VERGE CORNER 24VDC
PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE
LIGHTING

DESCRIPTION

Verge Corner is an innovative design that comes from the family of Plaster-in 24VDC systems pioneered by PureEdge mounts directly to wall studs or ceiling joist, without any modification, and is recessed, then plastered into 5/8" or thicker drywall. Continuing to redefine the relationship between Lighting and Interior Design, the Verge system creates visually interesting and dramatic illumination by highlighting the inside Corners of two drywall surfaces such as ceiling, coves and skylights. Field-cuttable, Verge Corner is ordered in 1' increments up to 20', the slim plaster-in aluminum channel has a 4" paintable backer plate. Our Designer-grade High **CRI** Color Rendering LEDs are offered in several standard Color Temperatures: Static white 2200K-5700K, Warm Dim **(27D or 30D)** and, Dynamic/Tunable White **(2K6K and 27K6)** as well as four wattage options of 5WDC, 10WDC and 14WDC. Remote Power supplies are required and sold separately. 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. For custom quotes and layout assistance, send drawings to design@PureEdgeLighting.com. Designed by Gregory Kay.

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

- Electronic Low Voltage Dimming **(ELV)**†
- Uni Driver: Universal dimming **(ELV, 0-10V, TRIAC)**
- 0-10 Volt **(0-10)** Dimming
- Dynamic Color Changing **(DMX)**
- Lutron Hi-Lume®

*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

ORDERING

Verge Corner is installed behind drywall with Adjustable Mounting Bars Requires Remote Power Supply (ordered separately) In-Wall Mounting Kits are available for select power supplies. Order in 1' increments (12") field-cuttable to any length.

MAXIMUM LENGTHS BEFORE RE-FEEDING:

- 5WDC - 20' (2 x 2.5 watts)
- 10WDC - 10' (2 x 5 watts)
- 14WDC - 6' (2 x 7.5 watts)

DESIGN NOTE

Verge Corner can be installed on multiple surfaces that form inside Corners, as well as in Coves, Windows and Skylights. Ambient and harmonious, the plaster-in LED system blends into 5/8" thick drywall to enhance the contemporary aesthetic of interior spaces. Verge offers unsurpassed precision and flexibility that transforms spaces into thoughtful and refined works of art.

LAMP

- 7 Static White Color Temperatures 22K-57K
- Warm Dim: 27D and 30D dim down to 1900K, resembling incandescent light sources
- Dynamic/Tunable White: 2K6K and 27K6 allow for independent control of color temperatures and dimming
- Average life: 50,000 hours

INCLUDED COMPONENTS

(2) Junction Boxes, Adjustable Mounting Bars, (2) Backer Plates, (2) Verge Corner Channels, Drywall Screws, (2) LED Soft Strips, and (2) Lenses

APPLICATIONS

Indoor damp or dry locations only. Ideal for inside corners of drywall surfaces such as Walls and Ceilings, Coves, Windows and Skylights in Residential, Commercial, Retail and Hospitality environments.

COMPLIANCE

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.**

Use our Configurator to see List Price, Complete Ordering Code and Overall Length. Verge Corner

PureEdge is the Original Designer of 5/8" Drywall Products, Backed by Over 30 Years of Precision Manufacturing and Design.

System	Watts Per Foot	Length in Feet	Color Temperature		
VGCO	**5WDC**	**1-20FT**	**27K**		
VGCO Verge Corner	**5WDC** 2x2.5 Watts (20 ft Max)	**1-20FT**	**22K** 2200K Amber White	**30K** 3000K Warm White	**57K** 5700K Daylight White
	10WDC 2x5 Watts (10 ft Max)		**24K** 2400K Very Warm White	**30D** 3000K Warm Dim (10W Only)	**2K5K** Tunable White 2000K-6500K
	14WDC 2x7.5 Watts (6 ft Max)		**27K** 2700K Incandescent White	**35K** 3500K Neutral White	**27K6** Tunable White 2700K-6500K
			27D 2700K Warm Dim (10W Only)	**40K** 4000K Cool White	

PROJECT		FIXTURE TYPE		DATE	

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VERGE CORNER 24VDC
PLASTER-IN LED SYSTEM

PURE EDGE LIGHTING

REV 10.06.21

LUMEN DATA Lumen Data for Verge Corner 24VDC Clear Lens

	CLEAR FROSTED LENS																					
WATTS PER FOOT	5W (2x2.5 watts)							10W (2x5 watts)									14W (2x7.5 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	213	213	215	224	258	271	287	393	393	398	414	414	422	476	501	530	608	608	614	640	735	774	819
LUMENS PER WATT (lm/w)	43	43	43	45	52	54	57	45	45	45	43	47	44	54	57	60	42	42	42	44	50	53	56
CRI	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	94+	92+	94+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+

*27D, 30D - Warm Dim (4.8 Watts)

	CLEAR FROSTED LENS																										
WATTS PER FOOT	2K6K 5W (2x2.5 watts)									27K6 5W (2x2.5 watts)						2K6K 10W (2x5 watts)								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	103	105	106	108	109	112	122	132	141	123	146	150	154	168	181	173	250	260	270	280	291	311	333	337	340
LUMENS PER WATT (lm/w)	30	52	53	54	54	56	90	66	78	34	37	38	39	42	45	48	54	54	56	58	61	65	69	70	74
CRI	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	94+	94+	94+	91+

	CLEAR FROSTED LENS																						
WATTS PER FOOT	27K6 10W (2x5 watts)							2K6K 14W (2x7.5 watts)								27K6 14W (2x7.5 watts)						
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	308	315	326	338	334	332	331	348	364	380	397	413	446	469	474	479	415	425	441	457	452	448	446
LUMENS PER WATT (lm/w)	38	34	35	37	36	36	41	54	51	53	55	57	62	65	66	75	32	30	31	32	31	31	35
CRI	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+	92+	92+	92+	95+	93+	93+	93+

LUMEN DATA Lumen Data for Verge Corner 24VDC DIffused Lens

	DIFFUSED LENS																					
WATTS PER FOOT	5W (2x2.5 watts)							10W (2x5 watts)									14W (2x7.5 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	205	205	207	215	248	261	276	378	378	382	398	398	405	458	482	510	584	584	590	615	707	744	787
LUMENS PER WATT (lm/w)	41	41	41	43	50	52	55	43	43	43	41	45	42	52	55	58	40	40	40	42	48	51	54
CRI	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	94+	92+	94+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+

*27D, 30D - Warm Dim (4.8 Watts)

