

PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY I ASSEMBLED IN AMERICA REV 07.17.20





DESCRIPTION

Verge Ceiling is an innovative design that comes from the family of Plaster-in 24VDC systems pioneered by PureEdge that recesses within 5/8" drywall, without joist modification. Continuing to redefine the relationship between lighting, architecture and interior design, this visionary and highly Efficient system elegantly Highlights ceiling Perimeters while emitting smooth and continuous ambient illumination. Field-cuttable, Verge Ceiling is ordered in 1' increments up to 40', the slim plaster-in aluminum extrusion has a 4" paintable backer plate. Our Designer-grade High CRI Color Rendering LEDs are available in many Color Temperatures: Static white 2200K-5700K, RGB, RGB+W, Warm Dim (27D or 30D) and, Dynamic/ Tunable White (2K4K) as well as four wattage options of 2WDC, 3WDC, 5WDC, and 6WDC. This plaster-in LED system brings together a Modern and Dynamic appearance to Residential and Commercial environments, offering unlimited creativity, and empowering you to design One-of-akind spaces every time. Remote Power supplies are required and sold separately. Coordinate installation with electrical and drywall contractors. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, send drawings to design@PureEdgeLighting.com. Designed by Gregory Kay.

DESIGN NOTE

Verge Ceiling can be installed on a single surface such as the Perimeter of the ceiling accentuate or highlight Coves and other Architectural elements. 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.

APPLICATIONS

PROJEC^{*}

Indoor damp or dry locations only. Ideal for Ceiling Perimeters and outlining Architectural Elements in Residential, Commercial, Retail, Education, or Healthcare Institutions and Hospitality environments.

INCLUDED COMPONENTS

Junction Box, Adjustable Mounting Bars, Backer Plate, Verge Ceiling Channel(s), Drywall Screws, LED Soft Strip, and Lens(es)

LAMP

The average LED Life is 50,000 hours.

DESCRIPTION				2WDC			
WATTS PER FOOT		2.5w (2.5 watts)					
COLOR TEMPERATURE	22K 24K 27K 30K 35K 40K 57K						
LUMENS PER FOOT (Im/ft)	242	269	295	323	370	402	428
LUMENS PER WATT (Im/w)	97	108	118	129	148	161	171
CRI	85+	95+	95+	95+	85+	85+	85+

DESCRIPTION		5WDC							
WATTS PER FOOT		5w (4.4 watts)							
COLOR TEMPERATURE									
LUMENS PER FOOT (Im/ft)	427	477	521	540	569	590	652	709	754
LUMENS PER WATT (Im/w)	97 108 118 113 129 123 148 161 172								
CRI	85+	95+	95+	92+	95+	92+	85+	85+	85+

Lumen values are based on the 3000K LED test.

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

- Universal Dimming: Universal Dimming (TRIAC, ELV, 0-10V) with corresponding dimmer
- 0-10 Volt Dimming (0-10V)
- DMX Dynamic Color Changing
- Lutron Hi-Lume®

*In-Wall Mounting Kits available for select power supplies

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.

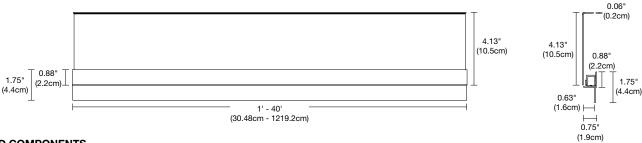
PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.

		Length		
System	Watts Per Foot	in Feet	C	Color Temperature
VGCE -	- 2WDC -	10FT -		27K
VGCE Verge Ceiling	2WDC 2.5 Watts (40 ft Max)	1-40FT 2WDC 2	22K 2200K Amber White	35K 3500K Neutral White
	3WDC 2.6 Watts (36 ft Max)	1-36FT 3WDC 2	24K 2400K Very Warm White	40K 4000K Cool White
	5WDC 4.4 Watts (20 ft Max)	1-20FT 5WDC 2	27K 2700K Incandescent White	57K 5700K Daylight White
	6WDC 6.3 Watts (16 ft Max)	1-16FT 6WDC 2	27D 2700K Warm Dim (5WDC Only)	2K4K 2000K-4000K Tunable White (5WDC only)
		;	3000K Warm White	RGB Red, Green, and Blue (3WDC + 5WDC only)
		3	3000K Warm Dim (5WDC Only)	RGBW Red, Green, Blue, and 2000K White (6WDC only)
			FIXTURE TYPE	DAT
	VGCE	VGCE Verge Ceiling 2WDC 2.5 Watts (40 ft Max) 3WDC 2.6 Watts (36 ft Max) 5WDC 4.4 Watts (20 ft Max)	VGCE VGCE	VGCE Verge Ceiling VGCE VG

