LAZER LINE DIRECT OR DIRECT/INDIRECT
1/2" SUSPENDED LED LIGHTING SYSTEM, 24VDC - REMOTE POWER

DESIGNED BY DEREK PORTER and GREGORY KAY | ASSEMBLED IN AMERICA

REV 07.13.20

PURE EDGE LIGHTING

Lazer Line Down Light

DESCRIPTION

Lazer Line 1/2" wide aluminum tape is a Direct and/or Indirect LED Lighting System that provides general illumination for architectural applications. Turnbuckles and anchors can be mounted wall to wall or ceiling to floor or ceiling to wall. Turnbuckles allow Lazer Line to be positioned 0-60° relative to the mounting surface, creating a 3-dimensional look that is as functional as it is visually interesting. Feed power from one or both ends for longer lengths. Mounts to standard 4" square Electrical J-Box with round plaster ring, Paint canopy to blend into wall. For compact shipment and storage, Lazer Line coils like a retractable tape measure. When uncoiled, Lazer Line becomes a 0.6 inch wide, rigid channel that spans opposing walls, ceiling, or floor surfaces. The field-cuttable channel allows continual lengths up to 60 feet with dual power feeds at each end.

APPLICATIONS

Wherever direct and indirect light sources can be used such as offices, hallways, hotels, restaurants and retail spaces.

LUMEN PERFORMANCE AT 3000K 5 W/FT
(see page 2 for 27K-35K)

LUMEN OUTPUT	357 lm/ft
EFFICIENCY	76 lm/w
CRI	94
R9	69
Rf	90
Rg	103
BEAM ANGLE	120°

PHYSICAL

ORDERING INCREMENTS	1 ft
MAX LENGTH	3W-60' 5W-40' with power feeds at both ends
MOUNTING	Adjustable turnbuckles included
FINISH	White or Satin Aluminum, Plaster and paint to blend into wall or ceiling
OPERATING TEMP	-4°F to 122°F (-20°C to 50°C)
LEDs/ft	160
AVERAGE LED LIFE	50,000 hrs
WARRANTY	5 Year Pro-rated
COMPLIANCE	RoHS

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

INPUT VOLTAGE	24VDC remote power
POWER CONSUMPTION	2.5 or 5 w/ft
DIMMING	Universal Dimming: Universal Dimming (TRIAC, ELV, 0-10V) with corresponding dimmer Lutron Hi-Lume®