	DIFFUSED LENS																										
WATTS PER FOOT	2K6K 5W (2x2.5 watts)									27K6 5W (2x2.5 watts)						2K6K 10W (2x5 watts)								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	103	105	106	108	109	112	122	132	141	118	141	144	148	162	174	166	250	260	270	280	291	311	333	337	340
LUMENS PER WATT (lm/w)	30	52	53	54	54	56	90	66	78	33	35	36	37	41	44	46	54	54	56	58	61	65	69	70	74
CRI	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	94+	94+	94+	91+

	DIFFUSED LENS																						
WATTS PER FOOT	27K6 10W (2x5 watts)							2K6K 14W (2x7.5 watts)								27K6 14W (2x7.5 watts)						
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	296	303	314	325	322	319	318	348	364	380	397	413	446	469	474	479	399	408	424	439	434	431	429
LUMENS PER WATT (lm/w)	37	33	34	35	35	35	40	54	51	53	55	57	62	65	66	75	31	28	29	30	30	30	34
CRI	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	94+	94+	94+	91+	92+	92+	92+	95+	93+	93+	93+

Drywall

Drywall with Plaster & Paint

4" (10.2cm)
0.63" (1.6cm)
0.75" (1.9cm)
0.88" (2.2cm)
1.75" (4.4cm)
4" (10.2cm)
4" (10.2cm)
0.88" (2.2cm)
1.75" (4.4cm)
0.63" (1.6cm)
0.75" (1.9cm)

0.88" (2.2cm)
1.75" (4.4cm)
4" (10.2cm)

1' - 20' (12"-240") (30.4cm - 609cm)

PROJECT		FIXTURE TYPE		DATE	

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VERGE CORNER 24VDC
PLASTER-IN LED SYSTEM

WARM DIM

PURE EDGE LIGHTING

INCLUDED COMPONENTS

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 Backer Plate, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces. Verge Corner includes two sets of mounting hardware.

C. BACKER PLATE

4" paintable aluminum plates conceal junction box and reflect light.

D. VERGE CHANNEL

Two 5/8" deep extrusions each house a single row of LED Soft Strip.

E. DRYWALL SCREWS

Secure channels to drywall and studs.

F. LED SOFT STRIP

Commercial-grade White or Dynamic Color Changing LED Soft Strip. See lamp data on for additional details. Standard Color Temperatures 22K-57K, Warm Dim **(27D or 30D)** and Dynamic/Tunable White **(2K4K)**.

G. LENS

0.6" wide Diffused White lens projects a clean line of light without LED dots. Verge Corner includes two lenses.

3.75" (9.5cm) 2.56" (6.5cm)
2" (5.1cm)
3.4" (8.6cm)
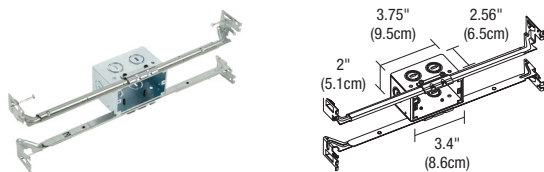
JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with Verge Wall and two Junction Boxes are included with Verge Corner. Order additional Junction Box(es) separately to rough-in electrical wiring before drywall installation. Quick shipment available.

System	Size	Component
VG	**1RE**	**JBOX**

VG Verge   **1RE** 1" Rectangle   **JBOX** Junction Box
*For RGB+W use VG-1RD-JBOX-RGBW