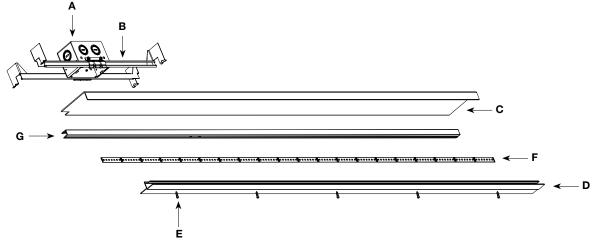
^{**}Dynamic/Tunable White - Requires two dimmers (one for 2000K and one for 4000K) or use our proprietary Tunable White Controller CDMX-1







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 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 stude that are spaced 13"-24" apart.

C. BACKER PLATE

4" paintable aluminum plate that conceals Junction Box and reflects light.

(5.1cm)

D. VERGE CEILING CHANNEL

5/8" deep extrusion houses a single row of LED Soft Strip.

E. DRYWALL SCREWS

Secures channel to drywall and stud.

F. LED SOFT STRIP

Commercial-grade white or dynamic color-changing LED Soft Strip. See lamp data for additional details.

G. LENS

0.6" wide diffused white lens projects a clean line of light without LED dots.



One Junction Box is included with Verge Ceiling. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

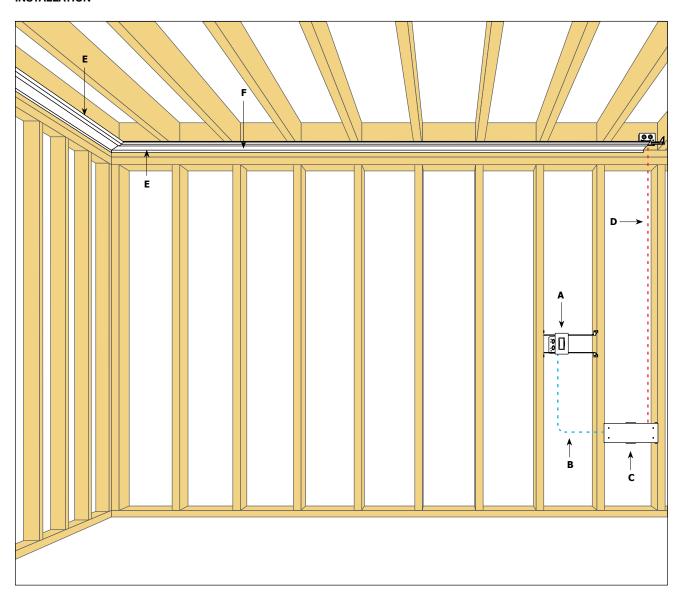




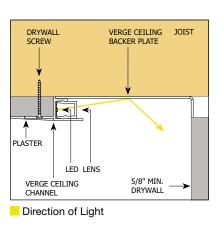




INSTALLATION



- 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 CEILING CHANNEL**
- F. LED SOFT STRIP



