TRULINE 1A 24VDC
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE LIGHTING

Truline 1A with Citrus D1

DESCRIPTION

PureEdge pioneered the TruLine 1A BIY (Build-It-Yourself) Plaster-in, 24VDC LED system that Recesses within 5/8" drywall, without any joist modification. Redefining the relationship between Lighting and Interior Design, this Innovative and highly Efficient system blends seamlessly into the drywall, becoming part of the Architecture. The TruLine 1A BIY system makes creating complex configurations simple by using pre-formed components, streamlining the installation process. The slim extrusions, LED strips, and lenses are field-cuttable and ordered in 1-foot increments (up to 40 feet before re-feeding). Multiple runs of channel mount flawlessly together providing smooth and Glare-free general illumination using Designer-grade Color Rendering LEDs (95+ CRI). With the ability to run in vertical, horizontal, and diagonal directions or wrap both inside and outside corners, the compositions are truly endless. TruLine 1A is available in twelve standard color temperatures: 2200K-5700K, RGB, RGB+W, Warm Dim **(27D or 30D)** and, Dynamic/Tunable White **(2K4K)** as well as four wattage options of 2WDC, 5WDC, 6WDC, and 7WDC. Influenced by Simplicity and Elegance, the Truline 1A Plaster-in system brings together a Modern and Dynamic appearance to Residential and Commercial environments, offering unlimited creativity, and empowering you to design One-of-a-kind, Personalized spaces every time. Let the drywall be your canvas. Coordinate installation with electrical and drywall contractors. PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry. Includes a 5-year pro-rated warranty.

APPLICATIONS

Designed for any Indoor space with drywall, including Damp locations. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

LAMP

- Choose from 12 color temperatures: 22K-57K, RGB, RGB+W, Warm Dim **(27D and 30D)** and Dynamic/Tunable White **(2K4K)**
- Designer Grade High CRI 95+ LEDs
- Average Lamp Life 60,000 hours

WATTS PER FOOT	LUMENS PER WATT	LUMENS PER FOOT	85+CRI 22K, 35K, 40K, 57K	90+CRI 24K, 2K4K	92+CRI 27D, 30D	95+CRI 27K, 30K	RGB	RGB+W
2WDC (2.5WDC)	68	169	•			•		
5WDC	66	291	•	•	•	•	•	
6WDC	N/A	N/A						•
7WDC	69	506	•	•	•	•		

Lumen values are based on the 3000K LED test.

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

- Universal Power Supplies **(UNI)**
- Lutron Hi-Lume®
- Electronic Low Voltage Dimming **(ELV)**†
- 0-10 Volt Dimming **(0-10V)**
- Dynamic Color Changing **(DMX)**

*In-Wall Mounting Kits available for select power supplies
†With N-Lite Dimming Do Not use ELV power supply's, use only 0-10 volt or Uni drivers power supplies

TruLine 1A can be installed on a single surface, join runs on multiple planes from wall to ceiling, or from one wall to an adjacent wall. Use TruLine 1A Build-It-Yourself **(BIY)** with pre-formed components to create desired configurations, including Mitered Picture Frame and Outside or Inside Corners for Room Wrapping installations. Create square or rectangular compositions with TruQuad 1A. For custom designs and quotes, send drawings to design@PureEdgeLighting.com .

PICTURE FRAME INSTALLATION DESIGN NOTE

Picture Frame Miter is the style of installation in which the electrician may create 90° turns on a single surface with L-Picture Frame Channel Connectors **(TL1A-L)** and/or L-Picture Frame Power Channel Connectors **(TL1A-LP)**. The LED Soft Strip is installed on the side of the channel and bends within L-Shaped Channel Connectors to create continuous illumination on a wall or a ceiling.

ROOM WRAPPING DESIGN NOTE

Room Wrapping is the style of installation in which the electrician may create 90° angles with Inside Corner Channel Connectors **(TL1A-IC)** and/or Outside Corner Channel Connectors **(TL1A-OC)**. The LED Soft Strip is installed flat in the back wall of the channel; and bend within inside or outside corners for seamless light across surfaces.

PRE-FORMED COMPONENTS

8' Channel and Lens, End Feed Power Channel Connector, Center Feed Power Channel Connector, L-Picture Frame Power Channel Connector, Junction Box, Outside Corner Channel Connector, Inside Corner Channel Connector, Channel Joiners, Take-Up Box, Channel Solderless Push & Light Straight Joiner Connector, In & Out Modular Ceiling or Suspension Connector.

ORDERING

TruLine 1A BIY can be secured to studs spaced 13"-24" apart or between studs with provided mounting clips. Requires Remote Power Supply (ordered separately) In-Wall Mounting Kits are available for select power supplies. Order in 1' increments, field-cuttable to any length.
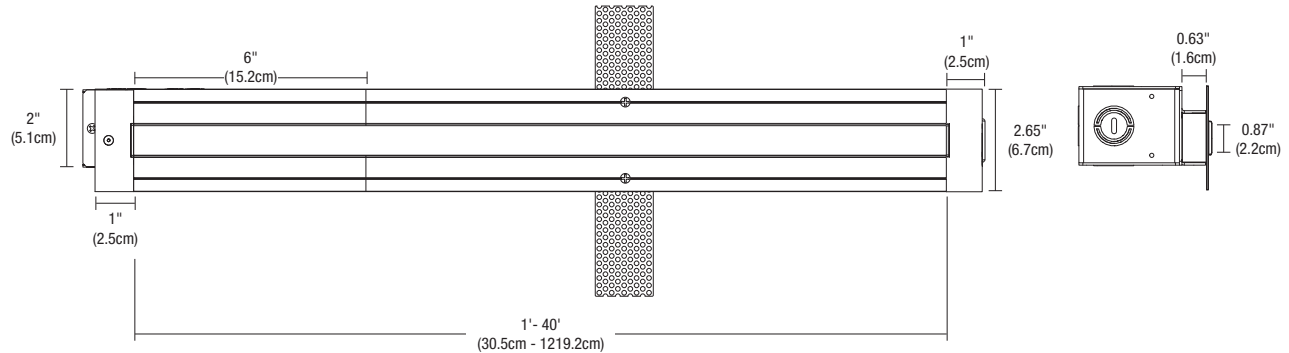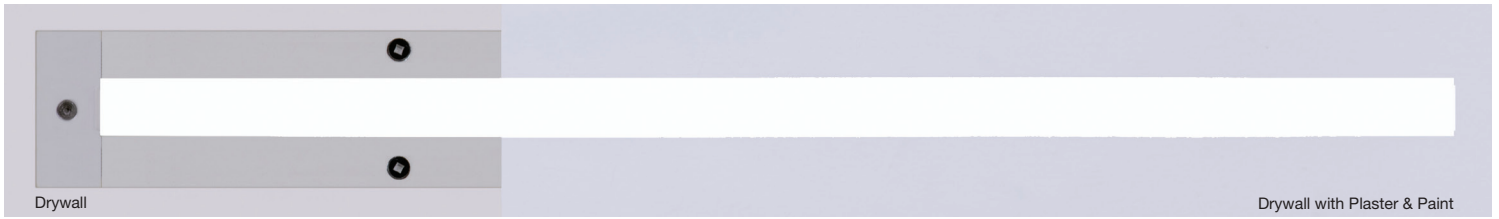Maximum Lengths before re-feeding:
- 2WDC - 40' (Static White Only)
- 5WDC - 20' (Excludes RGB+W)
- 6WDC - 16' (RGB+W Only)
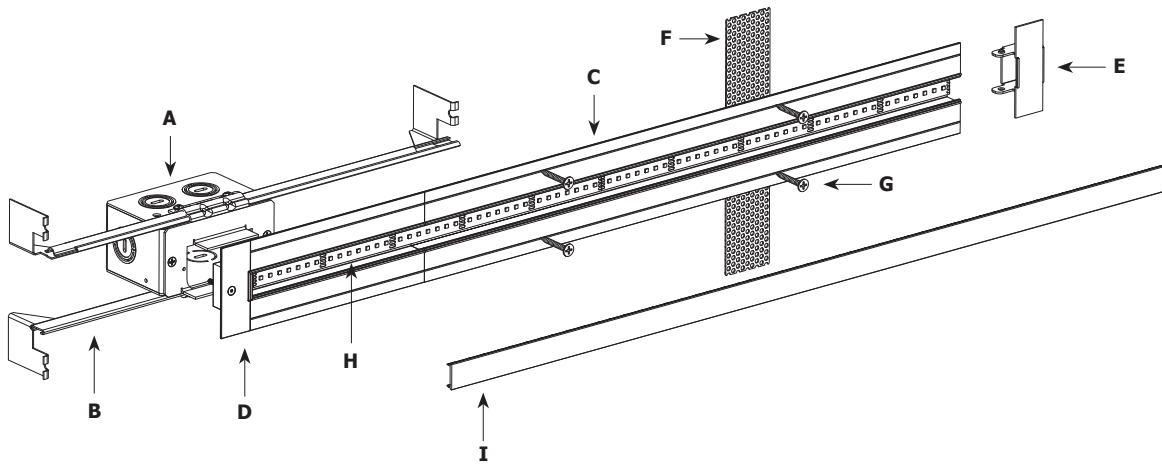- 7WDC - 13' (Static White Only)

COMPLIANCE

Title 24, ETL, Class 2, Damp Location, Made in USA. **1-hour fire rating uses Two pieces of Type X Gypsum board, for 2-Hour fire rating use Three pieces of Type X Gypsum board.**

PROJECT		FIXTURE TYPE		DATE	

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TRULINE 1A 24VDC
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

PURE EDGE LIGHTING

Drywall

Drywall with Plaster & Paint

6"
(15.2cm)

1"
(2.5cm)

0.63"
(1.6cm)

2"
(5.1cm)

2.65"
(6.7cm)

0.87"
(2.2cm)

1"
(2.5cm)

1'- 40'
(30.5cm - 1219.2cm)

INCLUDED COMPONENTS

F

C

E

A

G

B

D

H

I

A. JUNCTION BOX
Mounts behind drywall with Adjustable Mounting Bars. Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is covered by the channel, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS
Provide flexibility for mounting in a variety of spaces and orientations. May be secured to studs that are spaced 13"-24" apart.