PROJECT		FIXTURE TYPE		DATE	

VERGE CORNER 24VDC
PLASTER-IN LED SYSTEM

PURE EDGE LIGHTING

INSTALLATION
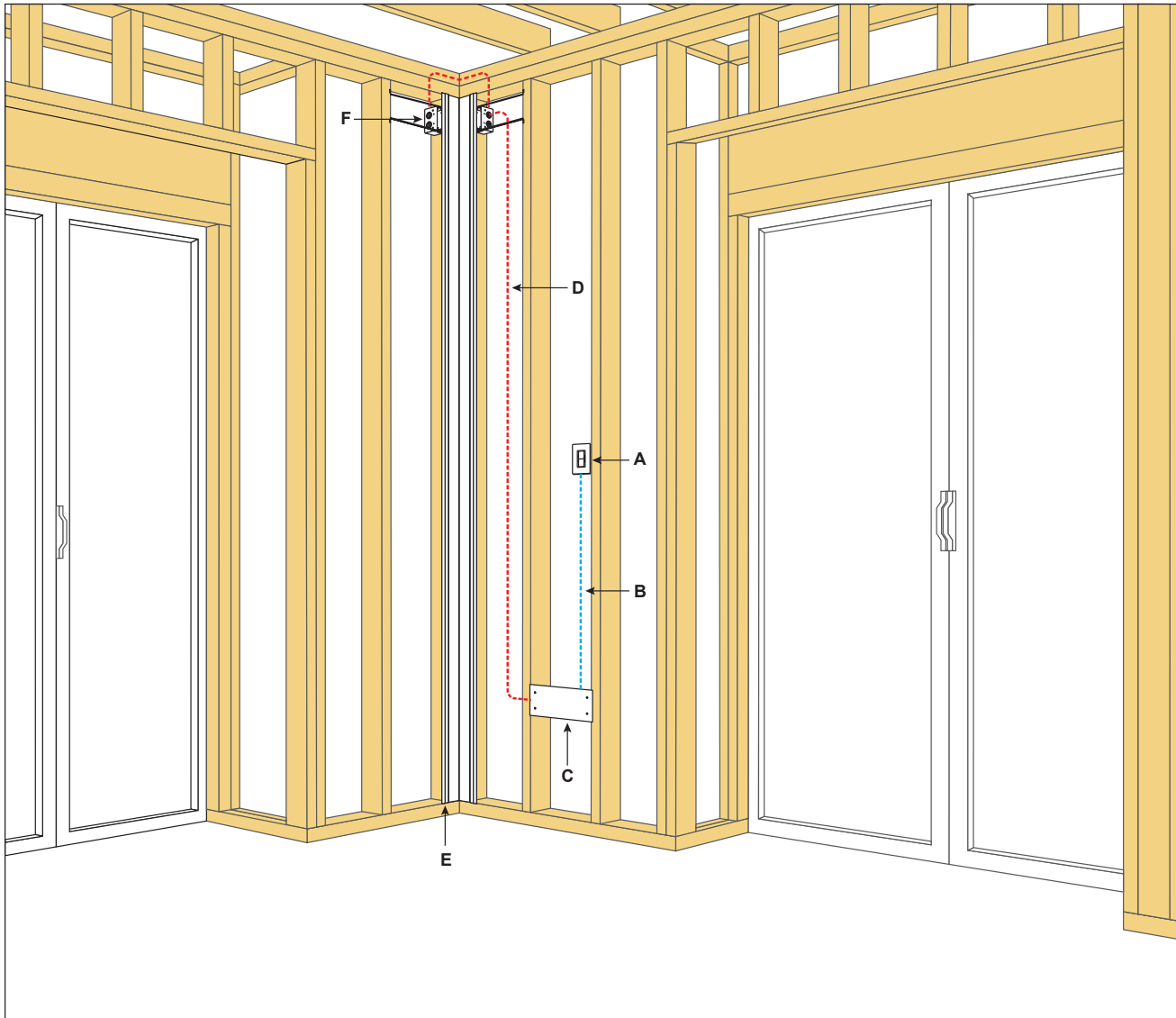
A. DIMMER OR SWITCH

B. 120VAC WIRING

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

D. 24VDC, CLASS 2 WIRING

E. VERGE CORNER CHANNEL

F. JUNCTION BOX

PROJECT		FIXTURE TYPE		DATE	

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VERGE CORNER 24VDC
PLASTER-IN LED SYSTEM

PURE EDGE LIGHTING

2 X 2.5 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	2 x 3	11	2 x 27	21	2 x 51	31	2 x 75
2	2 x 5	12	2 x 29	22	2 x 54	32	2 x 78
3	2 x 8	13	2 x 32	23	2 x 56	33	2 x 80
4	2 x 10	14	2 x 34	24	2 x 58	34	2 x 82
5	2 x 13	15	2 x 37	25	2 x 61	35	2 x 85
6	2 x 15	16	2 x 39	26	2 x 63	36	2 x 87
7	2 x 17	17	2 x 41	27	2 x 66	37	2 x 90
8	2 x 20	18	2 x 44	28	2 x 68	38	2 x 92
9	2 x 22	19	2 x 46	29	2 x 70	39	2 x 94
10	2 x 25	20	2 x 48	30	2 x 73	40	2 x 96

2 X 5 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	2 x 5	6	2 x 29	11	2 x 53	16	2 x 77
2	2 x 10	7	2 x 34	12	2 x 58	17	2 x 82
3	2 x 14	8	2 x 38	13	2 x 63	18	2 x 87
4	2 x 19	9	2 x 43	14	2 x 67	19	2 x 91
5	2 x 24	10	2 x 48	15	2 x 72	20	2 x 96

2 X 7.5 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	2 x 7.5	3	2 x 22.5	5	2 x 37.5
2	2 x 15	4	2 x 30	6	2 x 45

PROJECT		FIXTURE TYPE		DATE	

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

PURE EDGE LIGHTING

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS			
ORDERING CODE	PSB-25W-010-24VDC	PSB-60W-010-24VDC	PSB-96W-010-24VDC
SPECIFICATIONS			
MAXIMUM LOAD	25W	60W	96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
T-BAR MOUNTING	PSB-25W-010-24VDC-TB	PSB-60W-010-24VDC-TB	PSB-96W-010-24VDC-TB
IN-WALL MOUNTING	PSB-25W-010-24VDC-IW	PSB-60W-010-24VDC-IW	PSB-96W-010-24VDC-IW

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS			
ORDERING CODE	PSB-2X96W-010-24VDC	PSB-3X96W-010-24VDC	PSB-4X96W-010-24VDC
SPECIFICATION			
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
T-BAR MOUNTING	PSB-2X96W-010-24VDC-TB	PSB-3X96W-010-24VDC-TB	PSB-4X96W-010-24VDC-TB
IN-WALL MOUNTING	PSB-2X96W-010-24VDC-IW	N/A	N/A

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

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

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

*Title 24 compliant when used with JA8 listed PureEdge systems.
**Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.
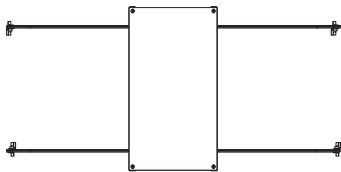
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.
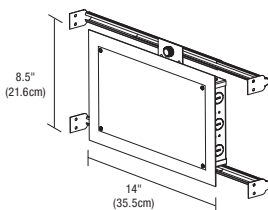
Ordering Codes:
PSB-25W-010-24VDC-TB,
PSB-60W-010-24VDC-TB,
PSB-96W-010-24VDC-TB,
PSB-2X96W-010-24VDC-TB
PSB-3X96W-010-24VDC-TB
PSB-4X96W-010-24VDC-TB

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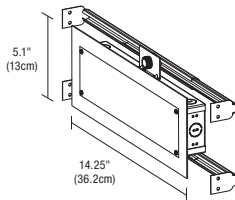
5.1" x 14.25" In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

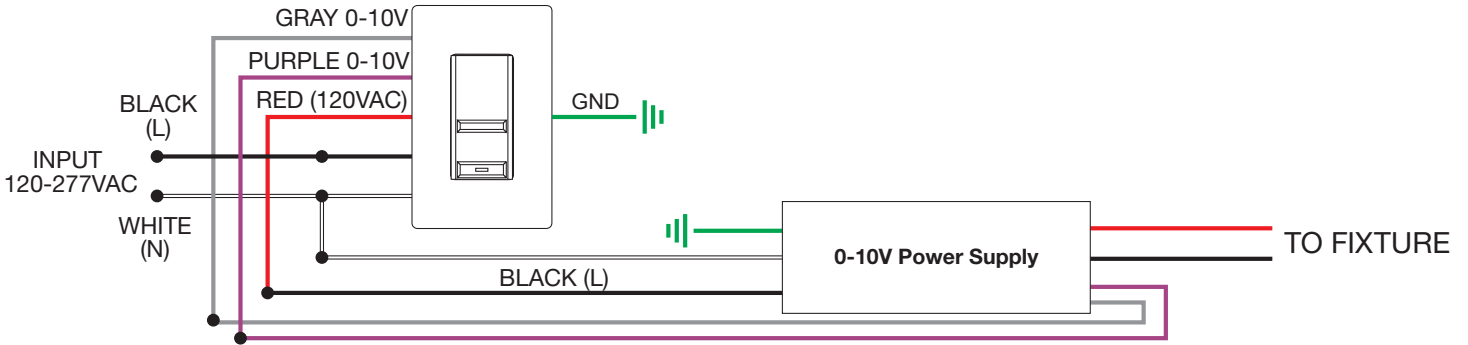**Ordering Codes:** PSB-25W-010-24VDC-IW, PSB-60W-010-24VDC-IW, PSB-96W-010-24VDC-IW