*In-Wall Mounting Kits available for select power supplies

APPROVALS

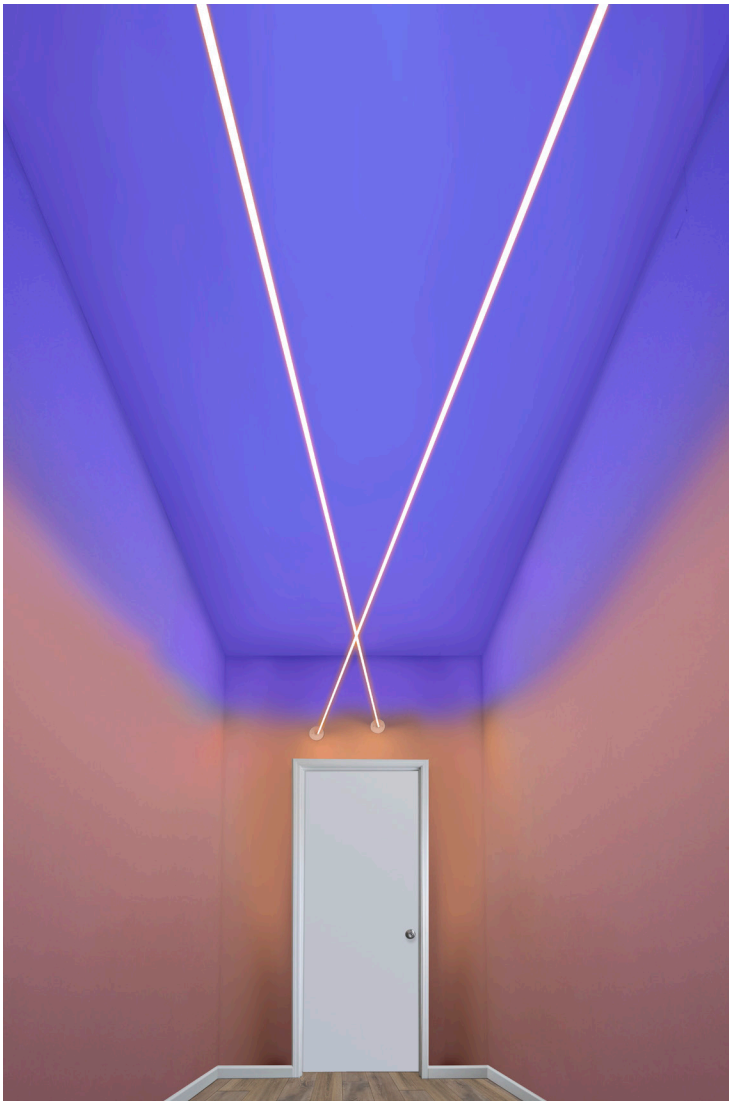ETL, Class 2 Damp Rated, Title 24

SINGLE STRIP DOWN LIGHT

Product		Wattage		Length in Feet		Color Temperature		Turnbuckle Finish
LZ.5	–	**5W**	–	**40**	–	**30KZ**	–	**SA**

LZ.5 Lazer Line 0.5" with single row Lazer Strip up to 60 feet

3W 3.3 Watts/ft up to 60 ft with power feeds at both ends
5W 5 Watts/ft up to 40 ft with power feeds at both ends
Power Feeds at one end only:
3W max length 30ft
5W max length 20ft

1-60 1-60 Feet
3 watt max 60ft.
5 watt max 40ft.

24KZ	2400K	**RZ**	Red
27KZ	2700K	**GZ**	Green
30KZ	3000K	**BZ**	Blue
35KZ	3500K	**A**	Amber

SA Satin Aluminum Turnbuckles
WH White Turnbuckles

PROJECT		FIXTURE TYPE		DATE	

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LAZER LINE DIRECT OR DIRECT/INDIRECT
1/2" SUSPENDED LED LIGHTING SYSTEM, 24VDC - REMOTE POWER

PURE EDGE LIGHTING

REV 07.13.20

LAZER LINE UP/DOWN (RGB UP LIGHT, DOWN 27K)
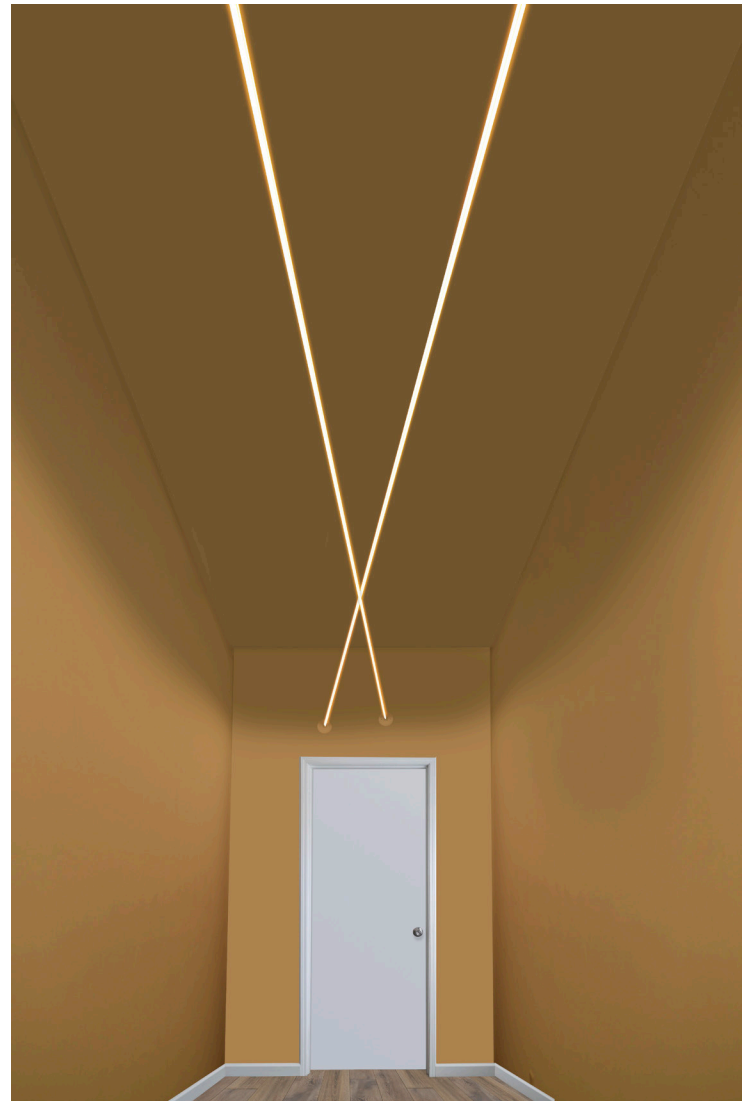
LAZER LINE UP/DOWN (UP LIGHT OFF, DOWN LIGHT 27K)

LAZER STRIP (NO LED DOTS)

Product	Wattage	Length in Feet	Lazer Strip Color Temperature Down Light	Up Light Soft Strip (with LED dots) Color Temperature	Turnbuckle Finish
LZUD.5	**5W**	**40**	**30KZ**	**30K**	**SA**

LZUD.5 Lazer Line 0.5" with two Lazer Strip Up Light and a Down Light

2X3W 2 X 3.3 Watts/ft up to 60 ft
2X5W 2 X 5 Watts/ft up to 40 ft
Power Feeds at one end only
2X3W max length 30ft
2X5W max length 20ft

1-60 1-60 Feet
3 watt max 60ft.
5 watt max 40ft.