PROJECT FIXTURE TYPE DATE





2 WATTS PER FOOT - 22K, 27K, 30K, 35K, 40K AND 57K STATIC WHITE

LENGTH IN FEET	WATTS
1	3
2	5
3	8
4	10
5	13
6	15
7	17
8	20
9	22
10	25

2 WATTS PER FUUT - 22K, 27K				
WATTS				
27				
29				
32				
34				
37				
39				
41				
44				
46				
48				

JK, 40K AND J/K SIAHU WIIHE			
WATTS			
51			
54			
56			
58			
61			
63			
66			
68			
70			
73			

LENGTH IN FEET	WATTS
31	75
32	78
33	80
34	82
35	85
36	87
37	90
38	92
39	94
40	96

LENGTH IN FEET WATTS 2 6 3 4 11 5 13 6 16

19 21 24

7

LENGTH IN FEET	WATTS
10	26
11	29
12	32
13	34
14	37
15	39
16	42
17	45
18	47

3 WATTS PER FOOT - RGB					
ITTS	LENGTH IN FEET	WATTS			
26	19	50			
29	20	52			
32	21	55			
34	22	58			
37	23	60			
39	24	63			
12	25	65			
15	26	68			
17	27	71			

LENGTH IN FEET	WATTS
28	73
29	76
30	78
31	81
32	84
33	86
34	89
35	91

LENGTH IN FEET	WATTS
1	5
2	10
3	14
4	19
5	24

5 WATTS PER FOOT - 22K, 27K, 27D, 30K, 30D, 35K, 40K, 57K STATIC WHITE AND RGB						
LENGTH IN FEET	WATTS		LENGTH IN FEET	WATTS		
6	29		11	53		
7	34		12	58		
8	38		13	63		
9	43		14	67		
10	48		15	72		

LENGTH IN FEET	WATTS
11	53
12	58
13	63
14	67
15	72

LENGTH IN FEET	WATTS
16	77
17	82
18	87
19	91
20	96

LENGTH IN FEET	2K WATTS	4K WATTS
1	3	3
2	5	5
3	8	8
4	10	10
5	12	12
6	15	15
7	17	17

LENGTH IN FEET	2K WATTS	4K WATTS
8	20	20
9	22	22
10	24	24
11	27	27
12	29	29
13	32	32
14	34	34

5 WATTS PER FOOT - 2K4K TUNABLE WHITE

LENGTH IN FEET	2K WATTS	4K WATTS
15	36	36
16	39	39
17	41	41
18	44	44
19	46	46
20	48	48

6 WATTS PER FOOT - RGB+W

LENGTH IN FEET	WATTS
1	6
2	12
3	18
4	24

LENGTH IN FEET	WATTS
5	30
6	36
7	42
8	48

LENGTH IN FEET	WATTS
9	54
10	60
11	66
12	72

LENGTH IN FEET	WATTS
13	78
14	84
15	90
16	96

PROJECT FIXTURE TYPE DATE







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	UNIVERSAL PO	OWER SUPPLIES & RECOMMENDE	D DIMMERS	
	PSB-40W-UNI-24VDC	PSB-60W-UNI-24VDC	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC
ORDERING CODE				
ORDERING CODE	9	3	0	0
	0.0	0.0	:	:
		0	0 0.0	0 0.0
		SPECIFICATIONS		1
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 PO	OWER SUPPLIES & RECOMMENDE	D DIMMERS	
	PSB-96W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-3X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC
ORDERING CODE	6)	6		
0.152	3		0	9 9
		2:0:0	0 0 3	9 9 10 0
	0	0 0		
		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	•	•	•	•
LUTDON OKWI ADK. CO. 1 WWW	1	TRIAC DIMMING & CONTROLS		I
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.

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



IN WALL MOUNTING OPTIONS

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14.25

(35.5cm)

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

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

PSB-60W-UNI-24VDC-IW PSB-96W-UNI-24VDC-IW

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

PSB-2X60W-UNI-24VDC-IW

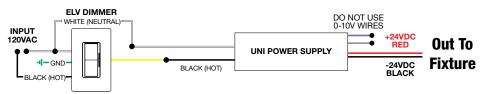
PSB-2X96W-UNI-24VDC-IW

WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

Application: ELV dimming for Static White and Warm Dim

Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, **Dimming:**

Maestro MAELV-600 and Radio Ra 2



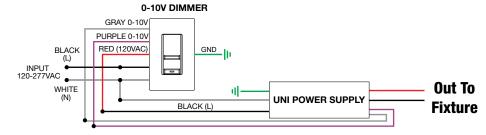
Application:

0-10V dimming for Static White

Dimming:

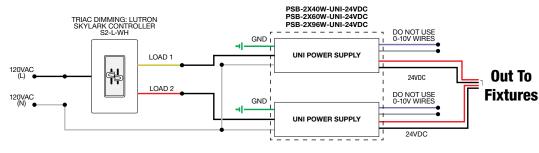
Dimmable with 0-10V dimmer: Philips Sunrise: SR1200ZTUNV; Lutron Diva: DVTV-WH, DVSTV-WH; Lutron Nova T: NTSTV-DV-XX; Lutron Grafix EYE QS: QSGRJ-XP; Lutron Radio Ra2: RRD-10ND; Leviton: LEV40050; Leviton IP710-LFZ;

Legrand: ADPD4FBL3P2W4



Application: Triac dimming for two power supplies, use for Static White and Warm Dim

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



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24VDC UNIVERSAL DIMMING WITH ELV, 0-10V, TRIAC | DYNAMIC TUNABLE WHITE TECHNOLOGY

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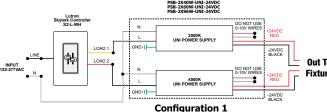
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS†					
ORDERING CODE	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC	
	5 0:0:0	5 0:0:0	5	5 5 5 park	
SPECIFICATIONS					
MAXIMUM LOAD	2X40W	2X60W	2X96W	4X96W	
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC	
OUTPUT 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 dimmina
- 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.

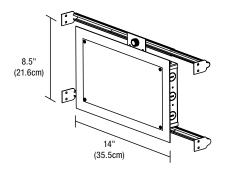
MAXIMUM LENGTH

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





IN WALL MOUNTING OPTIONS



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.

S2-L-WH (TRIAC) Single Pole Dimming with

Dual Universal Power Supplies

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

PSB-2X96W-UNI-24VDC-IW

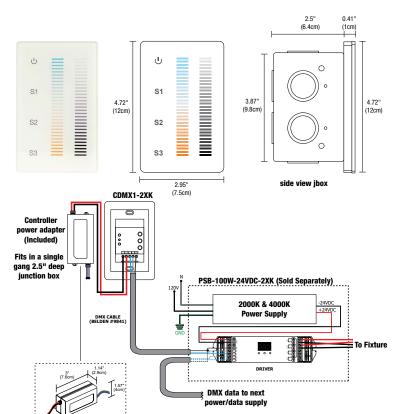
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DYNAMIC/TUNABLE WHITE CONTROLLER AND POWER SUPPLIES

24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DMX DRIVERS



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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

OUTPUT SIGNAL: USITT DMX 512 (1990)

INSTALLATION:

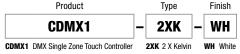
Fits in a single gang 2.5 inch deep junction box. Not compatible with multi-gang boxes.

LABELS:

ROHS, FCC, Damp Location, ETL/UL

POWER INPUT:

120-240VAC



			CDMX1 DMX Single 2	one louch controller 2xk 2 x keivin wh v
	DYNAM	IIC COLOR CHANGING (DMX) POWER S	SUPPLIES & RECOMMENDED CONTROL	LERS†
	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
ORDERING CODE	6	000	000	0 0 0
		SPECIFIC	ATIONS	
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 WH	IITE DIMMING & CONTROLS	
TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	•	•	•	•

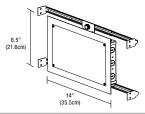
- Flicker free dimming
- Aluminum casing for optimal heat dissipation

controller ower adapter

Isolated output power per NEC and UL safety requirements
 UL & ETL recognized/ listed, meets UL 8750, 1310 requirements

- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

IN WALL MOUNTING OPTIONS



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

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

PROJECT	CIVTI	URE TYPE	DATE	
FROJECT		UNLITE	DAIL	



INDOOR DMX REMOTE POWER SUPPLIES



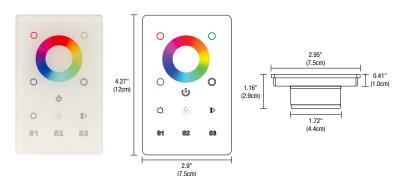
24VDC 1-ZONE DIMMER WITH DYNAMIC COLOR CHANGING DMX 512 PROTOCOL RGB AND RGBW

REV. 07.17.20

Finish

WH

White



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: Power Input: Indoor 120-277VAC