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

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

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

PROJECT		FIXTURE TYPE		DATE	

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SAMPLE WIRING DIAGRAMS 24VDC 010

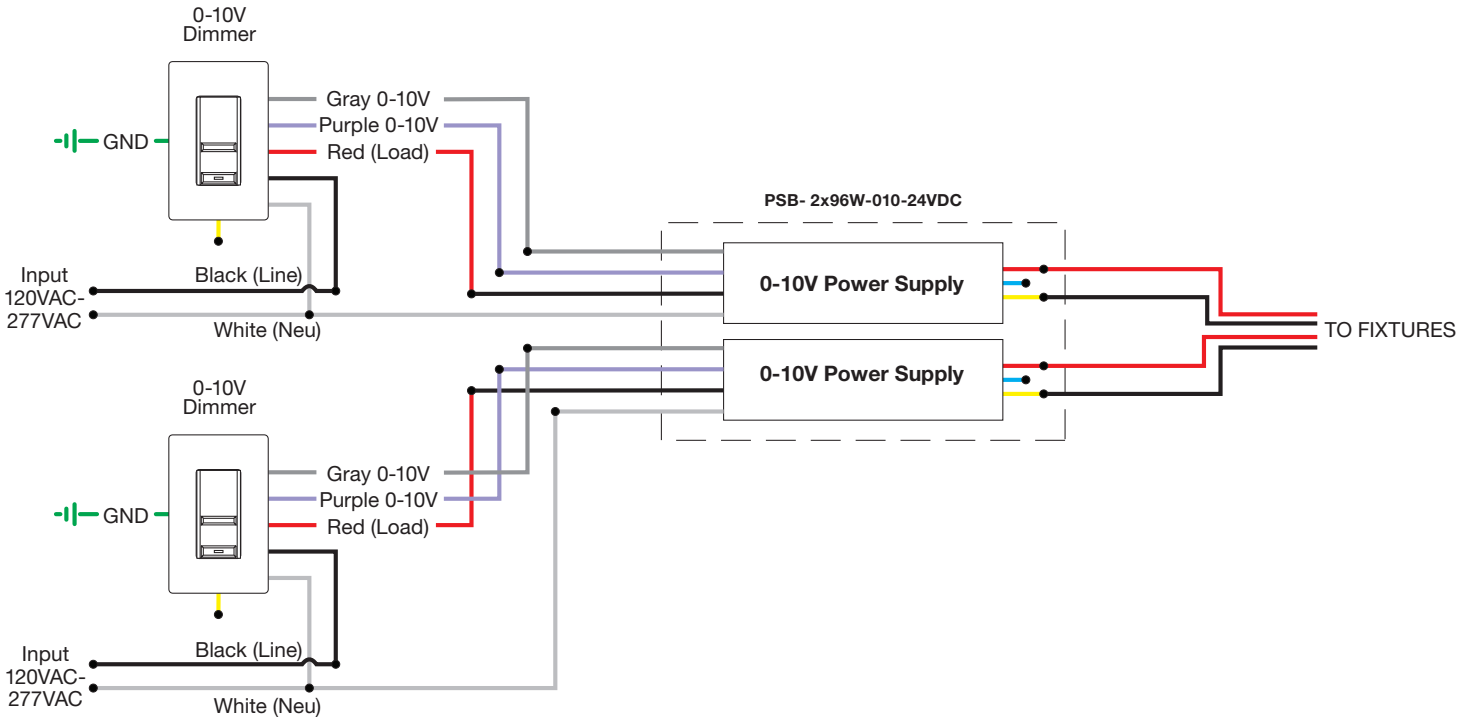**Application:**   0-10V Dimming Applications For Static White and Warm Dim

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

0-10V DIMMER

GRAY 0-10V
PURPLE 0-10V
BLACK (L)
RED (120VAC)
GND
INPUT 120-277VAC
WHITE (N)
BLACK (L)
0-10V Power Supply
TO FIXTURE

Application: Dual 0-10V dimming for Static White

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

0-10V Dimmer
GND
Gray 0-10V
Purple 0-10V
Red (Load)
Input 120VAC-277VAC
Black (Line)
White (Neu)

PSB- 2x96W-010-24VDC
0-10V Power Supply
0-10V Power Supply
TO FIXTURES

0-10V Dimmer
GND
Gray 0-10V
Purple 0-10V
Red (Load)
Input 120VAC-277VAC
Black (Line)
White (Neu)

PROJECT		FIXTURE TYPE		DATE	

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

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

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

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

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

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

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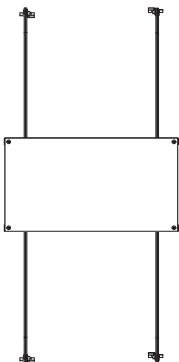
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

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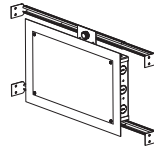
In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

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

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, ELECTRONIC LOW VOLTAGE FOR STATIC WHITE, WARM DIM
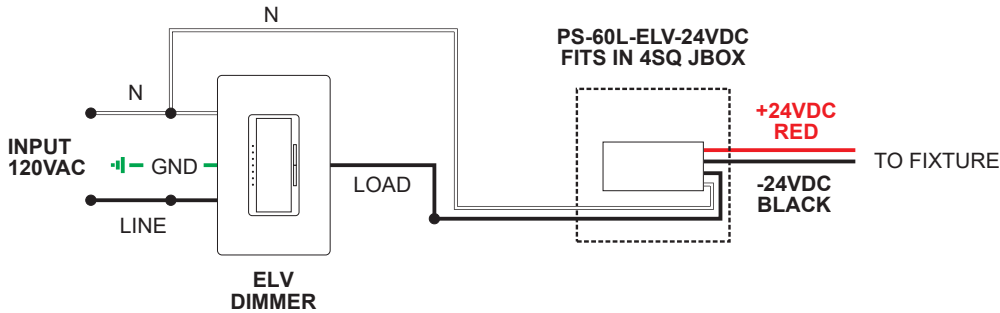
SAMPLE WIRING DIAGRAMS 24VDC ELV