24KZ 2400K Amber White   **RZ** Red
27KZ 2700K Very Warm White   **GZ** Green
30KZ 3000K Warm White   **BZ** Blue
35KZ 3500K Neutral White   **AZ** Amber

24K 2400K   **GGG** Green
27K 2700K   **BBB** Blue
30K 3000K   **AAA** Amber
35K 3500K   **RGB*** Red, Green, Blue 5W Only
RRR Red   **2K4K*** 2000K-4000K Dynamic / Tunable White
*Use for Up Light Only

SA Satin Aluminum
WH White Turnbuckles

24KZ - 2400K Amber White

27KZ - 2700K Very Warm White

30KZ - 3000K Warm White

35KZ - 3500K Neutral White

2K4K - 2000K-4000K Dynamic/Tunable White (for up light only)

RRR - Red

GGG - Green

BBB - Blue

AAA - Amber

RGB - Red, Green, Blue (for up light only)

PROJECT		FIXTURE TYPE		DATE	

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LAZER LINE DIRECT OR DIRECT/INDIRECT
1/2" SUSPENDED LED LIGHTING SYSTEM, 24VDC - REMOTE POWER

PURE EDGE LIGHTING

REV 07.13.20

Lamp Data: Lamp data for Lazer Light

DESCRIPTION	LAL							
	120 Degree							
WATTS PER FOOT	3w (3.3 watts)				5w (4.4 watts)			
COLOR TEMPERATURE	24K	27K	30K	35K	24K	27K	30K	35K
LUMENS PER FOOT (lm/ft)	185	204	223	255	241	265	289	331
LUMENS PER WATT (lm/w)	56	62	68	77	55	60	66	75
CRI	92	92	92	94	95	95	95	95
R9	64	66	69	77	66	66	69	76

Lazer Line Turnbuckles (included)

White Canopy **(WH)**

Satin Aluminum Canopy **(SA)**
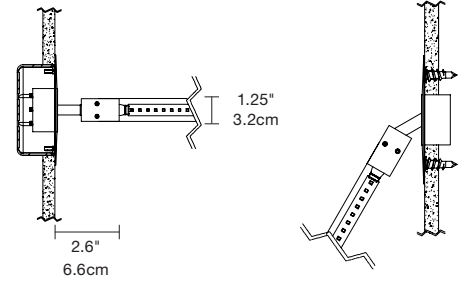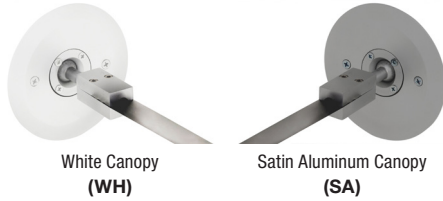
Lazer Line Channel (included)

1.25" 3.2cm

2.6" 6.6cm

Power Feed Turnbuckle Included with SLT-SA

Non-Power Feed Turnbuckle Included with SLT-SA

TURNBUCKLE ARM

CLAMP ASSEMBLY

MOUNTING ANCHORS

SEAMLESS LED

TURNBUCKLE PLATE

LAZER LINE EXTRUSION

MOUNTING SCREWS

TENSIONING SCREWS

PLASTER AND PAINT OVER TURNBUCKLE
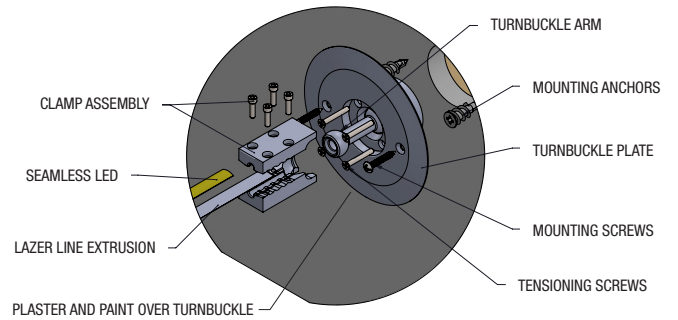
Turnbuckle Mounting Plate

