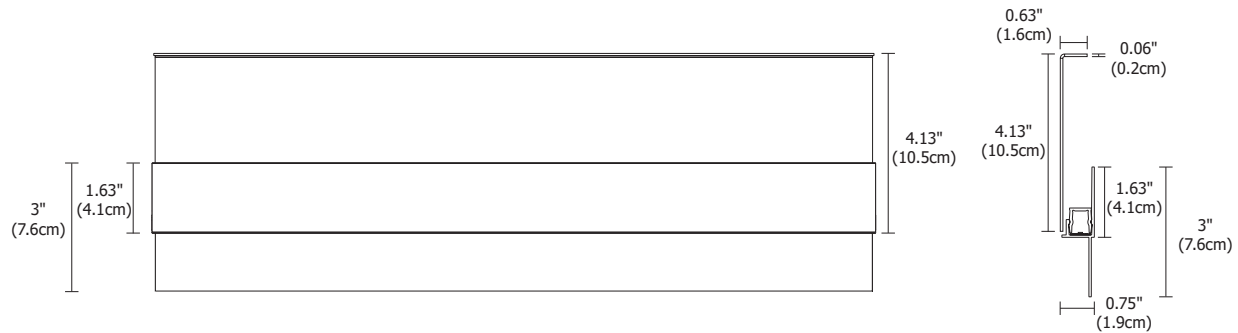
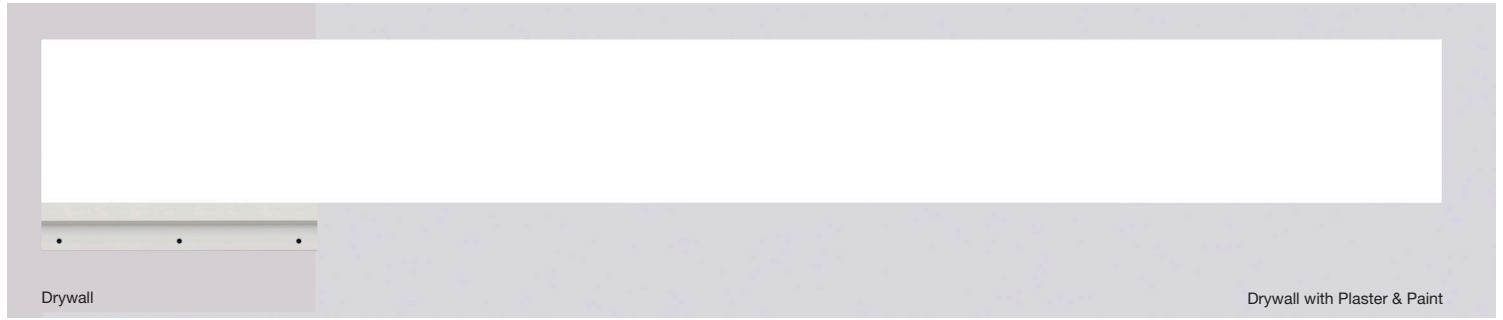


VERGE DOOR FRAME 24VDC

PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.19.20



DESCRIPTION

Verge Door Frame, a slim, plaster-in aluminum channel with a 4" paintable aluminum backer plate, emits ambient light for dramatic illumination of single door or double door frames. The 24VDC linear LED system mounts directly to studs without joist modification and plasters into 5/8" or thicker drywall. Verge Door Frame is available for a single-door or a double-door frame sizes. Custom sizes also available. It comes with several color temperature options, including 2200K-5700K (ELV/010), Warm Dim (ELV), Tunable White (ELV/010/DMX), RGB and RGB+W (DMX). High CRI commercial-grade White or Dynamic Color Changing LED Soft Strip projects a clean line of light. Coordinate installation with electrician and drywall contractors. Includes a 5 year pro-rated warranty.

DESIGN NOTE

Verge Door Frame can be installed around single door or double door. Channel is pre-cut to maximum height specified in the ordering code size options. 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 flexibility that transforms interiors into thoughtful, unique works of art.

APPLICATIONS

Indoor damp or dry locations only. Wall or Ceiling mount used in Corners, Coves, Windows, Skylights for Hospitality, Retail, and Residential

LAMP

The average LED Life is 50,000 hours.

WATTS PER FOOT	LUMENS PER WATT PER FOOT	85+ CRI		90+CRI 2K4K	92+CRI 27D, 30D	95+CRI 24K, 27K, 30K	RGB	RGB+W
		22K, 35K, 40K, 57K						
2WDC (2.5WDC)	57	186	•			•		
2.6WDC	N/A	N/A					•	
4.4WDC	N/A	N/A	•	•	•	•		
6.3WDC	N/A	N/A						•

Lumen values are based on the 3000K LED test.