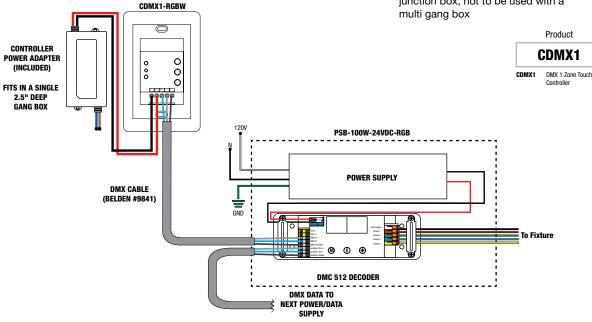
Installation:
Fits in a single gang 2.5 inch deep junction box, not to be used with a

Output Signal: USITT DMX 512 (1990)

Type

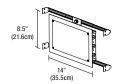
RGBW

junction box, not to be used with a



	DYNAMIC COLOR CHANGING (DN	IX) POWER SUPPLIES & RECOMM	IENDED CONTROLLERS	
	PSB-100W-24VDC-RGB	PSB-2X100W-24VDC-RGB	PSB-3X100W-24VDC-RGB	PSB-4X100W-24VDC-RGB
ORDERING CODE	6 0:0:0	S S S S S S S S S S S S S S S S S S S	9 9 9 9	5 5 6 600
		SPECIFICATIONS		
MAXIMUM LOAD	100W	2X100W	3X100W	4X100W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.14" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-100W-24VDC-RGB-IW	N/A	N/A	N/A
		DIMMING & CONTROLS		
TOUCH SCREEN CONTROLLER (CTP)	•	•	•	•
COLOR DIAL CONTROLLER (CDP)	•	•	•	•
DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)	•	•	•	•

Classification: UL2108-*24VDC over 100 Watts, wires must be in conduit from Remote Power Supply to J-box.



8.5" X 14" IN-WALL MOUNTING KIT

Includes Power Supply, Box Cover, and Stud Hangers for installing Junction Box in wall. Select "IW" in the options section of compatible Power Supply ordering codes if an In-Wall Mounting Kit is needed.

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

PROJECT	FIXT	TURE TYPE	DATE	







REV. 07.17.20

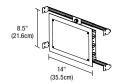
REQUIRED COMPONENTS 24VDC DMX RGB Compatible Power Supplies

	YNAMIC COLOR CHANGING (DM	X) POWER SUPPLIES & RECOMM	ENDED CONTROLLERS†	
	PSB-100W-24VDC-RGB	PSB-2X100W-24VDC-RGB	PSB-3X100W-24VDC-RGB	PSB-4X100W-24VDC-RGB
ORDERING CODE	\$:	S S S S S S S S S S S S S S S S S S S	S S S ALANA	3 8 8 1 1 1 1 1 1
		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-RG-BW)	•	•	•	•

DYN	AMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS†
	PSB-100W-24VDC-DALI
ORDERING CODE	
	SPECIFICATIONS
MAXIMUM LOAD	100W
INPUT VOLTAGE	120-277VAC
OUTPUT VOLTAGE	24VDC
DIMENSIONS	12.14" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2
IN-WALL MOUNTING	PSB-100W-24VDC-DALI-IW
	DIMMING & CONTROLS
TOUCH SCREEN CONTROLLER (CTP)	•
DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)	•
DALI COMPATIBLE	•

^{†2400}K-5700K Color Temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) Color Temperatures are only compatible with ELV Power Supplies. Tunable White (2K4K) Color Temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

Classification: UL2108 - * 24VDC over 100 Watts, wires must be in conduit from Remote Power Supply to J-box.



8.5" X 14" IN-WALL MOUNTING KIT

Includes Power Supply, Box Cover, and Stud Hangers for installing Junction Box in wall. Select "IW" in the options section of compatible Power Supply ordering codes if an In-Wall Mounting Kit is needed.