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
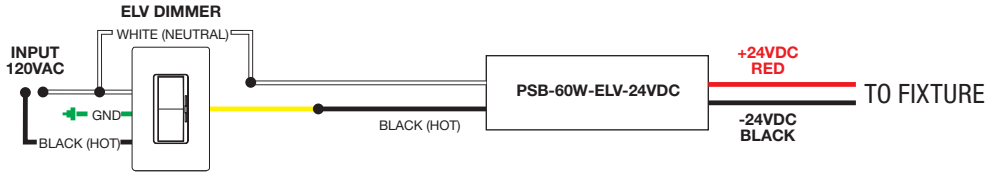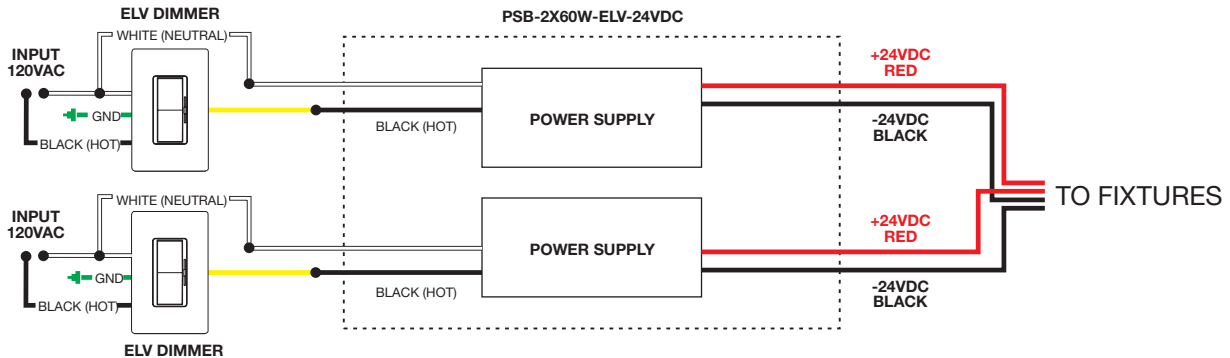

Application: ELV dimming for Static White

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 Static White

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

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
T-BAR MOUNTING	PSB-40W-UNI-24VDC-TB	PSB-60W-UNI-24VDC-TB	PSB-2X40W-UNI-24VDC-TB	PSB-2X60W-UNI-24VDC-TB
IN-WALL MOUNTING	PSB-40W-UNI-24VDC-IW	PSB-60W-UNI-24VDC-IW	PSB-2X40W-UNI-24VDC-IW	PSB-2X60W-UNI-24VDC-IW

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS

ORDERING CODE	PSB-96W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-3X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC

SPECIFICATIONS

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

ELV DIMMING & CONTROLS

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

0-10 DIMMING & CONTROLS

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

TRIAC DIMMING & CONTROLS

LUTRON SKYLARK: S2-L-WH	•	•	•	•
LUTRON DIVA DVLV-600P-WH	•	•	•	•
LUTRON DIVA DVLV-603P-WH	•	•	•	•
LUTRON MAESTRO MALV-600-WH	•	•	•	•
LUTRON MAESTRO MALV-1000-WH	•	•	•	•
LUTRON MAESTRO MA-R-XX	•	•	•	•

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

*Title 24 with JA8 listed PureEdge products and systems

*Tunable White requires Dual power Supplies and Controls. For single control use with our proprietary Tunable White Controller CDMX-1, refer to Universal Tunable White Power Supply Specifications. Up + Down Light fixtures and Systems can be controlled individually or together depending on the power supply selection.

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

T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

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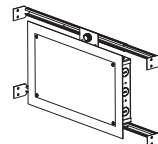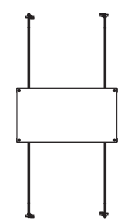
In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

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

PROJECT		FIXTURE TYPE		DATE	

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

PURE EDGE
LIGHTING

WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

Application: ELV dimming for Static White and Warm Dim

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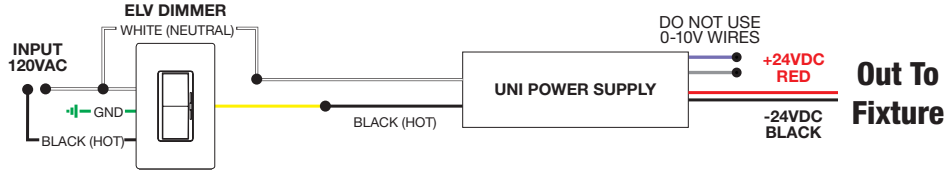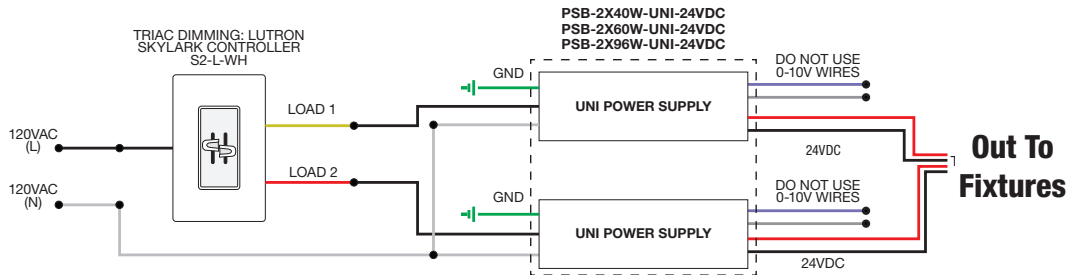

Application: 0-10V dimming for Static White

Dimming: Dimmable with 0-10V dimmer: Philips Sunrise: SR1200ZTUNV; Lutron Diva: DVTV-WH, DVSTV-WH; Lutron Nova T: NTSTV-DV-XX; Lutron Grafix EYE QS: QSGRJ-XP; Lutron Radio Ra2: RRD-10ND; Leviton: LEV40050; Leviton IP710-LFZ; Legrand: ADPD4FBL3P2W4
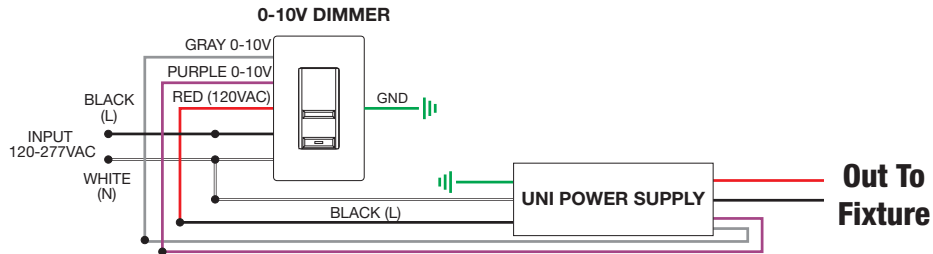
Application: Triac dimming for two power supplies, use for Static White