C. TRULINE 1A CHANNEL
5/8" deep extrusion house LED Soft Strip.

D. POWER END CAP
Provides a finished look and prevents light leak at feed-end of run where LED Soft Strip enters channel.

E. TAKE-UP BOX
Prevents dark spots at end of run by tucking excess LED Soft Strip safely behind wall.

F. MOUNTING STRAP
Secures channel to drywall when wall stud is unavailable.

G. DRYWALL SCREW
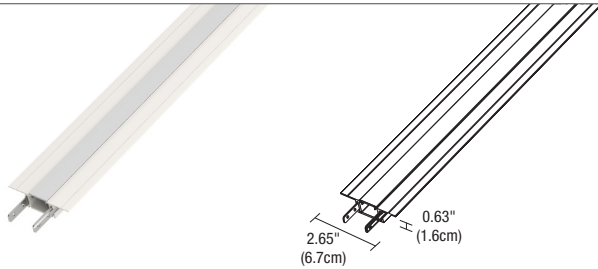Secures channel to drywall and stud.

H. LED SOFT STRIP (ORDERED SEPARATELY)
Commercial-grade white or dynamic color-changing LED Soft Strip.

I. LENS
1" wide diffused white lens projects a clean line of light without LED dots.

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8' CHANNEL & LENS

8' Plaster-In Channel with Lens. LED Soft Strip (not included) may be installed flat or on the side of the channel. Allows for the creation of Truline 1A BIY systems. Field cuttable to any length, includes Channel Joiners.

2.65" (6.7cm)   0.63" (1.6cm)

System	Component	Size
TL1A	**CHLN**	**8FT**
TL1A TruLine 1A	CHLN Channel and Lens	8FT 8'
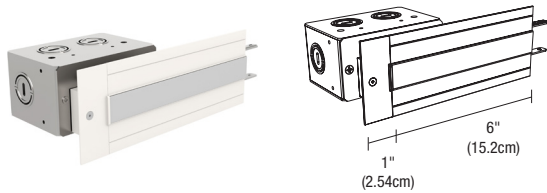
END FEED POWER CHANNEL CONNECTOR

Allows 24VDC power to be fed from either end of the channel. LED Soft Strip (not included) may be installed flat or on the side of the channel. Includes Lens, Channel Joiners, Junction Box, Adjustable Mounting Bars, and Channel Solderless Snap & Light Power Connectors.

6" (15.2cm)   1" (2.54cm)

System	Component	Options
TL1A	**EP**	**WHITE & RGB** (LEAVE BLANK)
TL1A TruLine 1A	EP End Feed Power Channel Connector	RGBW Red, Green, Blue and 2000K White
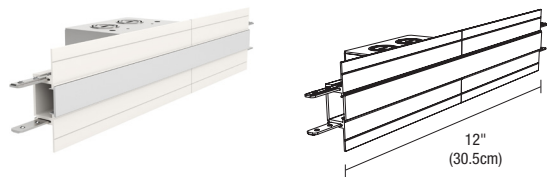
CENTER FEED POWER CHANNEL CONNECTOR

Allows 24VDC power to be fed from the center of the channel. LED Soft Strip (not included) may be installed flat or on the side of the channel. Includes Lens, Channel Joiners, Junction Box, Adjustable Mounting Bars, and Channel Solderless Snap & Light Power Connectors.
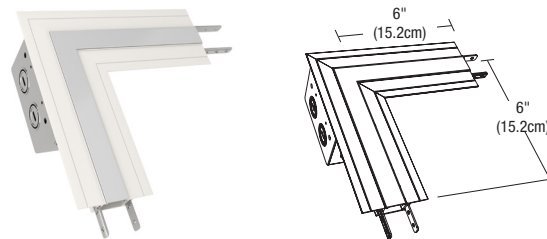
12" (30.5cm)

System	Component	Options
TL1A	**CFP**	**WHITE & RGB** (LEAVE BLANK)
TL1A TruLine 1A	CFP Center Feed Power Channel Connector	RGBW Red, Green, Blue and 2000K White

L-PICTURE FRAME POWER CHANNEL CONNECTOR

Allows 24VDC power to be fed from corners for 90° turns (with power) in Picture Frame Installations. LED Soft Strip (not included) bends on the side within the connector to create continuous illumination on a wall or ceiling. LP2 version powers two separate LED Soft Strip sections. LED Soft Strip is installed on the side of the channel. Includes Lens, Channel Joiners, Junction Box, Adjustable Mounting Bars, and Channel Solderless Snap & Light Power Connectors.
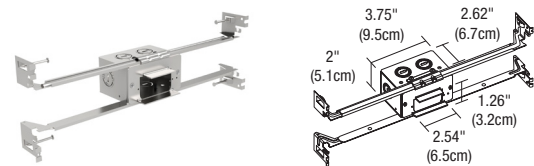
6" (15.2cm)   6" (15.2cm)

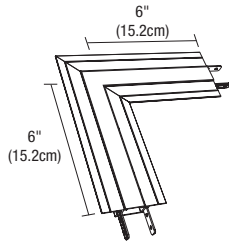| System	Component	Options
TL1A	**LP**	**WHITE & RGB** (LEAVE BLANK)
TL1A TruLine 1A	LP L-Picture Frame Power Channel Connector	RGBW Red, Green, Blue and 2000K White
	LP2 L-Picture Frame Dual Feed Power Channel Connector	

JUNCTION BOX

Included with End Feed Power Channel Connector, Center Feed Power Channel Connector, and L-Picture Frame Power Channel Connector. Mounts behind drywall with Adjustable Mounting Bars. Low voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is covered by the channel and required at the beginning of each run. Quick shipment available to rough-in electrical wiring before drywall installation.

3.75" (9.5cm)   2.62" (6.7cm)
2" (5.1cm)   1.26" (3.2cm)   2.54" (6.5cm)

System	Size	Component
TL1A	**1RE**	**JBOX**
TL1A TruLine 1A	1RE 1" Rectangle	JBOX Junction Box

PROJECT		FIXTURE TYPE		DATE	

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L-PICTURE FRAME CHANNEL CONNECTOR

Allows Picture Frame installation 90° turns. LED Soft Strip (not included) bends on the side within the connector to create continuous illumination on a wall or ceiling. LED Soft Strip is installed on the side of the channel. Includes Lens and Channel Joiners.

6"
(15.2cm)

6"
(15.2cm)

| System	Component
TL1A	L
TL1A TruLine 1A	L L-Picture Frame Channel Connector
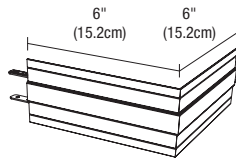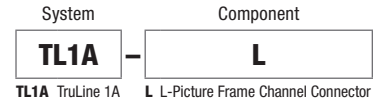
OUTSIDE CORNER CHANNEL CONNECTOR

Allows Room Wrapping installation 90° outside corners. LED Soft Strip (not included) bends flat within the outside corners for seamless light across surfaces. For use from wall to ceiling or from one wall to an adjacent wall. Includes Lens and Channel Joiners.

6"
(15.2cm)

6"
(15.2cm)

| System	Component
TL1A	OC
TL1A TruLine 1A	OC Outside Corner Channel Connector
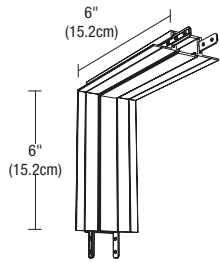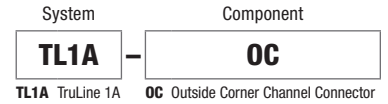
INSIDE CORNER CHANNEL CONNECTOR

Allows Room Wrapping installation 90° inside corners. LED Soft Strip (not included) bends flat within the inside corners for seamless light across surfaces. For use from wall to ceiling or from one wall to an adjacent wall. Includes Lens and Channel Joiners.