1.25" 3.2cm

1.5" 3.8cm

4.6" 11.7cm
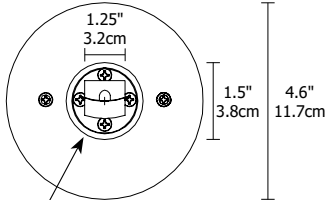
Plaster to inside lip of turnbuckle

TOTAL WATTAGE		
Total Feet	3W (3.3 Watts/ft)	5W (5 Watts/ft)
5'	17	22
10'	33	44
15'	50	66
20'	66	88
25'	83	110
30'	99	132
35'	88	175
40'	132	196
45'	150	
50'	165	
55'	181	
60'	196	

Lengths over 100 watt, require feeding from both ends.

TYPICAL DRYWALL CONFIGURATION

4.0 JBOX WITH 4" SQUARE OPENING COVER 2.75 OPENING

LAZER LINE TURNBUCKLE

LED POWER WIRING

LAZERLINE EXTRUSION WITH LED

CONFIGURABLE LED LENGTH 12" TO 720"

POWER TURNBUCKLE TO 4.0 JBOX

Field cut any length up to 60 feet

Lazer Line Channel is 0.438" wide

PROJECT		FIXTURE TYPE		DATE	

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1/2" SUSPENDED LED LIGHTING SYSTEM, 24VDC - REMOTE POWER

PURE EDGE LIGHTING

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JUNCTION BOX

CEILING

TURNBUCKLE   STANDOFF   STANDOFF   TURNBUCKLE

LAZER LINE

Product	Length	Finish
SLS	**24**	**SA**

SLS Soft Line Standoff   **24** 24" - Cut to Length At Job Site   **SA** Satin Aluminum

JUNCTION BOX

CEILING

WALL   TURNBUCKLE   WALL

LAZER LINE

TURNBUCKLE

JUNCTION BOX   TURNBUCKLE   LAZER LINE   TURNBUCKLE

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
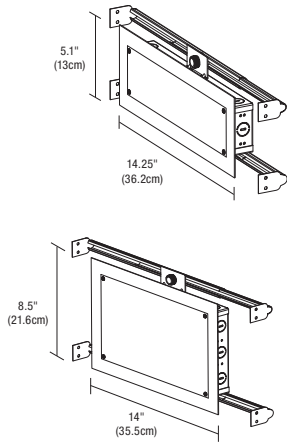## 24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

PURE EDGE LIGHTING

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS

ORDERING CODE	PSB-40W-UNI-24VDC	PSB-60W-UNI-24VDC	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC

SPECIFICATIONS

	PSB-40W-UNI-24VDC	PSB-60W-UNI-24VDC	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC
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
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

	PSB-96W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-3X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC
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
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 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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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

PURE EDGE LIGHTING

IN WALL MOUNTING OPTIONS

REV 07.13.20

5.1"
(13cm)

14.25"
(36.2cm)

8.5"
(21.6cm)

14"
(35.5cm)

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

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

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

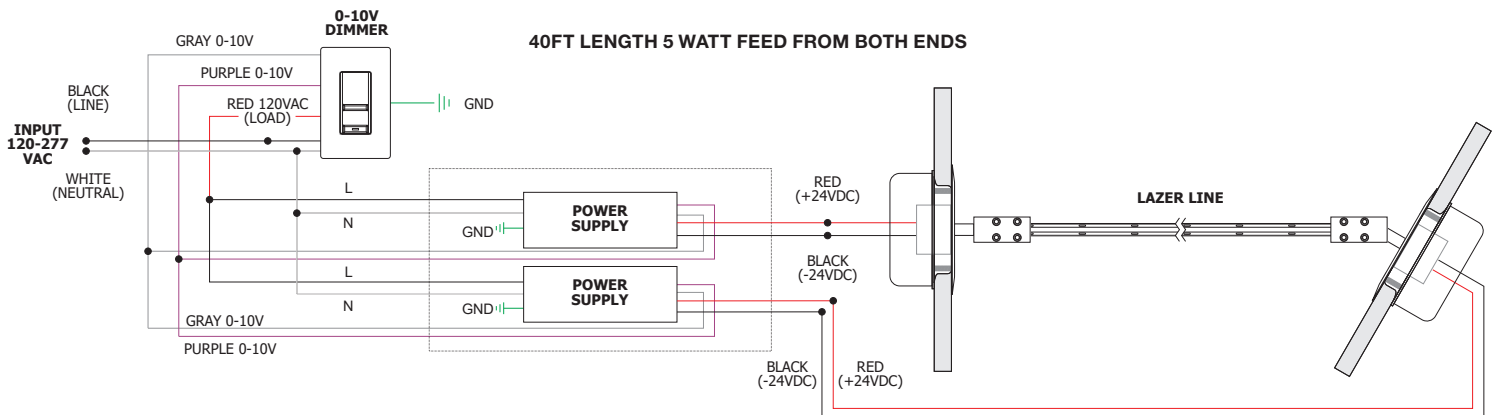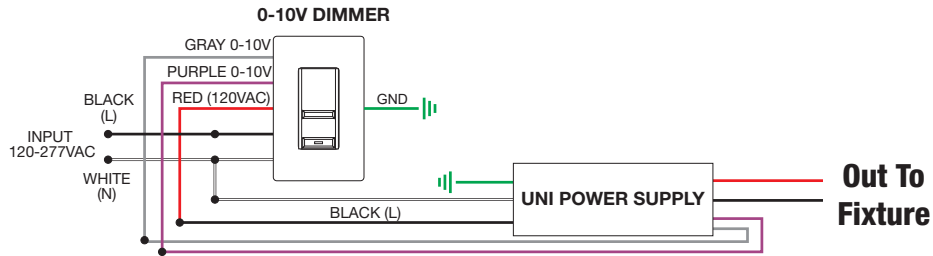## WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

