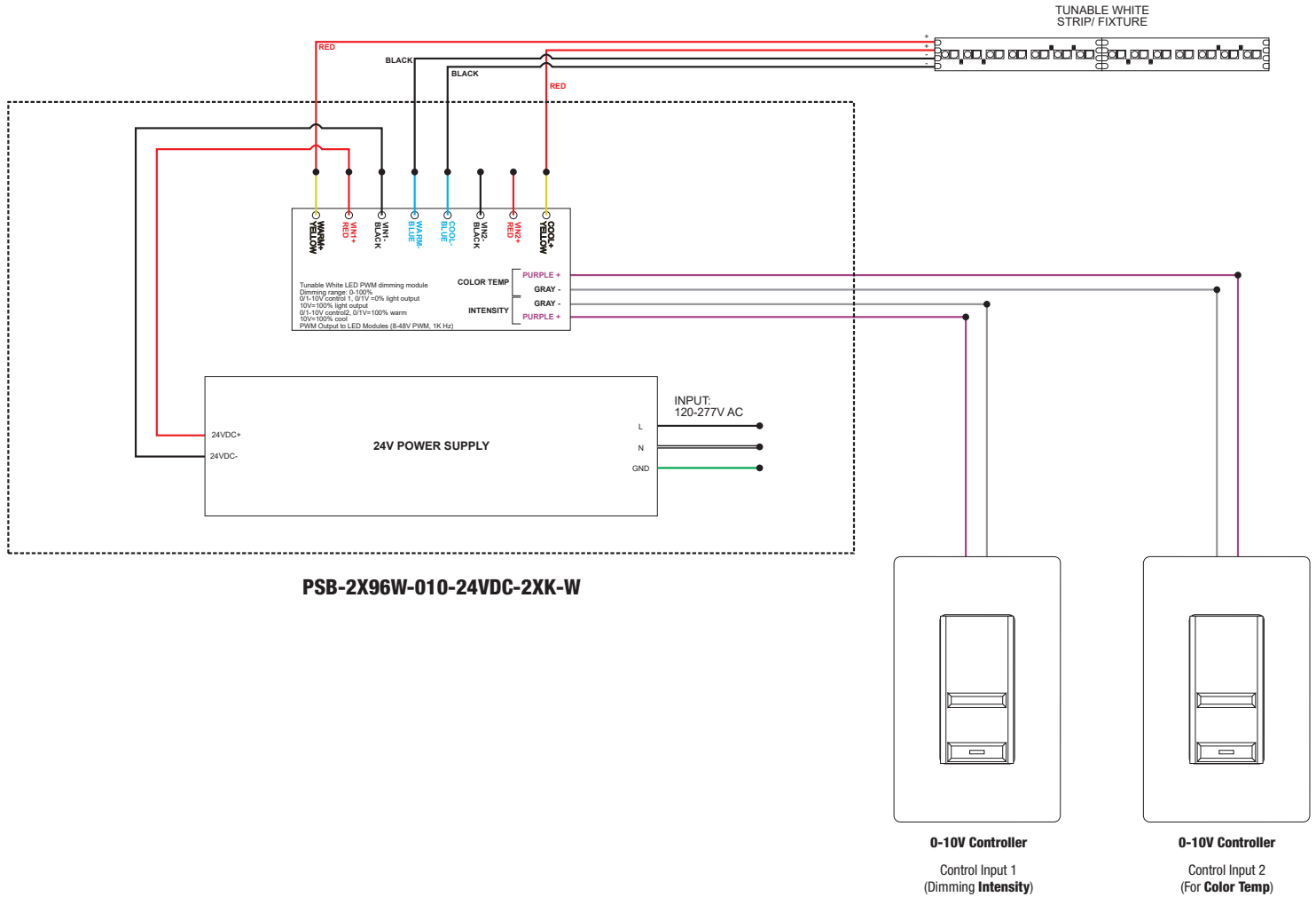
Length: 11.8"  
Width: 9.1"  
Height: 3.4"  
Weight: 2.26lbs

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

PROJECT	FIXTURE TYPE	DATE
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**Application:** 0-10V dimming for Tunable White Fixture