6"
(15.2cm)

6"
(15.2cm)

System	Component
TL1A	IC
TL1A TruLine 1A	IC Inside Corner Channel Connector
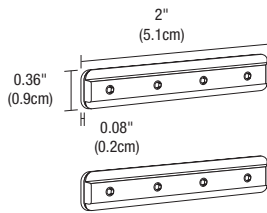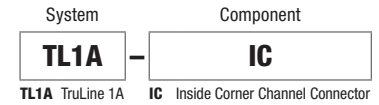
CHANNEL JOINERS

Included with Straight Channel, Channel Connectors, Power Feeds and Take-Up Box. Channel Joiners ship as a pair to connect two channels together. Additional channel joiners may be necessary based on lighting design.
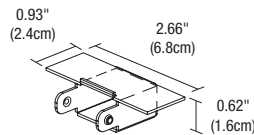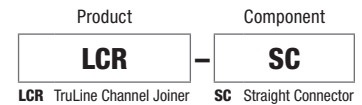
2"
(5.1cm)

0.36"
(0.9cm)

0.08"
(0.2cm)

Product	Component
LCR	SC
LCR TruLine Channel Joiner	SC Straight Connector

TAKE-UP BOX

Prevents dark spots at end of run by tucking excess LED Soft Strip safely behind wall. Includes Channel Joiners.

0.93"
(2.4cm)

2.66"
(6.8cm)

0.62"
(1.6cm)

System	Component
TL1A	TBOX
TL1A TruLine 1A	TBOX Take-Up Box
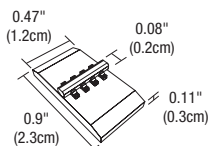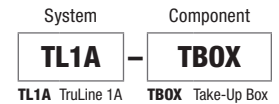
SOFT STRIP SOLDERLESS SNAP & LIGHT STRAIGHT JOINER

Sold separately, and joins two sections of LED Soft Strip in the channel. Used when replacing a section of LED Soft Strip.

0.47"
(1.2cm)

0.08"
(0.2cm)

0.9"
(2.3cm)

0.11"
(0.3cm)

Product	Type
CH	SLC
CH Channel	SLC Snap & Light Straight Joiner, 4 Wire (27K-57K, 27D, 30D, and 2K4K)
	SLC-RGBW Snap & Light Straight Joiner, 5 Wire (RGB+W)

PROJECT		FIXTURE TYPE		DATE	

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TRULINE 1A 24VDC
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

PURE EDGE
L I G H T I N G

0.7"
(1.8cm)

0.7"
(1.8cm)

1.13"
(3.8cm)

0.7"
(1.8cm)

0.75"
(1.9cm)

1.13"
(3.8cm)

0.7"
(1.8cm)

0.75"
(1.9cm)

IN & OUT CONNECTOR TO CIRRUS D1 MODULAR CEILING & SUSPENSION

TruLine 1A In & Out Connector joins the end of PureEdge Lighting's Cirrus D1 Modular Ceiling or Suspension systems to TruLine 1A recessed extrusion.

System	Type	Finish
TL1A-IO-CIR-D1	– **CA** –	**SN**

TL1A-IO-CIR-D1 TruLine 1A to Cirrus D1 Modular Ceiling and Suspension   **CA** End Cap   **SN** Satin Nickel

---

0.7"
(1.8cm)

0.7"
(1.8cm)

1.13"
(3.8cm)

0.7"
(1.8cm)

0.75"
(1.9cm)

1.13"
(2.9cm)

0.7"
(1.8cm)

0.75"
(1.9cm)
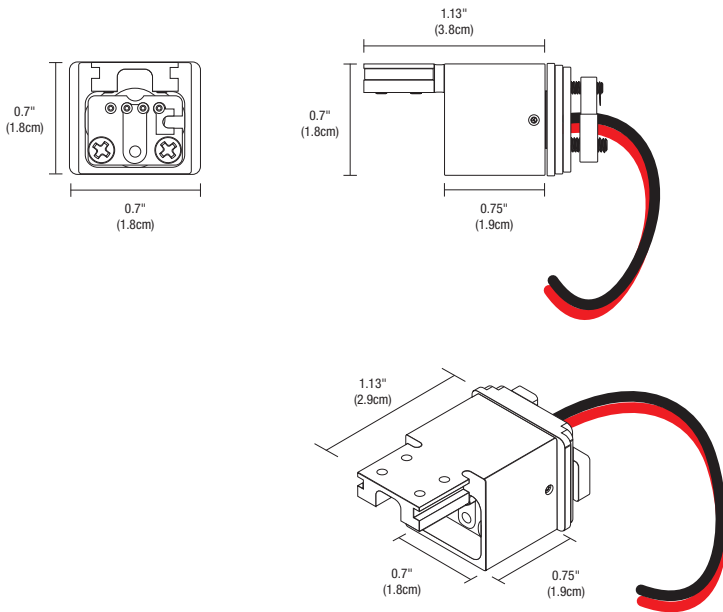
IN & OUT POWER CONNECTOR TO CIRRUS D1 MODULAR CEILING & SUSPENSION

TruLine 1A In & Out Connector joins and provides power from the end of PureEdge Lighting's Cirrus D1 Modular Ceiling or Suspension systems to TruLine 1A recessed extrusion.

System	Type	Finish
TL1A-IO-CIR-D1	– **CAP** –	**SN**

TL1A-IO-CIR-D1 TruLine 1A to Cirrus D1 Modular Ceiling and Suspension   **CAP** End Cap Power   **SN** Satin Nickel

PROJECT		FIXTURE TYPE		DATE	

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TRULINE 1A 24VDC
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

PURE EDGE
LIGHTING
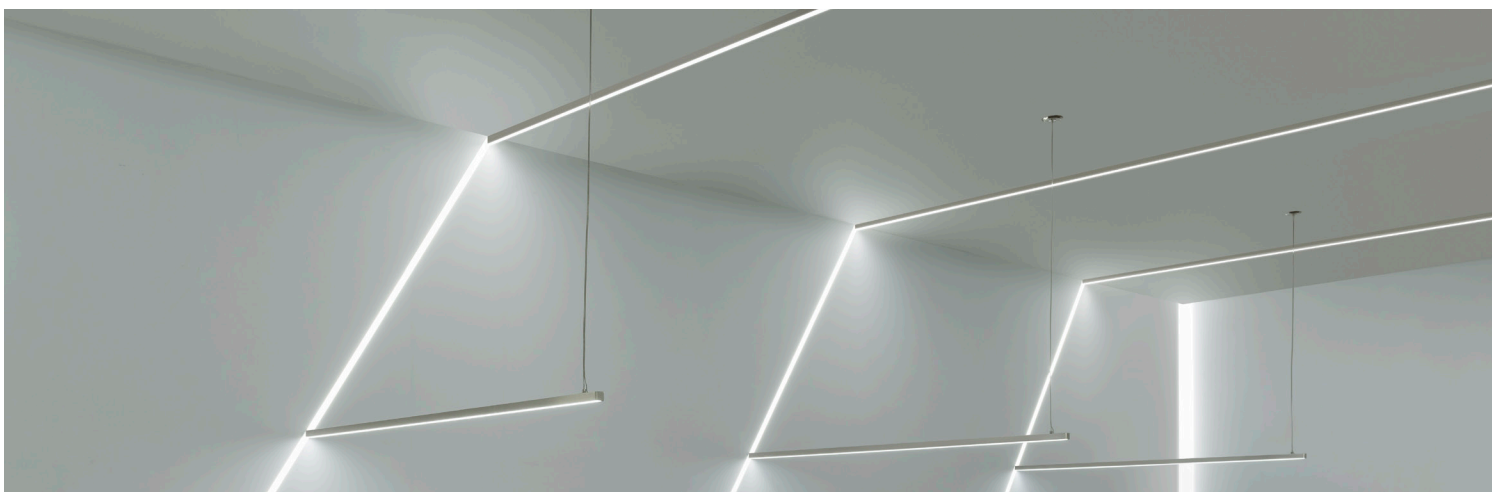
LED SOFT STRIP

PL2C WHITE LED SOFT STRIP

Commercial-grade LED Soft Strip with high CRI LEDs, offering superior color rendering and enhanced color. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing. Dims with ELV or 0-10V dimmers (sold separately).

System	Voltage	Length in Feet	Color Temperature
PL2C	**24V**	**40**	**27K**
PL2C 2.5W LED Soft Strip	24V 24 Volt	1-40 1' increments up to 40'	22K 2200K Amber White 24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White

2.4" (6.1cm)

0.47" (1.2cm)

0.34" (0.9cm)

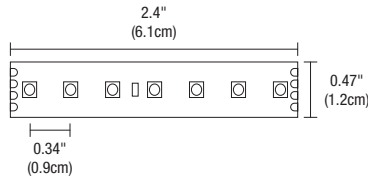| PL2C (IN CHANNEL, WITH LENS)							
WATTS PER FOOT	2.5w (2.5 watts)						
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	127	141	155	169	193	210	224
LUMENS PER WATT (lm/w)	51	56	62	68	77	84	90
CRI	85+	90+	95+	95+	85+	85+	85+
Rf	83.9	85	87.7	88.1	86.1	87.6	80.3
RG	94.9	97.4	96.1	99.7	95.5	96.8	91.5
LEDS PER FOOT	35	35	35	35	35	35	35
MAX RUN LENGTH	40ft	40ft	40ft	40ft	40ft	40ft	40ft

PL5C WHITE LED SOFT STRIP

Commercial-grade LED Soft Strip with high CRI LEDs, offering superior color rendering and enhanced color. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing. Dims with ELV or 0-10V dimmers (sold separately).