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

PROJECT		FIXTURE TYPE		DATE	

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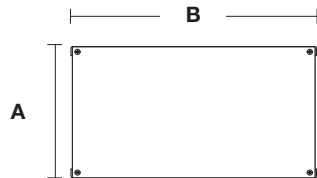
11

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

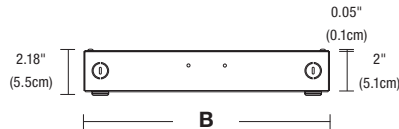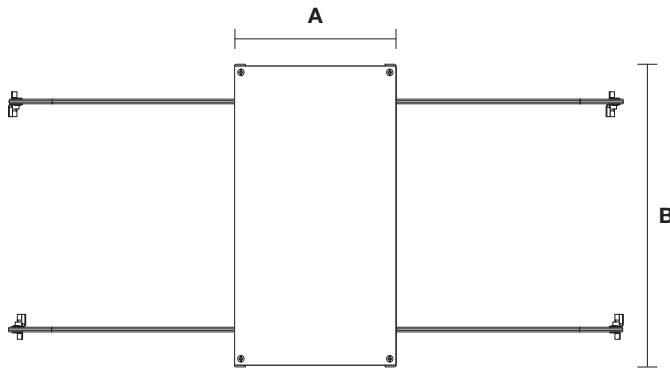DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

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

TOP VIEW

SIDE VIEW

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

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

DESCRIPTION
Accepts input voltage in a range of 120 - 277VAC and outputs 24VDC power up to 96 watts. The low voltage output dims down to 1% when two additional wires are connected to a 0-10V dimmer. The enclosure provides a space inside for electrical connections. In-Wall Power Supply Kit includes power supply, box cover and stud hangers. T-Bar Mounting Kit includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors. Power Supply features short circuit, overload and over temperature protection.

APPLICATIONS
Indoor, Damp Location

MOUNTING
Surface mounted with conduit access

POWER INPUT
120-277VAC

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

EFFICIENCY
90%

AMBIENT OPERATING TEMPERATURE
-25° C to 40° C

DIMMING
#1 Controls the intensity. #2 Controls the Color Temperature.
0-10V (dimmer needs to be capable to dim to 0% without ON/OFF switch)

DIMMING CURVE
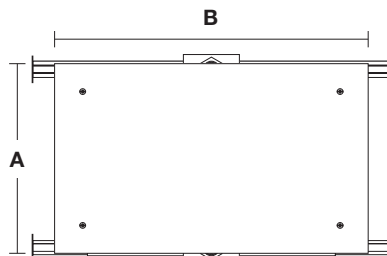Linear, Logarithmic 100% - 0% (HydraDrive)

COMPLIANCE
Made in the USA, UL, CE, Title 28, Plenum for use in Accordance with UL 2043.
*Title 24 with JA8 listed PureEdge products and systems

Product		Wattage		Dimming		Voltage		Color Temperature		Options	
PSB		**96W**		**010**		**24VDC**		**2XK**		STANDARD (Leave Blank)	
PSB	Power Supply with Enclosure Box with Tunable White 0-10V Controller	96W	96 Watts	010	0-10 Volt Dimming	24VDC	24 Volt DC	2XK	Tunable White	TB	T-Bar Grid Ceiling
		2X96W	2x96 Watts							IW*	In-Wall Kit
		3X96W	3x96 Watts								
		4X96W	4x96 Watts							*96 watts only	

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

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

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

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

PROJECT		FIXTURE TYPE		DATE	

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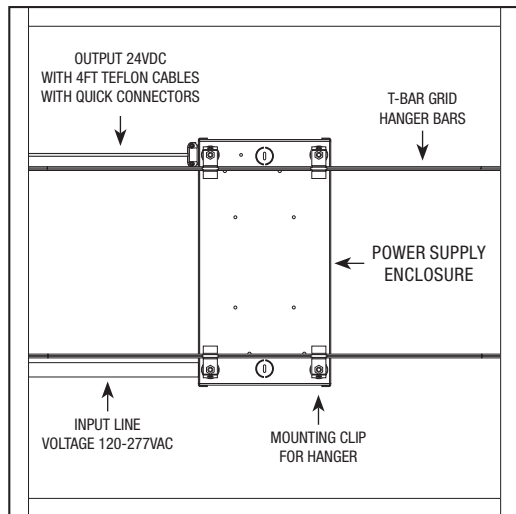# INDOOR TUNABLE WHITE 0-10V 96 WATT LED POWER SUPPLY
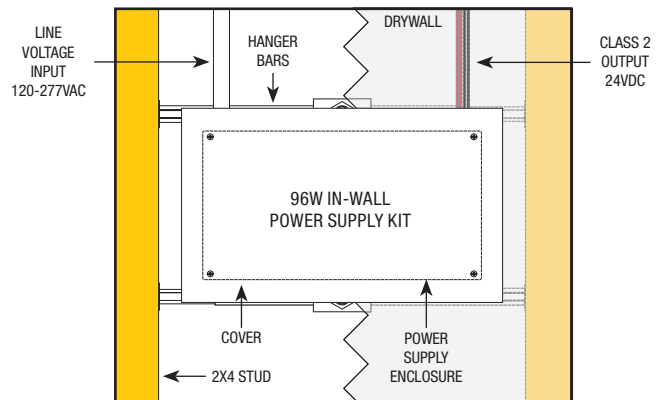24VDC INDOOR CONSTANT VOLTAGE, TWO CHANNEL CONTROLS, FOR INTENSITY AND COLOR TEMPERATURE

PURE EDGE
LIGHTING

REV 10.06.21

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

TUNABLE WHITE
STRIP/ FIXTURE

RED
BLACK
BLACK
RED

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

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

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

24V POWER SUPPLY

24VDC+
24VDC-

INPUT:
120-277V AC
L
N
GND

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

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

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

T-BAR GRID CEILING

OUTPUT 24VDC
WITH 4FT TEFLON CABLES
WITH QUICK CONNECTORS

T-BAR GRID
HANGER BARS

POWER SUPPLY
ENCLOSURE

INPUT LINE
VOLTAGE 120-277VAC

MOUNTING CLIP
FOR HANGER

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

IN WALL KIT

LINE
VOLTAGE
INPUT
120-277VAC

HANGER
BARS

DRYWALL

CLASS 2
OUTPUT
24VDC

96W IN-WALL
POWER SUPPLY KIT

COVER

2X4 STUD

POWER
SUPPLY
ENCLOSURE

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

PROJECT		FIXTURE TYPE		DATE	

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

PURE EDGE LIGHTING

REV 10.06.21

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

4.72" (12cm)