PROJECT		FIXTURE TYPE		DATE	
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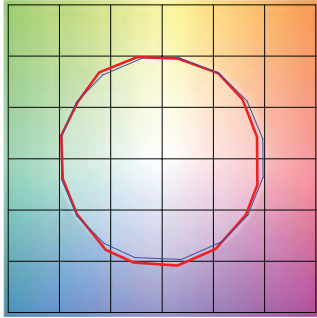
# TM30 DATA

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

**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

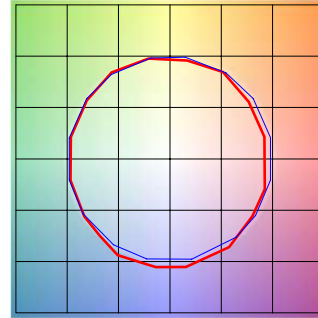


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

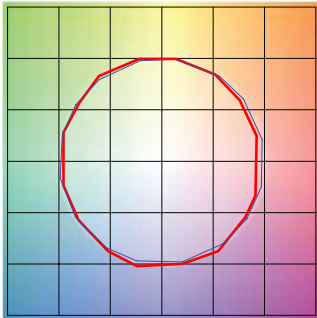


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

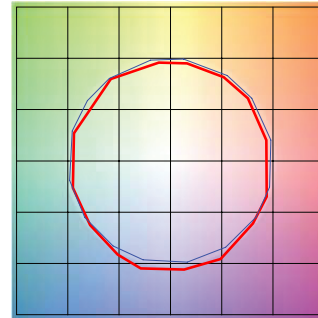


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

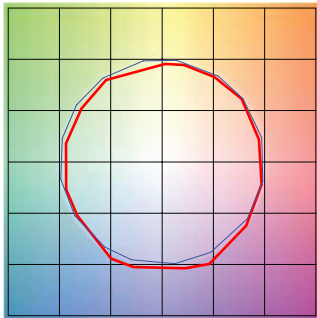


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

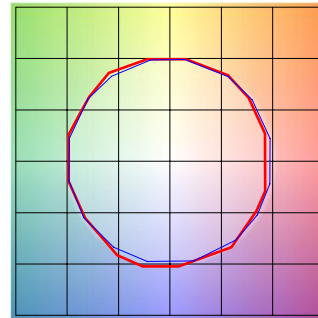


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

GRAPHIC SHIFTS %			
HUE BIN	Rf	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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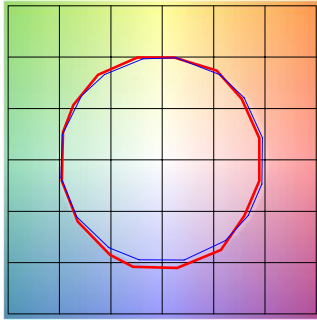
# TM30 DATA

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

**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.

**3000D** | Rf: 90.6 | Rg: 101.1

Color Vector Graphic

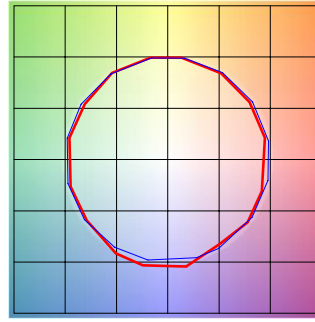


■ Test ■ Reference

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

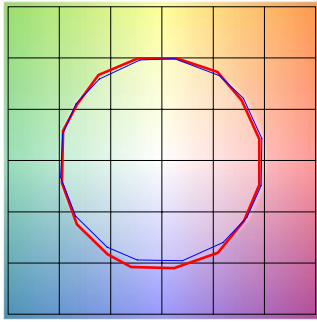


■ Test ■ Reference

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

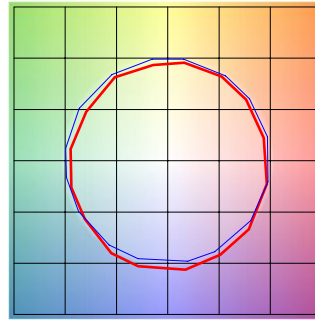


■ Test ■ Reference

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

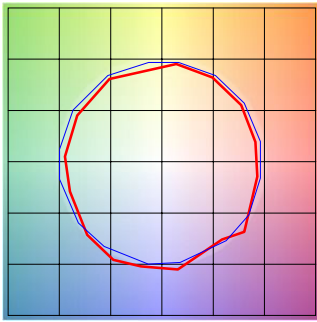


■ Test ■ Reference

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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