System	Voltage	Length in Feet	Color Temperature
PL5C	**24V**	**20**	**27K**
PL5C 4.4W LED Soft Strip	24V 24 Volt	1-20 1' increments up to 20'	22K 2200K Amber White 24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White

2.4" (6.1cm)

0.47" (1.2cm)

0.34" (0.9cm)

PL5C (IN CHANNEL, WITH LENS)							
WATTS PER FOOT	5w (4.6 watts)						
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	219	243	267	291	334	363	386
LUMENS PER WATT (lm/w)	50	55	61	66	76	83	88
CRI	85+	90+	95+	95+	85+	85+	85+
Rf	83.9	85.2	87.7	88.1	86.1	87.6	80.3
RG	94.9	97.4	96.1	99.7	95.5	96.8	91.5
LEDS PER FOOT	35	35	35	35	35	35	35
MAX RUN LENGTH	20ft	20ft	20ft	20ft	20ft	20ft	20ft

* Lumen values are based on the 3000K LED test.

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PURE EDGE
LIGHTING

LED SOFT STRIP

PL5C WARM DIM LED SOFT STRIP

Commercial-grade LED Soft Strip with high CRI LEDs, offering superior color rendering and enhanced color. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing. Dims with ELV dimmers (sold separately) and dim to 2200K.

System	Voltage	Length in Feet	Color Temperature
PL5C	**24V**	**20**	**27D**
PL5C 5W LED Soft Strip	24V 24 Volt	1-20 1' increments up to 20'	27D 2700K Very Warm Dim 30D 3000K Warm White Dim

3"
(7.6cm)

0.47"
(1.2cm)

0.36"
(0.9cm)

0.36"
(0.9cm)

	PL5C (IN CHANNEL, WITH LENS)	
WATTS PER FOOT	5w (4.8 watts)	
COLOR TEMPERATURE	27D*	30D*
LUMENS PER FOOT (lm/ft)	271	296
LUMENS PER WATT (lm/w)	57	62
CRI	92+	92+
Rf	88.9	90.3
RG	103.3	103.2
LEDS PER FOOT	35	35
MAX RUN LENGTH	20ft	20ft

* Lumen values are based on the 3000K LED test.

PL5C TUNABLE WHITE LED SOFT STRIP

Provides variable color temperatures of commercial-grade, two LED Soft Strips with high CRI LEDs. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing. Compatible with UNI driver and DMX controls (sold separately).

Dynamic/Tunable White - Requires two dimmers (one for 2000K and one for 4000K) or use our proprietary Tunable White Controller CDMX-1 (pg 12)

System	Voltage	Length in Feet	Color Temperature
PL5C	**24V**	**20**	**2K4K**
PL5C 5W LED Soft Strip	24V 24 Volt	1-20 1' increments up to 20'	2K4K Tunable White 2000K-4000K

2.4"
(6.1cm)

0.47"
(1.2cm)

0.32"
(0.8cm)

0.32"
(0.8cm)

	PL5C 2K4K (IN CHANNEL, WITH LENS)						
WATTS PER FOOT	5w (9.6 watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	193	235	249	262	284	293	263
LUMENS PER WATT (lm/w)	48	51	54	57	62	64	66
CRI	85+	90+	95+	95+	85+	85+	85+
Rf	83.9	85.2	87.7	88.1	86.1	87.6	80.3
RG	94.9	97.4	96.1	99.7	95.5	96.8	91.5
LEDS PER FOOT	35	35	35	35	35	35	35
MAX RUN LENGTH	20ft	20ft	20ft	20ft	20ft	20ft	20ft

PROJECT		FIXTURE TYPE		DATE	

TRULINE 1A 24VDC
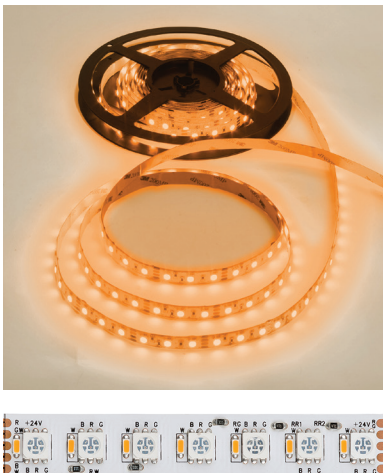## BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

LED SOFT STRIP

PL5 RGB LED SOFT STRIP

Two LED Soft Strips provide dynamic color effects with Red, Green and Blue LEDs. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing. Compatible with DMX controls (sold separately).

System	Voltage	Length in Feet	Color Temperature
PL5	**24V**	**20**	**RGB**
PL5 5W LED Soft Strip	**24V** 24 Volt	**1-20** 1' increments up to 20'	**RGB** Red, Green and Blue

2.4"
(6.1cm)

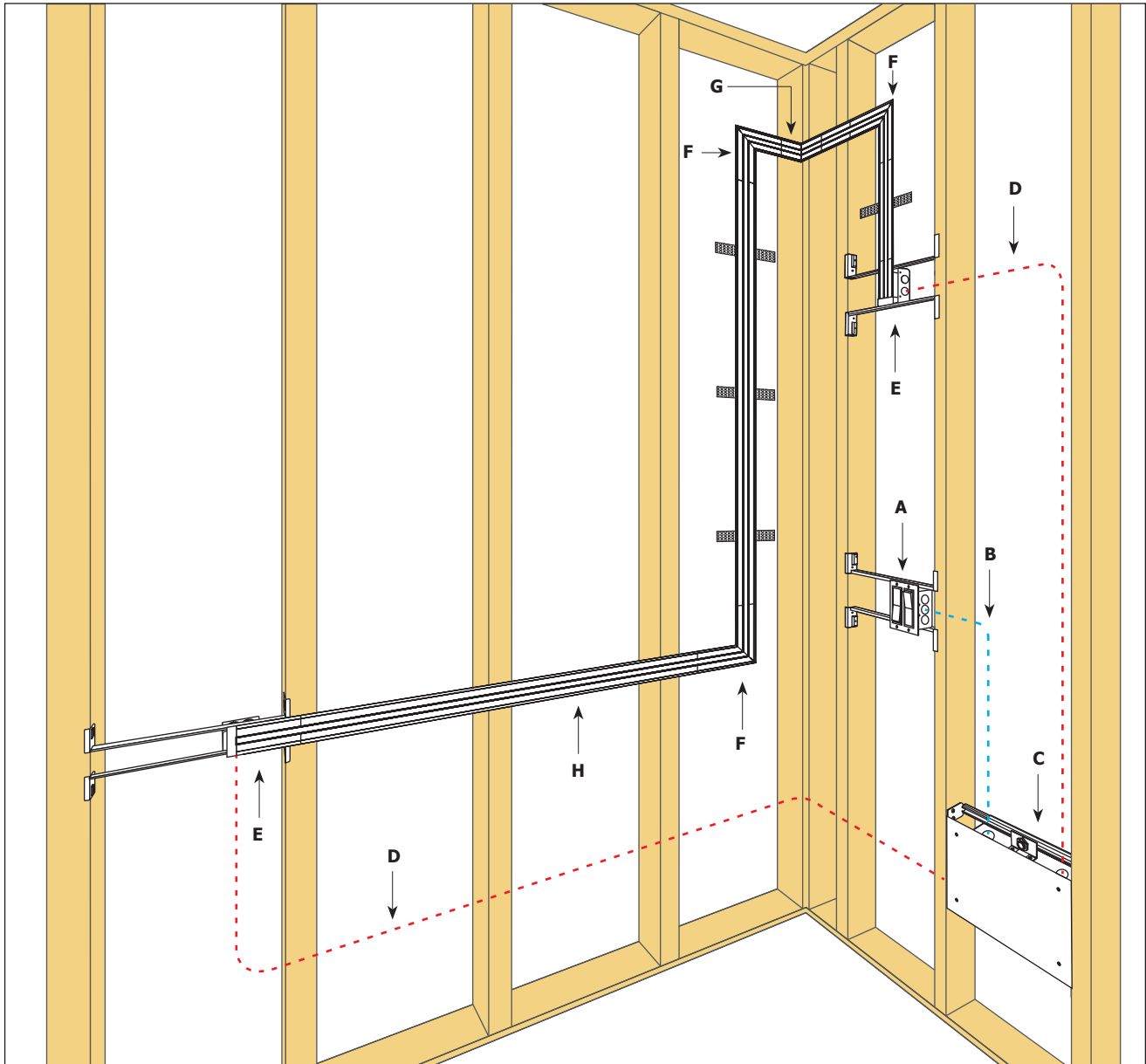0.47"
(1.2cm)

0.4"
(1cm)

PL6 RGBW LED SOFT STRIP

Two LED Soft Strips provide dynamic color effects with Red, Green, Blue and White LEDs. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing. Compatible with DMX controls (sold separately).