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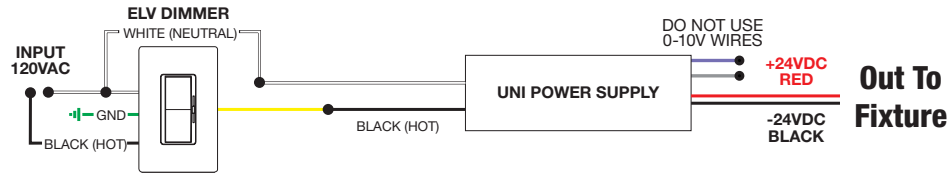
**Application:**   0-10V dimming for Static White

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

40FT LENGTH 5 WATT FEED FROM BOTH ENDS

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INDOOR DMX REMOTE POWER SUPPLIES
24VDC 1-ZONE DIMMER WITH DYNAMIC COLOR CHANGING DMX 512 PROTOCOL RGB AND RGBW
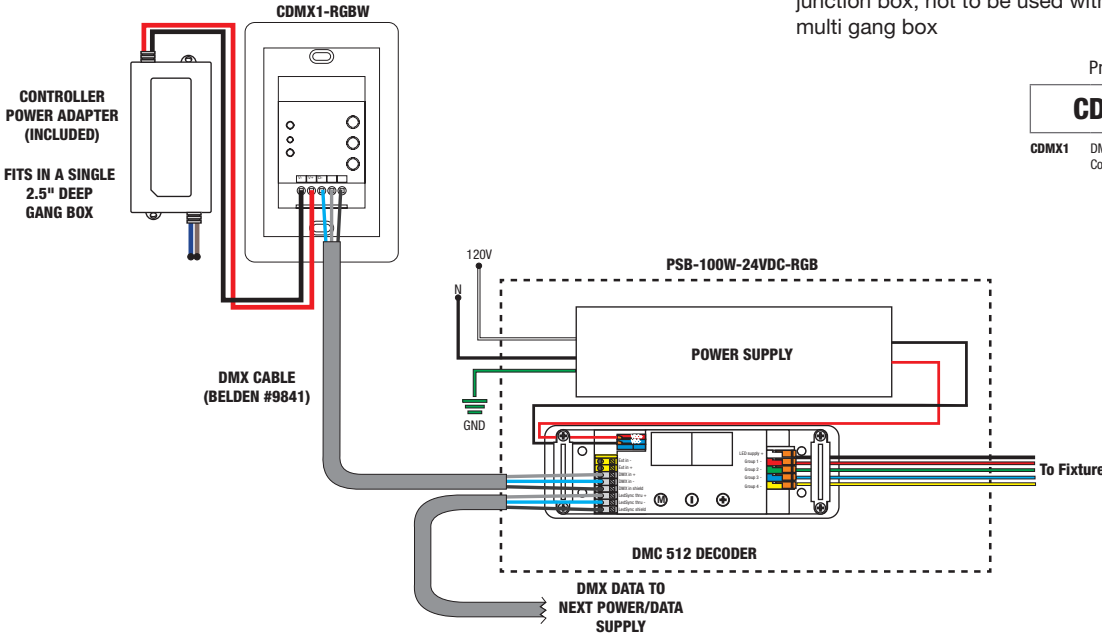
PURE EDGE LIGHTING