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

PROJECT	FIXTURE TYPE	DA	TE
FROJECT	INTONETTE	DA	NL

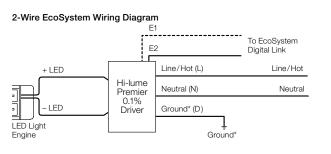


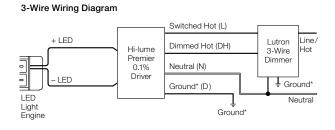


REV 07.17.20

LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†				
	L3D0-96W24V-U	2-WIRE ECOSYSTEM LTEA4U1UKL-CV240	3-WIRE ECOSYSTEM L3DA4U1UKL-CV240	
ORDERING CODES		The second secon	HERE SEE A CONTROL OF THE PROPERTY OF THE PROP	
		SPECIFICATIONS		
MAXIMUM LOAD	96W	5W-40W	5W-40W	
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	
DIMENSIONS	10.5" X 5.5" X 2"	4" X 4.89" X 2.62"	4" X 4.89" X 2.62"	
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	
	DIM	MING AND CONTROLS		
RADIO RA2	•	•	•	
HOMEWORKS QS	•	•	•	
PHPM-3F-120	•	•	•	
PHPM-3F-DV	•	•	•	
BCI-0-10	•	•	•	

124K - 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.





LTEA4U1UKL-CV240 L3DA4U1UKL-CV240





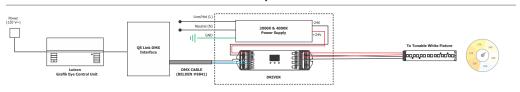


REV 07.17.20

LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†				
	L3D0-96W24V-U	2-WIRE ECOSYSTEM LTEA4U1UKL-CV240	3-WIRE ECOSYSTEM L3DA4U1UKL-CV240	
ORDERING CODES		The state of the s	11 100 110 Que de la constante	
		SPECIFICATIONS		
MAXIMUM LOAD	96W	5W-40W	5W-40W	
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	
DIMENSIONS	10.5" X 5.5" X 2"	4" X 4.89" X 2.62"	4" X 4.89" X 2.62"	
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	
	DIM	MING AND CONTROLS		
RADIO RA2	•	•	•	
HOMEWORKS QS	•	•	•	
PHPM-3F-120	•	•	•	
PHPM-3F-DV	•	•	•	
BCI-0-10	•	•	•	

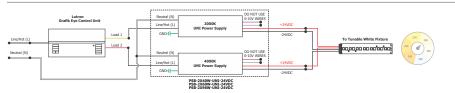
¹²⁴K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-Lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

WIRING DIAGRAM: DMX Control with Lutron Grafik Eye Control Unit

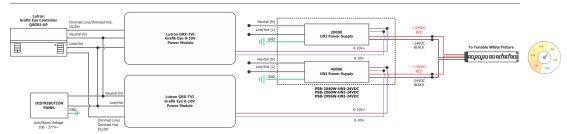




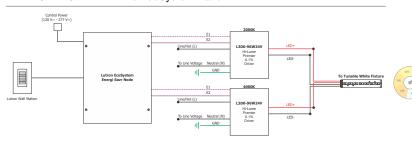
WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit



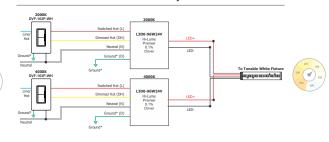
WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller



WIRING DIAGRAM: 2-Wire EcoSystem Panel



WIRING DIAGRAM: 3-Wire EcoSystem Wall Box



PROJECT	FIXTURE TYPE	DATE	
	<u> </u>		

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

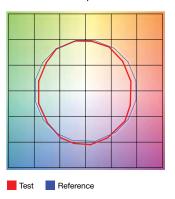
^{**}Tunable White (2K4K) uses one or two power supplies, dependent on the controller or dimmer(s) used.

Lutron Hi-Lume® can be used in both single or dual power formats, dependent on the controller or dimmer(s). Specify amount of Power Supplies based on this.