System	Voltage	Length in Feet	Color Temperature
PL6	**24V**	**16**	**RGB+W**
PL6 6.3W LED Soft Strip	**24V** 24 Volt	**1-16** 1' increments up to 16'	**RGB+W** Red, Green, Blue and 2000K White

3"
(7.6cm)

0.47"
(1.2cm)

0.43"
(1.1cm)

PROJECT		FIXTURE TYPE		DATE	

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For custom design and layout assistance, send drawings to design@PureEdgeLighting.com

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TRULINE 1A 24VDC
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

PICTURE FRAME INSTALLATION

A. DIMMER OR SWITCH

B. 120VAC WIRING

C. 120V/24VDC REMOTE POWER SUPPLY WITH IN-WALL MOUNTING KIT, FOR MORE REMOTE POWER SUPPLIES

D. 24VDC, CLASS 2 WIRING

E. END FEED POWER CHANNEL CONNECTOR WITH JUNCTION BOX

F. L-PICTURE FRAME CHANNEL CONNECTOR

G. INSIDE CORNER CHANNEL CONNECTOR

H. TruLine CHANNEL, LENS, & LED SOFT STRIP
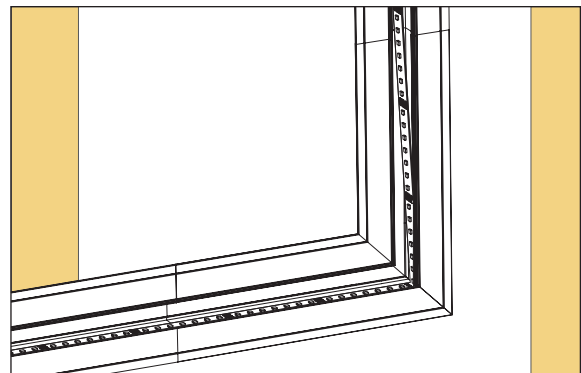
LED on side of the Channel for Picture Frame (L-Connector)

PROJECT		FIXTURE TYPE		DATE	

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TRULINE 1A 24VDC
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

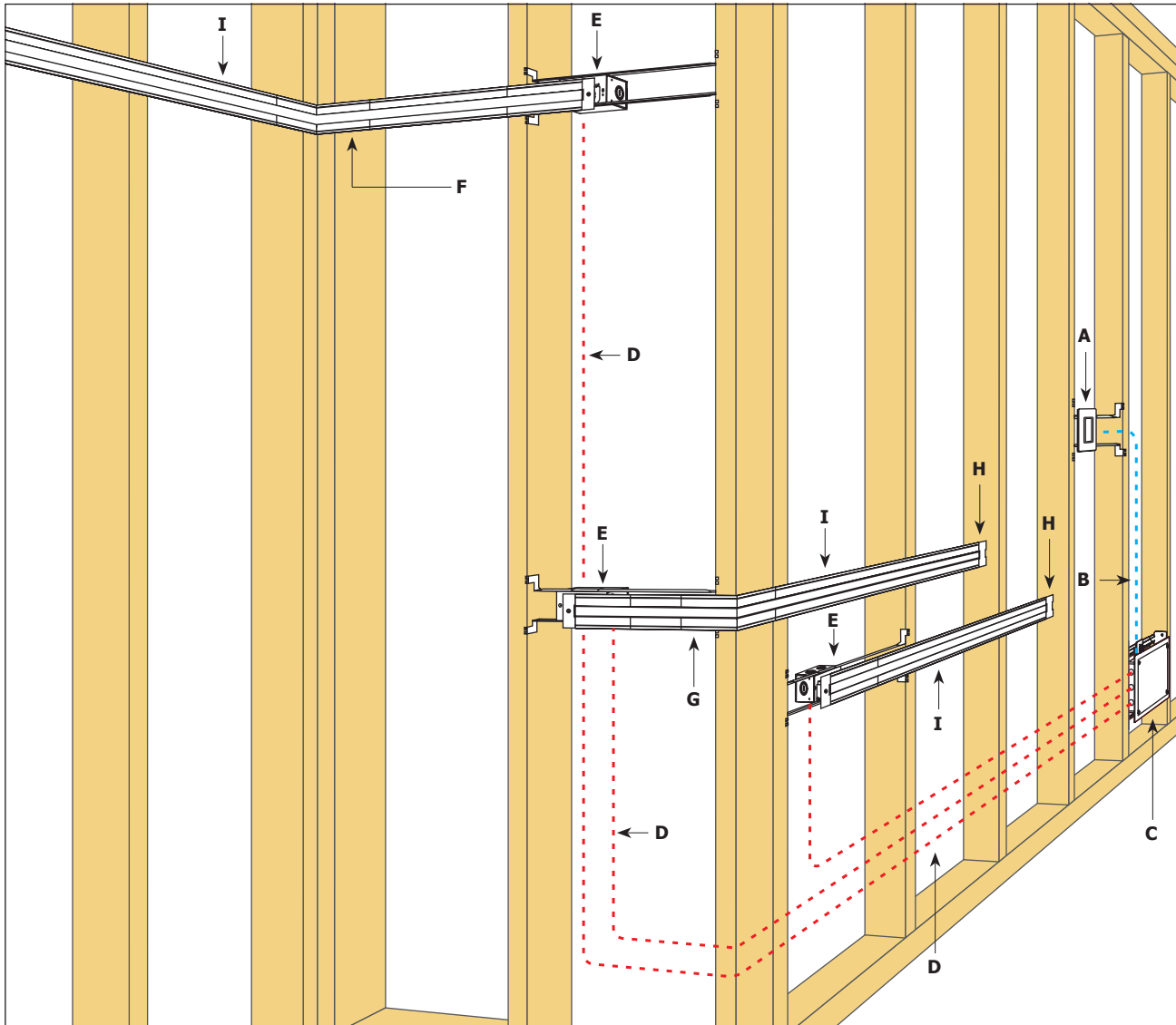**PURE EDGE LIGHTING**

ROOM WRAPPING INSTALLATION

A. DIMMER OR SWITCH

B. 120VAC WIRING

C. 120V/24VDC REMOTE POWER SUPPLY WITH IN-WALL MOUNTING KIT, FOR MORE REMOTE POWER SUPPLIES

D. 24VDC, CLASS 2 WIRING

E. END FEED POWER CHANNEL CONNECTOR WITH JUNCTION BOX

F. INSIDE CORNER CHANNEL CONNECTOR

G. OUTSIDE CORNER CHANNEL CONNECTOR

H. TAKE-UP BOX

I. TruLine CHANNEL, LENS, & LED SOFT STRIP
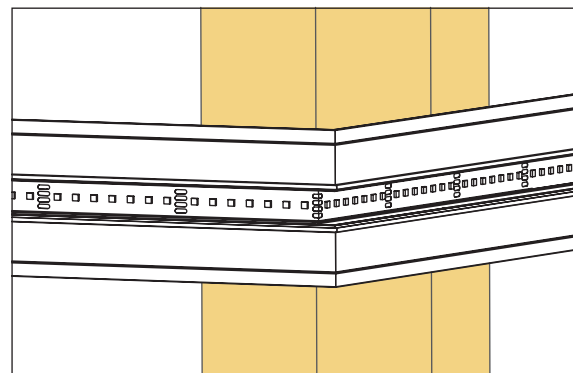
LED mounted to the back of the Channel for outside corner connection

PROJECT		FIXTURE TYPE		DATE	

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TRULINE 1A 24VDC
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

PURE EDGE LIGHTING

REV 06.29.20

96W, 24VDC LOW VOLTAGE WIRE SIZE CHART: 3% VOLTAGE DROP

WIRE LENGTH (FT)	UP TO 33FT	34FT–52FT	53FT–86FT	87FT–130FT
WIRE SIZE	14 AWG	12 AWG	10 AWG	8 AWG
VOLTAGE AT END OF WIRE	23.28VDC	23.29VDC	23.28VDC	23.28VDC

2 WATTS PER FOOT - 22K, 24K, 27K, 30K, 35K, 40K & 57K WHITE LEDS

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	3	11	27	21	51	31	75
2	5	12	29	22	54	32	78
3	8	13	32	23	56	33	80
4	10	14	34	24	58	34	82
5	13	15	37	25	61	35	85
6	15	16	39	26	63	36	87
7	17	17	41	27	66	37	90
8	20	18	44	28	68	38	92
9	22	19	46	29	70	39	94
10	24	20	48	30	72	40	96

5 WATTS PER FOOT - 22K, 24K, 27K, 27D, 30K, 30D, 35K, 40K, 57K, 2K4K & RGB LEDS

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	5	6	30	11	54	16	78
2	10	7	34	12	58	17	82
3	16	8	40	13	64	18	88
4	20	9	44	14	68	19	92
5	24	10	48	15	72	20	96