2.95" (7.5cm)

3.87" (9.8cm)

4.72" (12cm)

Side View JBox

CDMX1-2XK-WH

Controller power adapter (Included)

Fits in a single gang 2.5" deep junction box

120-240VAC

DMX CABLE (BELDEN #9841)

N

120-277V

GND

120-240VAC

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

Tunable White Power Supply

-24VDC
+24VDC

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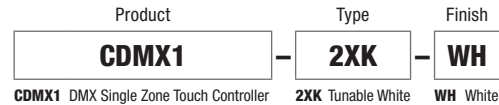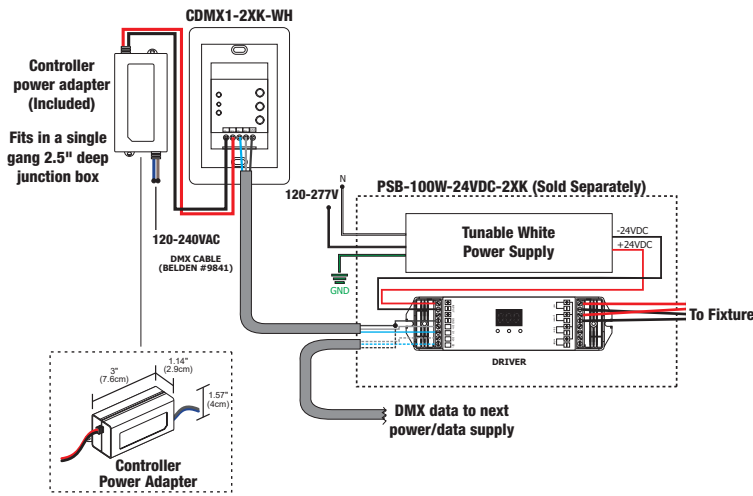
APPLICATIONS:
Indoor

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

POWER INPUT:
120-240VAC

OUTPUT SIGNAL:
USITT DMX 512 (1990)

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

| Product		Type	Finish
CDMX1	–	**2XK**	**WH**
CDMX1 DMX Single Zone Touch Controller		2XK Tunable White	WH White

COLOR CHANGING (DMX) POWER SUPPLIES

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

SPECIFICATIONS

	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
MAXIMUM LOAD OF LED STRIP LENGTH	100W 5 WATTS - 20FT MAX. 10 WATTS - 10FT MAX.	2X100W 5 WATTS 2 X 20FT MAX. 10 WATTS - 2 X 10FT MAX.	3X100W 5 WATTS 3 X 20FT MAX. 10 WATTS - 3 X 10FT MAX.	4X100W 5 WATTS 4 X 20FT MAX. 10 WATTS - 4 X 10FT MAX.
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 6.48" X 2.18"	14" X 10" X 3"	17" X 10" X 3"	17" X 10" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
T-BAR MOUNTING	PSB-100W-24VDC-2XK-TB	PSB-2X100W-24VDC-2XK-TB	PSB-3X100W-24VDC-2XK-TB	PSB-4X100W-24VDC-2XK-TB
IN-WALL MOUNTING	PSB-100W-24VDC-2XK-IW	NA	NA	NA

DMX TUNABLE WHITE DIMMING & CONTROLS

TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	•	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
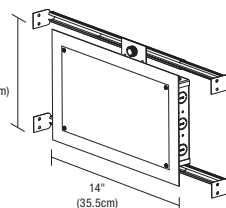- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90
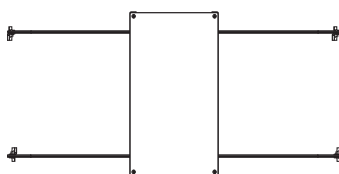
T-BAR Mounting Kit: Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4ft of 14 gauge pair Teflon cables with quick secure connectors.

Ordering Codes:
PSB-100W-24VDC-2XK-TB
PSB-2x100W-24VDC-2XK-TB
PSB-3x100W-24VDC-2XK-TB
PSB-4x100W-24VDC-2XK-TB

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

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

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

PROJECT		FIXTURE TYPE		DATE

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CEILING TM30 DATA
PLASTER-IN LED SYSTEM

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

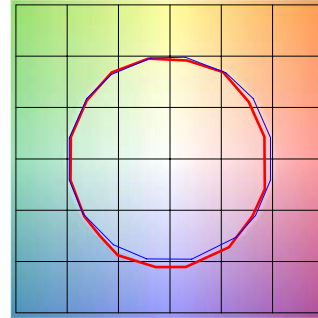### 2200K | Rf: 90.5 | Rg: 99.9
Color Vector Graphic
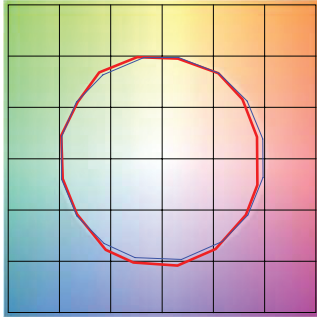
Test   Reference

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

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

Test   Reference

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

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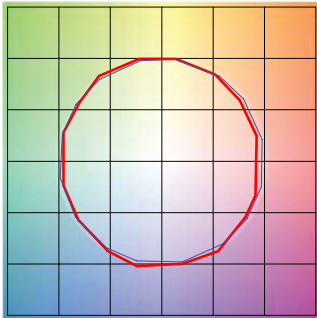
Test   Reference

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

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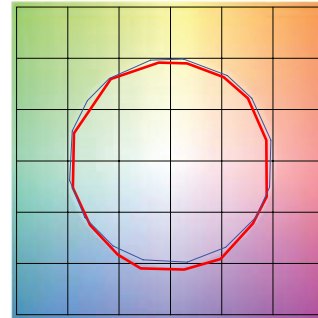
Test   Reference