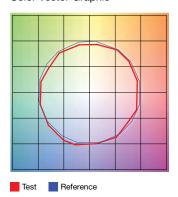
TM-30-15 DATA: The data below is for SS2C and SS5C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2200K | Rf: 83.9 | Rg: 94.9 Color Vector Graphic



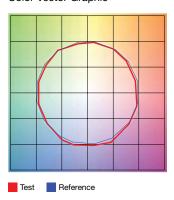
		GRAPHIC SHIFTS %		
HUE BIN	Rf	CHROMA	HUE	
1	78.8	-9.5%	1.3%	
2	80.7	-7.8%	6.7%	
3	78.2	-3.3%	9.4%	
4	89.7	-2.8%	3.6%	
5	93.2	-0.8%	2.6%	
6	93.0	-0.6%	-0.7%	
7	87.7	-5.9%	-3.5%	
8	89.2	-6.8%	1.9%	
9	83.4	-5.6%	6.0%	
10	79.3	-3.7%	10.8%	
11	81.4	2.9%	11.1%	
12	84.9	5.3%	4.9%	
13	88.1	4.9%	-10.1%	
14	68.1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

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



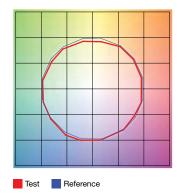
		GRAPHIC SHIFTS %		
HUE BIN	Rf	CHROMA	HUE	
1	88.0	-4.3%	2.6%	
2	91.6	-2.4%	2.0%	
3	93.7	-1.4%	1.9%	
4	88.9	-5.6%	-3.1%	
5	92.3	-5.5%	-0.5%	
6	92.9	-3.5%	0.1%	
7	84.5	-7.5%	4.6%	
8	90.8	-3.0%	4.4%	
9	84.5	-1.3%	8.3%	
10	83.9	2.0%	9.8%	
11	87.2	5.3%	7.1%	
12	89.2	5.4%	-2.6%	
13	88.7	0.3%	-7.8%	
14	86.8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

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



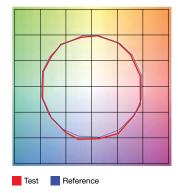
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7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

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



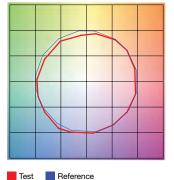
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1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

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



		GRAPHIC	SHIFTS %
HUE BIN	Rf	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%

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



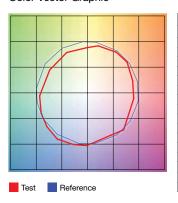
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15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

PROJECT	EIVT	TURE TYPE	DATE	
PROJECT	FIX I	TURE LIPE	DAIL	



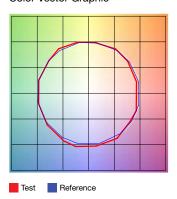
TM-30-15 DATA: The data below is for SS2C and SS5C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

5700K | Rf: 80.3 | Rg: 91.5 Color Vector Graphic



		GRAPHIC SHIFTS %		
HUE BIN	Rf	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%	

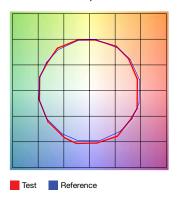
3000D | Rf: 89.8 | Rg: 101.4 Color Vector Graphic



		GRAPHIC	SHIFTS %
HUE BIN	Rf	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%

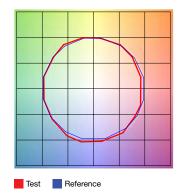
3000K (2K4K) | Rf: 90.2 | Rg: 101.4

Color Vector Graphic



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

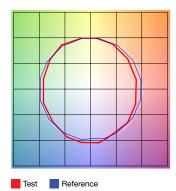
2700D | Rf: 89.5 | Rg: 100.8 Color Vector Graphic



		I			
		GRAPHIC SHIFTS %			
HUE BIN	Rf	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%		

2000K ONLY (2K4K) | Rf: 84.3 | Rg: 96.9

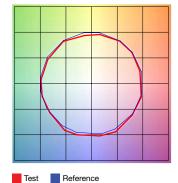
Color Vector Graphic



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

4000K ONLY (2K4K) | Rf: 89.6 | Rg: 99.1

Color Vector Graphic



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

PROJECT	FIXTI	TURE TYPE	DATE	
ITTOULUT	III	IONE I II E	DAIL	