6 WATTS PER FOOT - RGB+W LEDS

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	6	5	30	9	54	13	78
2	12	6	36	10	60	14	84
3	18	7	42	11	66	15	90
4	24	8	48	12	72	16	96

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

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

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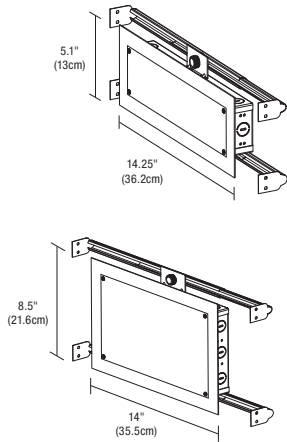
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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

PURE EDGE
LIGHTING

REV 06.29.20

IN WALL MOUNTING OPTIONS

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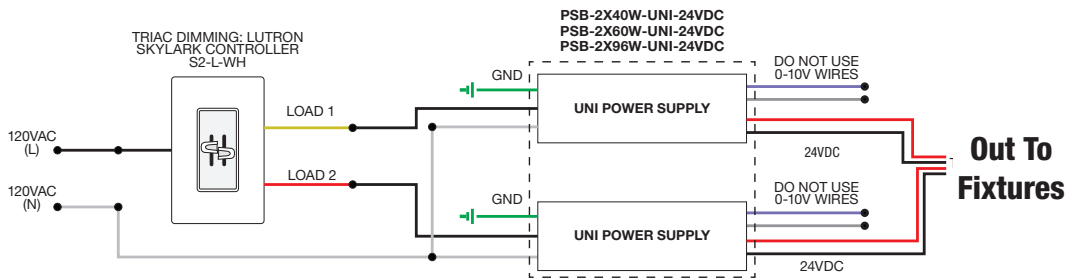
Ordering Codes 5.1 x 14.25 inch: PSB-40W-UNI-24VDC-IW
PSB-60W-UNI-24VDC-IW
PSB-96W-UNI-24VDC-IW

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

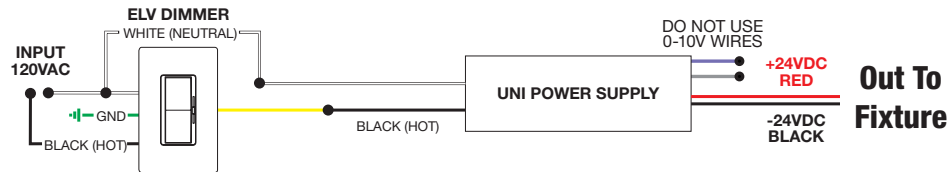## WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

Application: Triac dimming for two power supplies, use for Static White, Dynamic/Tunable White 2000K-4000K

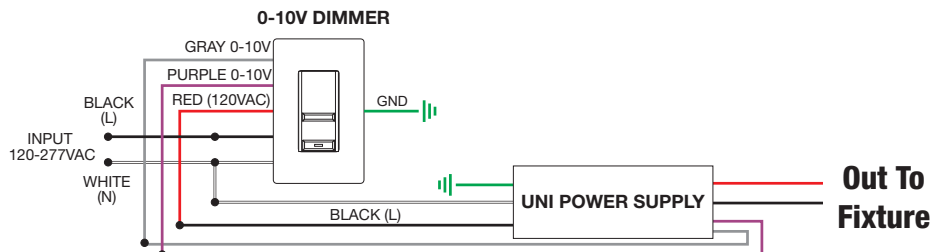**Dimming:**   Dimmable with Triac dimmer: Lutron: Skylark S2-L

TRIAC DIMMING: LUTRON
SKYLARK CONTROLLER
S2-L-WH

PSB-2X40W-UNI-24VDC
PSB-2X60W-UNI-24VDC
PSB-2X96W-UNI-24VDC

GND

LOAD 1

120VAC
(L)

LOAD 2

120VAC
(N)

GND

UNI POWER SUPPLY

UNI POWER SUPPLY

DO NOT USE
0-10V WIRES

DO NOT USE
0-10V WIRES

24VDC

24VDC

Out To Fixtures

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

ELV DIMMER

WHITE (NEUTRAL)

INPUT
120VAC

GND

BLACK (HOT)

BLACK (HOT)

UNI POWER SUPPLY

DO NOT USE
0-10V WIRES

+24VDC
RED

-24VDC
BLACK

Out To Fixture

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

0-10V DIMMER

GRAY 0-10V

PURPLE 0-10V

BLACK
(L)

RED (120VAC)

GND

INPUT
120-277VAC

WHITE
(N)

BLACK (L)

UNI POWER SUPPLY

Out To Fixture

PROJECT		FIXTURE TYPE		DATE	

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UNI INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC UNIVERSAL DIMMING WITH ELV, 0-10V, TRIAC | DYNAMIC TUNABLE WHITE TECHNOLOGY

PURE EDGE LIGHTING

REV. 06.29.20

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS†			
ORDERING CODE	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC

SPECIFICATIONS				
MAXIMUM LOAD	2X40W	2X60W	2X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-2X40W-UNI-24VDC-IW	PSB-2X60W-UNI-24VDC-IW	PSB-2X96W-UNI-24VDC-IW	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 GRAFIK 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 DVLV-600P-WH	•	•	•	•
LUTRON DVLV-603P-WH	•	•	•	•
LUTRON MALV-600-WH	•	•	•	•
LUTRON MALV-1000-WH	•	•	•	•
LUTRON 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.
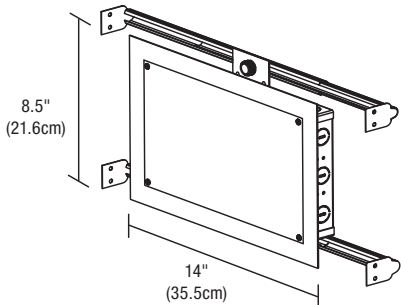
MAXIMUM LENGTH

POWER SUPPLY	5 WATTS	10 WATTS
PSB-2X40W-UNI-24VDC	8 FEET	4 FEET
PSB-2X60W-UNI-24VDC	12 FEET	6 FEET
PSB-2X96-UNI-24VDC	20 FEET	10 FEET
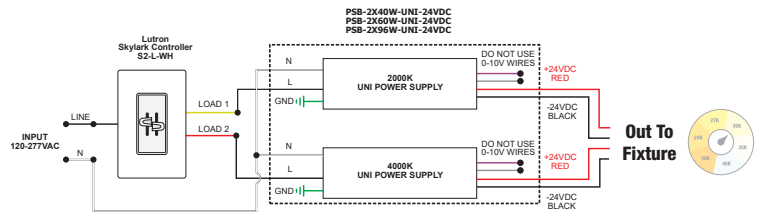
Configuration 1
S2-L-WH (TRIAC) Single Pole Dimming with
Dual Universal Power Supplies

IN WALL MOUNTING OPTIONS

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

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

Controller power adapter (Included)

Fits in a single gang 2.5" deep junction box

CDMX1-2XK

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

4.72" (12cm)

3.87" (9.8cm)

4.72" (12cm)

2.95" (7.5cm)

side view jbox

DMX CABLE (BELDEN #9841)

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

N
120V

2000K & 4000K Power Supply

-24VDC
+24VDC

GND

DRIVER

To Fixture

DMX data to next power/data supply

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

controller power adapter

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

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

	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)	•	•	•	•

- 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
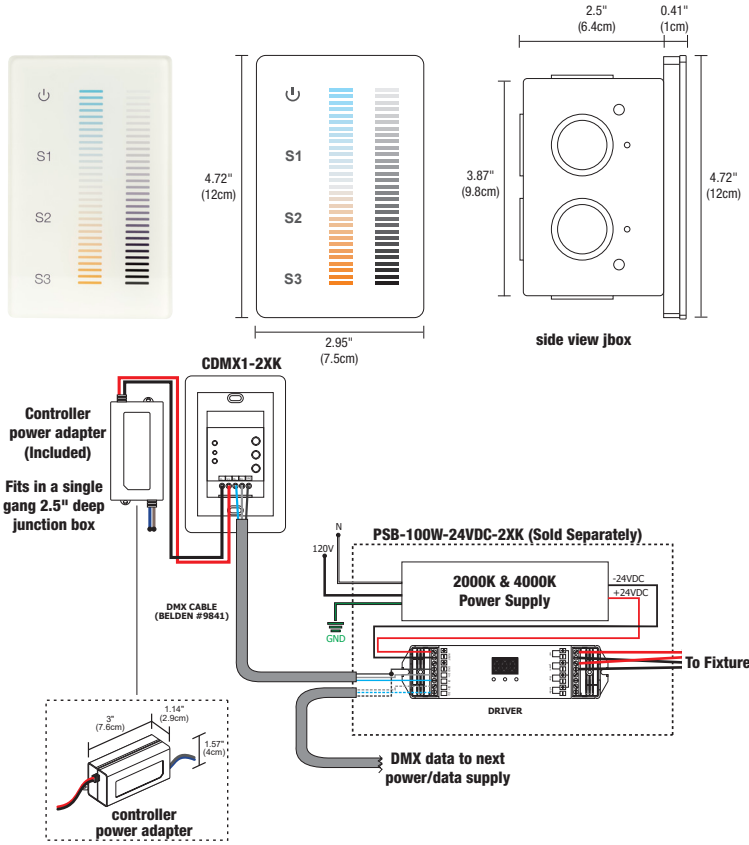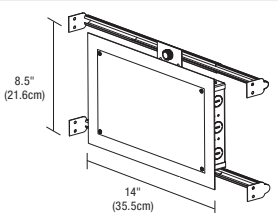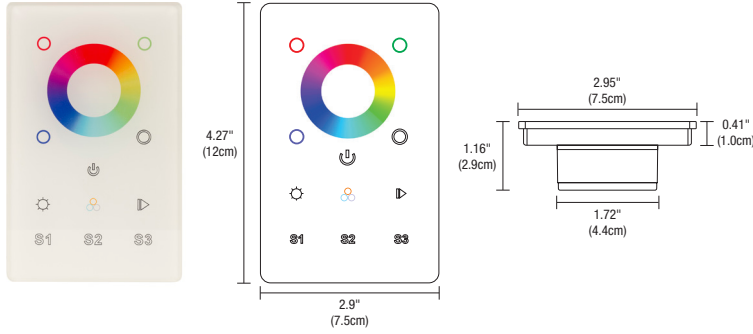
8.5" (21.6cm)