REV. 07.13.20
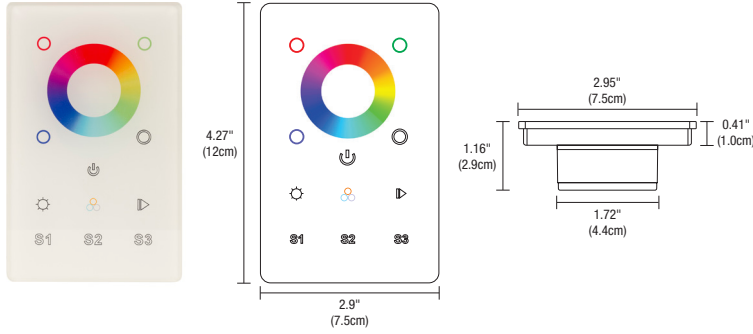
Description:
Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 1 zone controller can adjust RGB and RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications only, and includes a Power Adapter to operate the controller.

Applications:
Indoor

Power Input:
120-277VAC

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

Output Signal:
USITT DMX 512 (1990)

Product	Type	Finish
CDMX1	**RGBW**	**WH**
CDMX1 DMX 1 Zone Touch Controller	RGBW RGB & RGBW	WH White

CDMX1-RGBW

CONTROLLER POWER ADAPTER (INCLUDED)

FITS IN A SINGLE 2.5" DEEP GANG BOX

DMX CABLE (BELDEN #9841)

120V
N
GND

PSB-100W-24VDC-RGB

POWER SUPPLY

LED supply +
Group 1
Group 2
Group 3
Group 4

To Fixture

DMC 512 DECODER

DMX DATA TO NEXT POWER/DATA SUPPLY

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS

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

Classification: UL2108 - * 24VDC over 100 Watts, wires must be in conduit from Remote Power Supply to J-box.
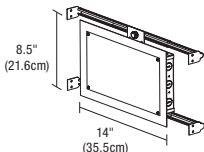
8.5" X 14" IN-WALL MOUNTING KIT

Includes Power Supply, Box Cover, and Stud Hangers for installing Junction Box in wall. Select "IW" in the options section of compatible Power Supply ordering codes if an In-Wall Mounting Kit is needed.
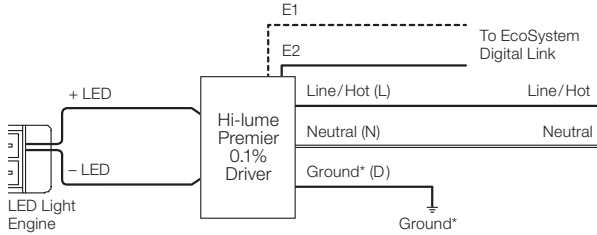
ORDERING CODES: PSB-100W-24VDC-RGB-IW

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, LUTRON ECOSYSTEM

PURE EDGE LIGHTING

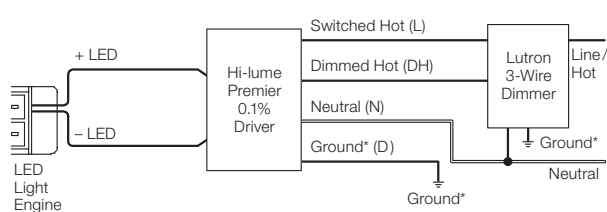| LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†			
ORDERING CODES	L3D0-96W24V-U	2-WIRE ECOSYSTEM LTEA4U1UKL-CV240	3-WIRE ECOSYSTEM L3DA4U1UKL-CV240
SPECIFICATIONS			
MAXIMUM LOAD	96W	5W-40W	5W-40W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	10.5" X 5.5" X 2"	4" X 4.89" X 2.62"	4" X 4.89" X 2.62"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
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

PROJECT		FIXTURE TYPE		DATE	

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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
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.

*Tunable White (2K4K) Color Temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-Lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