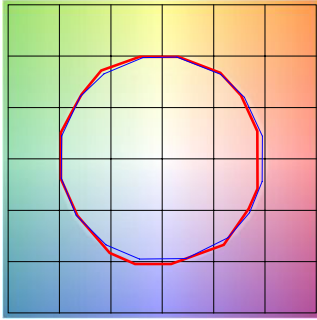| HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % HUE
1	88.3	-5.2%	0.8%
2	90.2	-3.7%	2.7%
3	88.3	-1.6%	4.9%
4	92.2	-2.0%	1.8%
5	91.0	-3.5%	1.8%
6	95.8	0.4%	-0.4%
7	90.2	-4.4%	-0.0%
8	94.8	-2.6%	0.8%
9	89.2	-2.9%	6.0%
10	81.4	-1.5%	9.7%
11	82.9	2.3%	10.5%
12	88.3	6.7%	1.9%
13	91.9	2.8%	-4.0%
14	86.3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

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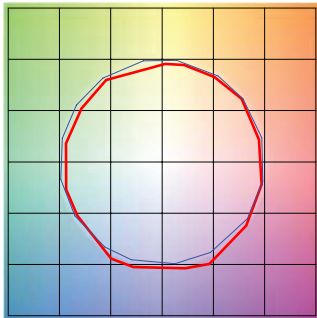
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % 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%

5700K | Rf: 87.6 | Rg: 98.0
Color Vector Graphic
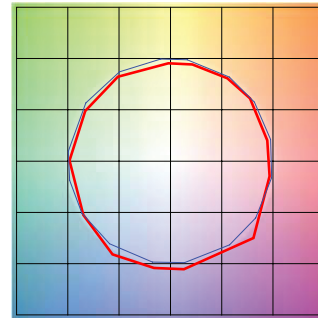
Test   Reference

HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	GRAPHIC SHIFTS % HUE
1	87.9	-3.9%	1.5%
2	92.3	-1.7%	2.7%
3	91.0	-1.2%	2.4%
4	91.5	-1.2%	1.6%
5	86.2	-5.9%	-0.4%
6	93.5	-3.2%	-0.2%
7	93.1	-3.8%	0.6%
8	85.9	-4.6%	5.9%
9	83.6	-4.0%	12.7%
10	75.8	-0.6%	13.6%
11	80.2	4.3%	10.4%
12	83.4	3.4%	1.8%
13	90.8	5.0%	-2.0%
14	91.8	1.3%	-3.3%
15	79.4	8.6%	-12.7%
16	93.4	-2.7%	-0.2%

PROJECT		FIXTURE TYPE		DATE	

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CEILING TM30 DATA
PLASTER-IN LED SYSTEM

PURE EDGE LIGHTING

REV 10.06.21

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

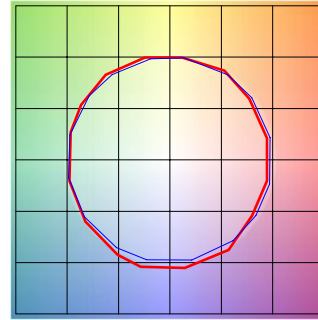**2700D | Rf: 90.7 | Rg: 101.1**
Color Vector Graphic

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

Test   Reference

3000D | Rf: 90.6 | Rg: 101.1
Color Vector Graphic

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%

Test   Reference

2000K ONLY (2K4K) | Rf: 90.6 | Rg: 98.5
Color Vector Graphic
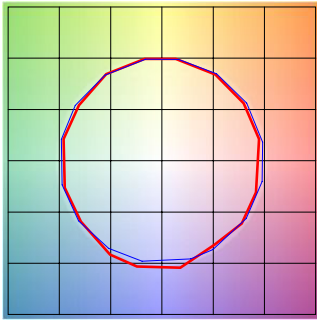
HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	87.7	-5.5%	1.2%
2	88.7	-3.9%	4.2%
3	90.5	-1.5%	4.3%
4	95.0	-1.7%	0.8%
5	95.2	-0.2%	2.1%
6	94.2	1.6%	1.9%
7	95.9	-0.8%	-2.2%
8	95.5	-1.7%	1.3%
9	93.8	-1.4	2.6%
10	91.9	-0.7%	4.2%
11	91.3	3.6%	3.7%
12	91.2	4.2%	-1.0%
13	86.6	3.8%	-12.7%
14	67.2	-3.0%	-16.3%
15	84.9	-3.3%	-9.4%
16	84.2	-5.7%	-7.5%

Test   Reference

3000K (2K4K) | Rf: 90.5 | Rg: 100.7
Color Vector Graphic
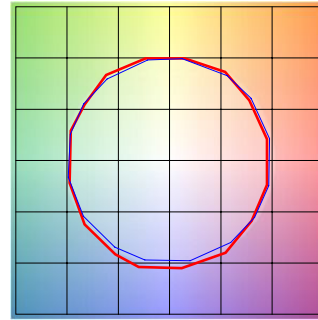
HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	91.5	-3.5%	1.2%
2	92.4	-1.8%	2.7%
3	89.8	0.3%	4.5%
4	92.4	-1.7%	0.4%
5	93.3	-0.1%	1.4%
6	94.5	2.1%	-0.6%
7	91.0	-2.5%	0.3%
8	96.9	-0.8%	-0.2%
9	91.6	-0.9%	4.6%
10	86.7	0.7%	7.8%
11	86.3	3.8%	8.5%
12	88.3	6.1%	0.6%
13	90.9	3.1%	-5.2%
14	87.3	4.7%	-7.9%
15	92.1	-1.9%	-2.5%
16	84.5	-0.9%	-10.9%

Test   Reference

4000K ONLY (2K4K) | Rf: 86.4 | Rg: 96.1
Color Vector Graphic
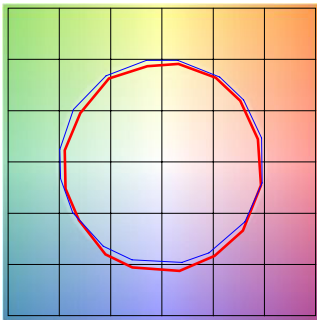
HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	86.5	-5.5%	1.3%
2	90.4	-3.0%	2.3%
3	89.8	-2.1%	3.6%
4	89.1	-3.4%	0.4%
5	88.5	-5.9%	0.1%
6	93.6	-3.0%	-0.4%
7	88.9	-6.2%	1.7%
8	87.3	-5.0%	4.9%
9	82.4	-3.6%	11.3%
10	77.4	-1.8%	12.7%
11	79.8	4.9%	11.4%
12	88.7	4.4%	2.7%
13	88.7	4.0%	-5.1%
14	91.2	2.2%	-3.8%
15	82.7	-0.1%	-9.2%
16	82.8	-2.2%	-7.6%

Test   Reference

PROJECT		FIXTURE TYPE		DATE	

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