14" (35.5cm)

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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15

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

PURE EDGE
L I G H T I N G

REV. 06.29.20

2.95" (7.5cm)
0.41" (1.0cm)
1.16" (2.9cm)
1.72" (4.4cm)

4.27" (12cm)

2.9" (7.5cm)

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

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

Power Input:
120-277VAC

Output Signal:
USITT DMX 512 (1990)
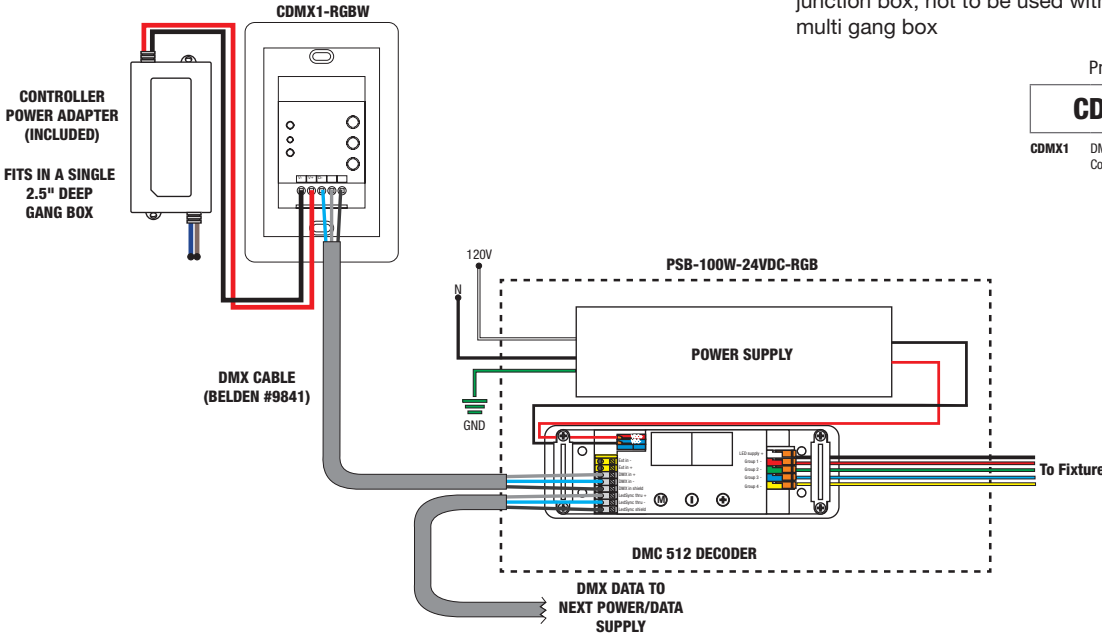
Product	Type	Finish
CDMX1	**RGBW**	**WH**

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.
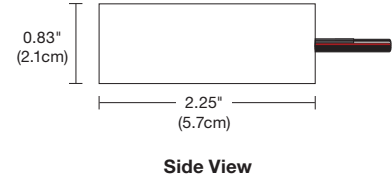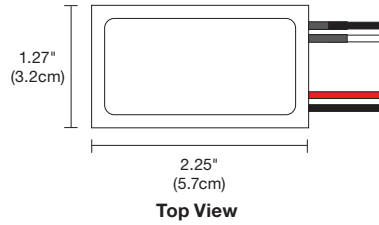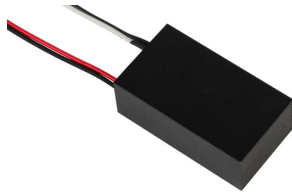
8.5" (21.6cm)
14" (35.5cm)
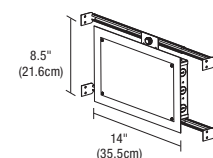
8.5" X 14" IN-WALL MOUNTING KIT
Includes Power Supply, Box Cover, and Stud Hangers for installing Junction Box in wall. Select "IW" in the options section of compatible Power Supply ordering codes if an In-Wall Mounting Kit is needed.

ORDERING CODES: PSB-100W-24VDC-RGB-IW

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, PS-60L-ELV

PURE EDGE LIGHTING

REV 06.29.20

1.27" (3.2cm)
2.25" (5.7cm)
Top View

0.83" (2.1cm)
2.25" (5.7cm)
Side View

DESCRIPTION

Compact, lightweight remote electronic 60W/24V LED Power Supply* converts standard 120VAC voltage to 24VDC and features built-in short-circuit protection. The low voltage output may be dimmed using an electronic low voltage dimmer. The Power Supply is certified to be used inside a standard Junction Box enclosure. Power Supply features short circuit and overload protection. Indoor applications only.
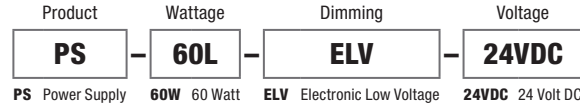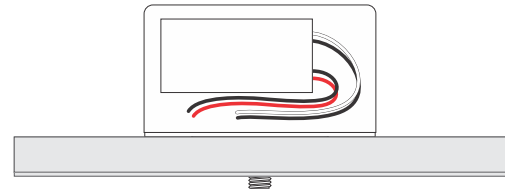
Electrical Panels using Seimens/Murray AFCI breakers are not compatible with this ELV transformer. Use 0-10 Volt power supplies with this breaker.

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.

POWER INPUT 120 volts AC, 60Hz

POWER OUTPUT Class 2; 24 volts DC 2.5A 60 watt maximum

DIMENSIONS 2.25" x 1.25" x 0.83"

DIMMER TYPE Electronic Low Voltage Dimmer Lutron: Diva #DVELV-300P; Skylark #SELV-300P; Maestro #MAELV-600

Product		Wattage		Dimming		Voltage
PS	–	**60L**	–	**ELV**	–	**24VDC**

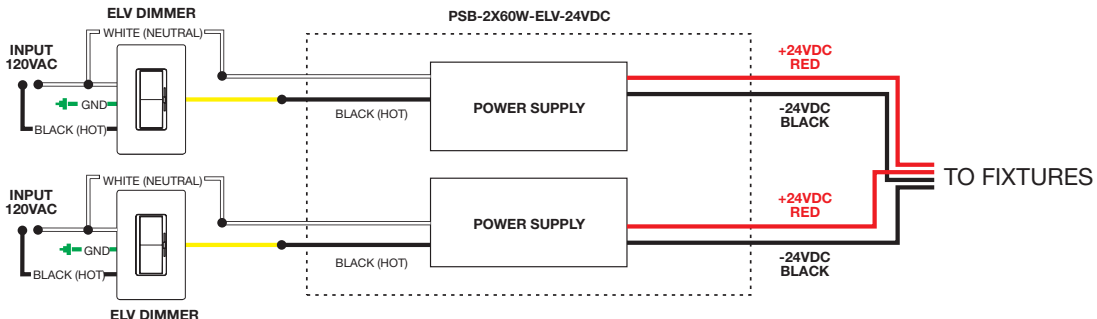|			
PS Power Supply	**60W** 60 Watt	**ELV** Electronic Low Voltage	**24VDC** 24 Volt DC