**Tunable White (2K4K) uses one or two power supplies, dependent on the controller or dimmer(s) used.
  Lutron Hi-Lume® can be used in both single or dual power formats, dependent on the controller or dimmer(s). Specify amount of Power Supplies based on this.
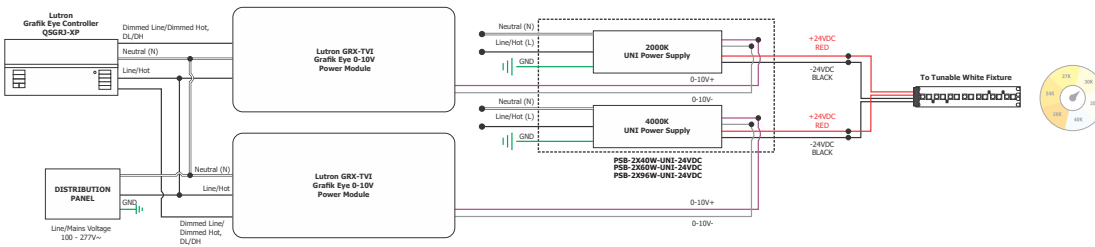
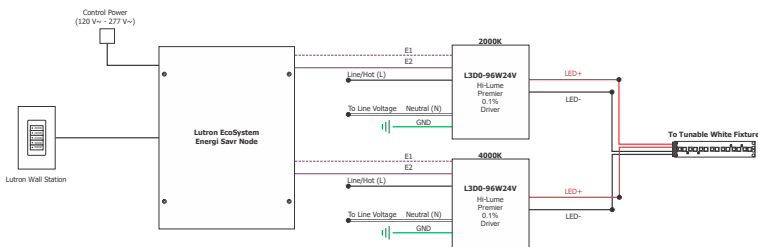**WIRING DIAGRAM:** DMX Control with Lutron Grafik Eye Control Unit
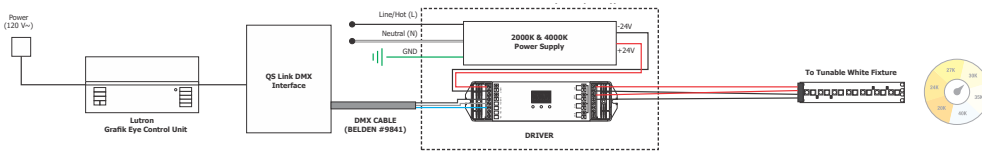
WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit
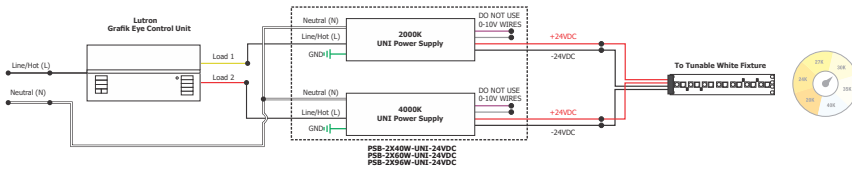
WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller

WIRING DIAGRAM: 2-Wire EcoSystem Panel

WIRING DIAGRAM: 3-Wire EcoSystem Wall Box

PROJECT		FIXTURE TYPE		DATE	

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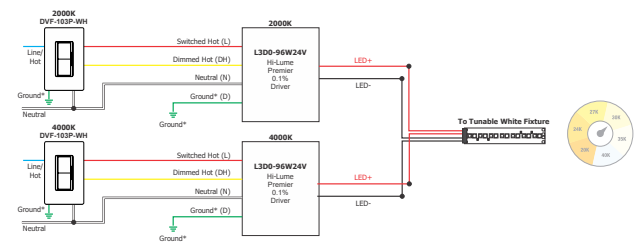
DYNAMIC/TUNABLE WHITE CONTROLLER AND POWER SUPPLIES
24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DMX DRIVERS

PURE EDGE LIGHTING
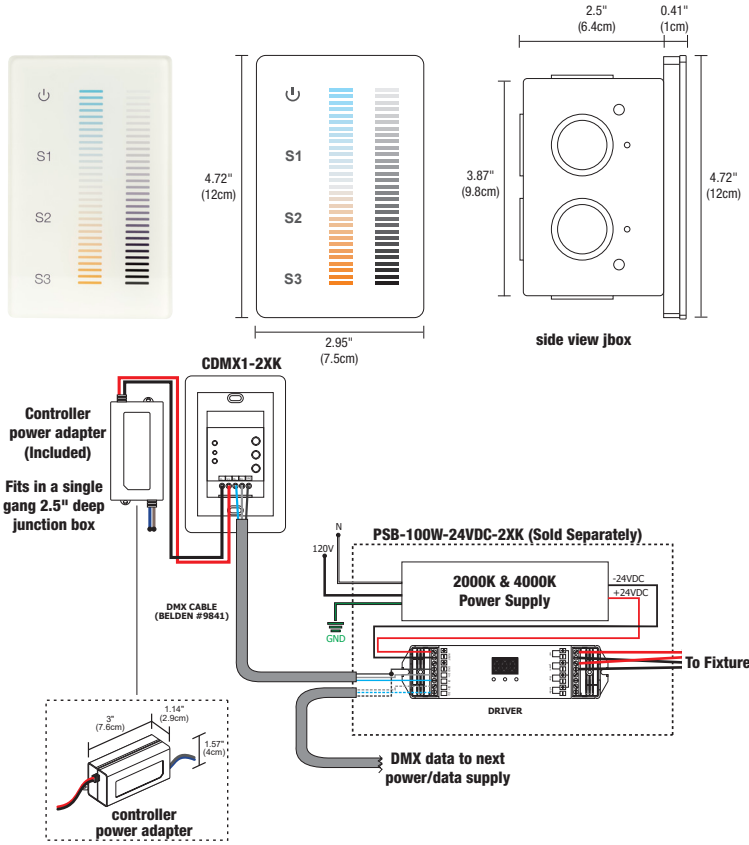
DESCRIPTION:

The Dynamic/Tunable White **(2K4K)** 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 Dynamic/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 **4000K (Cool White)** while selecting over **250 levels** of Brightness in a smooth, uninterrupted transition. Create Thousands of Dynamic 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 inch 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

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

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS†

- 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

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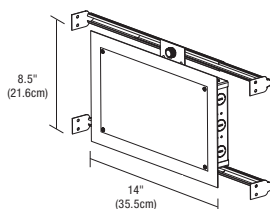
8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

PROJECT	FIXTURE TYPE	DATE

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SUSPENSION TM30 DATA
1/2" SUSPENDED LED LIGHTING SYSTEM, 24VDC - REMOTE POWER

PURE EDGE LIGHTING

TM-30-15 DATA: The data below is for Lazer Strip 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.

2400K | Rf: 91.2 | Rg: 96.8
Color Vector Graphic
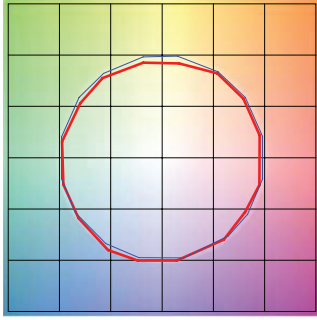
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

2700K | Rf: 87.7 | Rg: 96.1
Color Vector Graphic
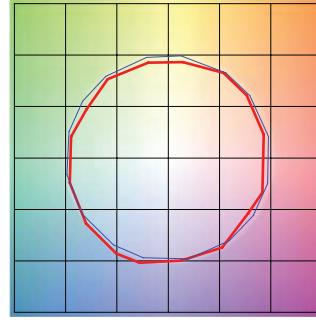
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

3000K | Rf: 88.1 | Rg: 99.7
Color Vector Graphic
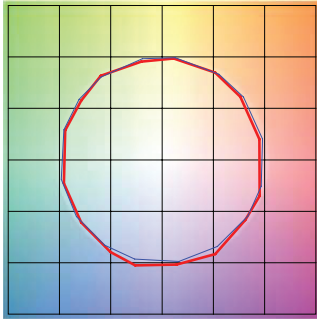
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

3500K | Rf: 86.1 | Rg: 95.5
Color Vector Graphic
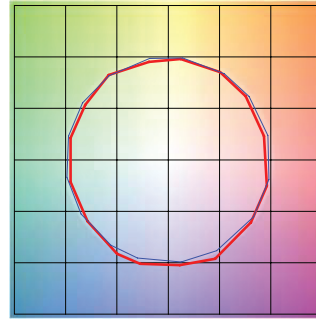
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

2000K ONLY (2K4K) | Rf: 84.3 | Rg: 96.9
Color Vector Graphic
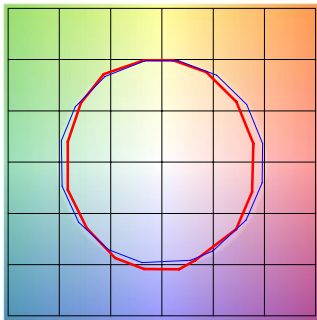
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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%

3000K (2K4K) | Rf: 90.2 | Rg: 101.4
Color Vector Graphic
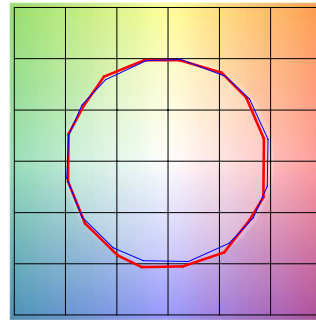
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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%

PROJECT		FIXTURE TYPE		DATE	

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SUSPENSION TM30 DATA
1/2" SUSPENDED LED LIGHTING SYSTEM, 24VDC - REMOTE POWER

TM-30-15 DATA: The data below is for Lazer Strip 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.

4000K ONLY (2K4K) | Rf: 89.6 | Rg: 99.1
Color Vector Graphic
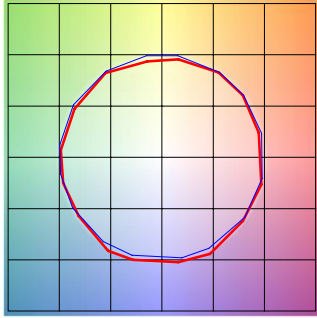
■ Test   ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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%

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