SAMPLE WIRING DIAGRAMS 24VDC ELV

Application: ELV dimming for Static White

Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2
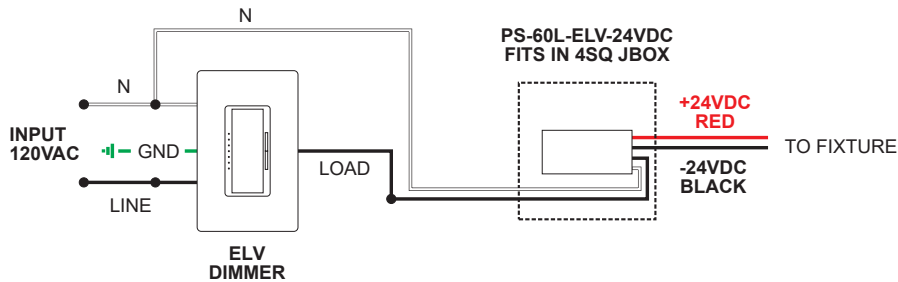
Application: Dual ELV dimming for Dynamic/Tunable White 2000K-4000K

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

| PROJECT		FIXTURE TYPE		DATE	

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17

CEILING TM30 DATA
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

PURE EDGE LIGHTING

TM-30-15 DATA: The data below is for SS2C and 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.
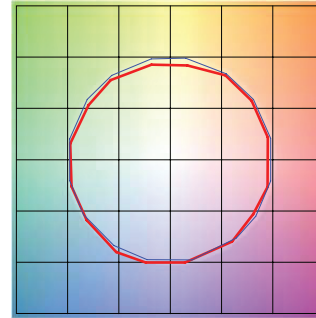
2200K | Rf: 83.9 | Rg: 94.9
Color Vector Graphic
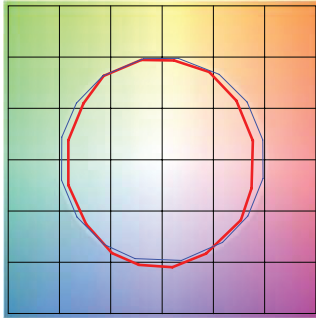
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	78.8	-9.5%	1.3%
2	80.7	-7.8%	6.7%
3	78.2	-3.3%	9.4%
4	89.7	-2.8%	3.6%
5	93.2	-0.8%	2.6%
6	93.0	-0.6%	-0.7%
7	87.7	-5.9%	-3.5%
8	89.2	-6.8%	1.9%
9	83.4	-5.6%	6.0%
10	79.3	-3.7%	10.8%
11	81.4	2.9%	11.1%
12	84.9	5.3%	4.9%
13	88.1	4.9%	-10.1%
14	68.1	0.1%	-19.5%
15	86.0	-3.3%	-7.3%
16	76.4	-8.9%	-11.7%

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

Test   Reference

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

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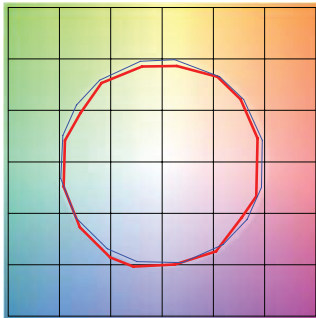
Test   Reference

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

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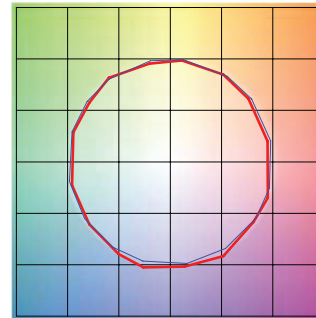
Test   Reference

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

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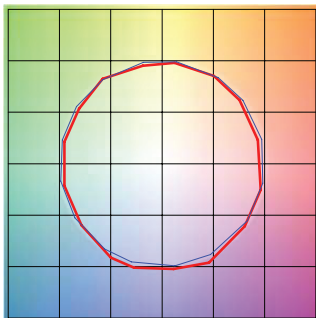
Test   Reference

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

4000K | Rf: 87.6 | Rg: 96.8
Color Vector Graphic
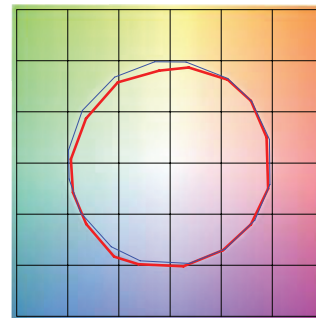
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

PROJECT		FIXTURE TYPE		DATE	

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18

CEILING TM30 DATA
BUILD-IT-YOURSELF PLASTER-IN LED SYSTEM

REV 06.29.20

PURE EDGE
LIGHTING

TM-30-15 DATA: The data below is for SS2C and 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.
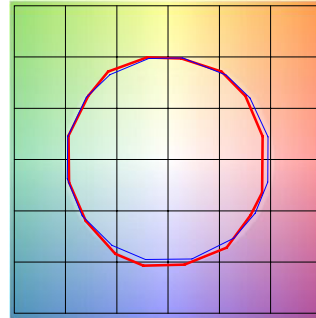
5700K | Rf: 80.3 | Rg: 91.5
Color Vector Graphic
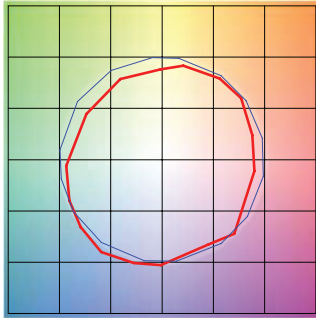
■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	75.4	-8.9%	4.7%
2	87.5	-2.6%	4.6%
3	90.7	-3.0%	-0.5%
4	83.2	-6.0%	-5.7%
5	76.2	-12.9%	-5.3%
6	81.4	-11.9%	-2.6%
7	74.8	-14.0%	5.1%
8	69.0	-9.0%	14.1%
9	72.6	-3.6%	22.2%
10	71.4	2.7%	16.1%
11	81.3	7.9%	5.3%
12	83.6	4.1%	-9.4%
13	78.4	0.7%	-15.3%
14	77.7	-6.2%	-11.0%
15	68.8	-1.3%	-21.2%
16	80.8	-9.6%	3.3%

2700D | Rf: 89.5 | Rg: 100.8
Color Vector Graphic

■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.8	-5.1%	1.4%
2	89.8	-2.7%	4.1%
3	87.2	0.3%	5.9%
4	92.3	-0.9%	1.0%
5	93.3	1.5%	1.7%
6	92.4	3.6%	-0.2%
7	92.2	-0.9%	-2.4%
8	96.7	-0.4%	-1.1%
9	92.3	-1.2%	3.7%
10	88.9	-0.0%	6.1%
11	86.4	5.1%	7.4%
12	88.2	6.3%	-0.9%
13	87.2	3.8%	-8.1%
14	84.2	3.8%	-11.0%
15	89.8	-2.6%	-4.3%
16	82.7	-3.4%	-11.1%

3000D | Rf: 89.8 | Rg: 101.4
Color Vector Graphic
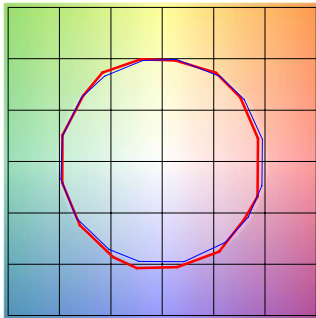
■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.2	-4.2%	1.5%
2	90.9	-2.0%	3.7%
3	87.9	0.8%	5.5%
4	92.1	-0.9%	0.6%
5	93.0	1.5%	1.6%
6	92.2	3.9%	-0.2%
7	92.1	-0.3%	-2.0%
8	96.7	0.0%	-1.2%
9	92.5	-0.6%	3.7%
10	88.3	1.1%	7.0%
11	87.2	4.1%	7.4%
12	87.2	6.7%	-1.0%
13	88.2	3.8%	-7.2%
14	85.3	4.3%	-9.9%
15	90.9	-2.2%	-3.6%
16	83.4	-2.2%	-11.2%

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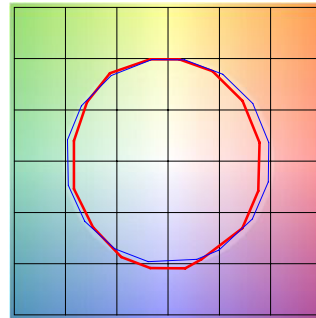
■ Test ■ Reference

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
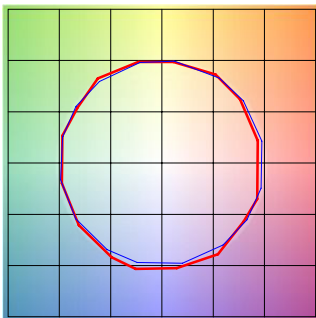
■ Test ■ Reference

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%

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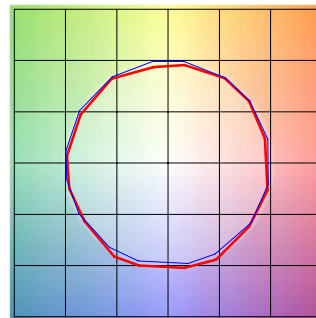
■ Test ■ Reference

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%

PROJECT		FIXTURE TYPE		DATE	

www.PureEdgeLighting.com | Phone: 773.770.1195 | 1718 W. Fullerton Ave. Chicago, IL 60614
For custom design and layout assistance, send drawings to design@PureEdgeLighting.com

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