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

- 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

INCLUDED COMPONENTS

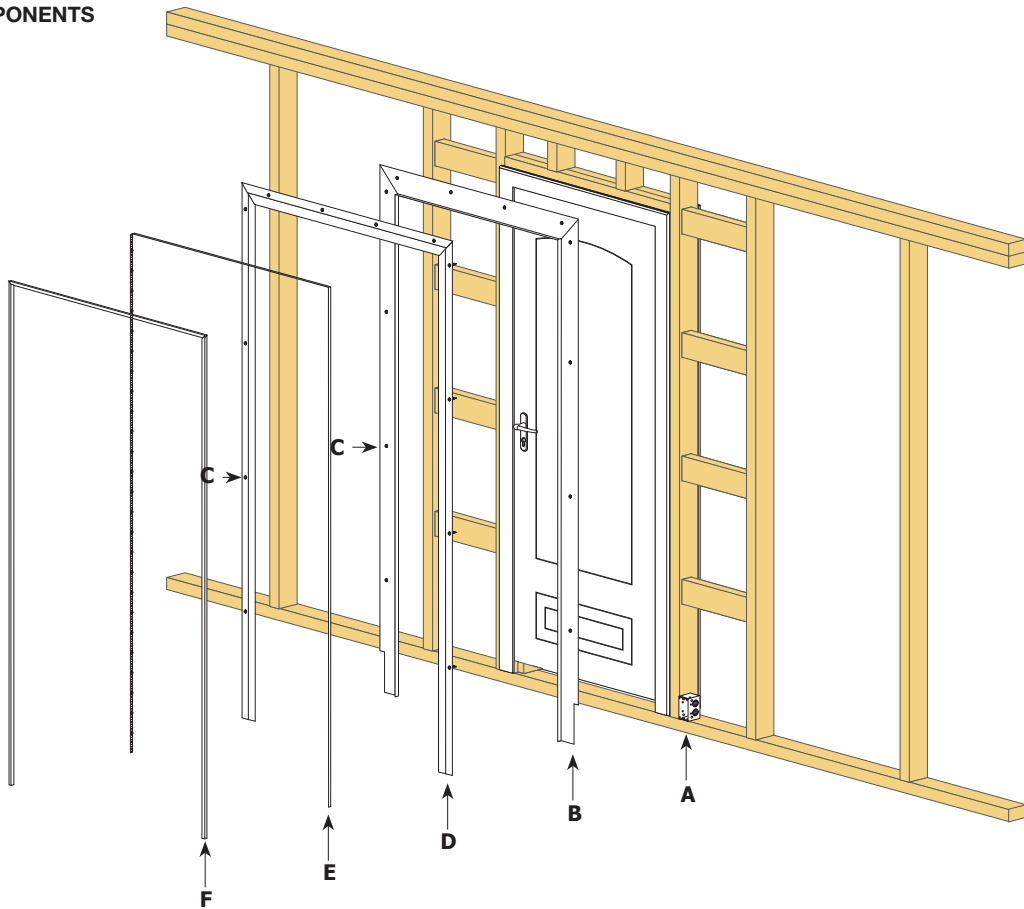
(2) Junction Boxes, Adjustable Mounting Bars, (2) Backer Plates, (2) Verge Corner Channels, Drywall Screws, (2) LED Soft Strips, and (2) Lenses

System	Watts Per Foot	Size	Color Temperature
VGDF	2WDC	S	27K
VGDF Verge Door Frame	2WDC 2.5 Watts 3WDC 2.6 Watts (35' Max) 5WDC 4.4 Watts (20' Max) 6WDC 6.3 Watts (15' Max)	S Single Frame (18'-22') D Double Frame (23'-27')	22K 2200K Candle White 24K 2400K Very Warm White 27K 2700K Incandescent White 27D 2700K Warm Dim (5WDC only) 30K 3000K Warm White (Halogen) 30D 3000K Warm Dim (Halogen, 5WDC only) 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White 2K4K 2000K-4000K Tunable White (5WDC only) RGB Red, Green, and Blue (3WDC only) RGBW Red, Green, Blue, and 2000K White (6WDC only)

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

PROJECT	FIXTURE TYPE	DATE

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. BACKER PLATE

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

C. DRYWALL SCREWS

Secures channel to drywall and stud.

D. VERGE DOOR FRAME CHANNEL

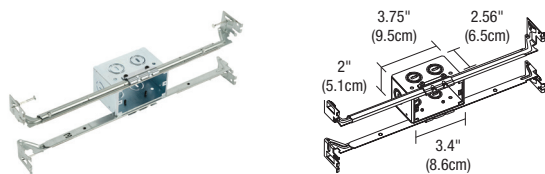
5/8" deep extrusion houses a single row of LED Soft Strip.

E. LED SOFT STRIP

Commercial-grade White or Dynamic Color Changing LED Soft Strip.

F. LENS

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



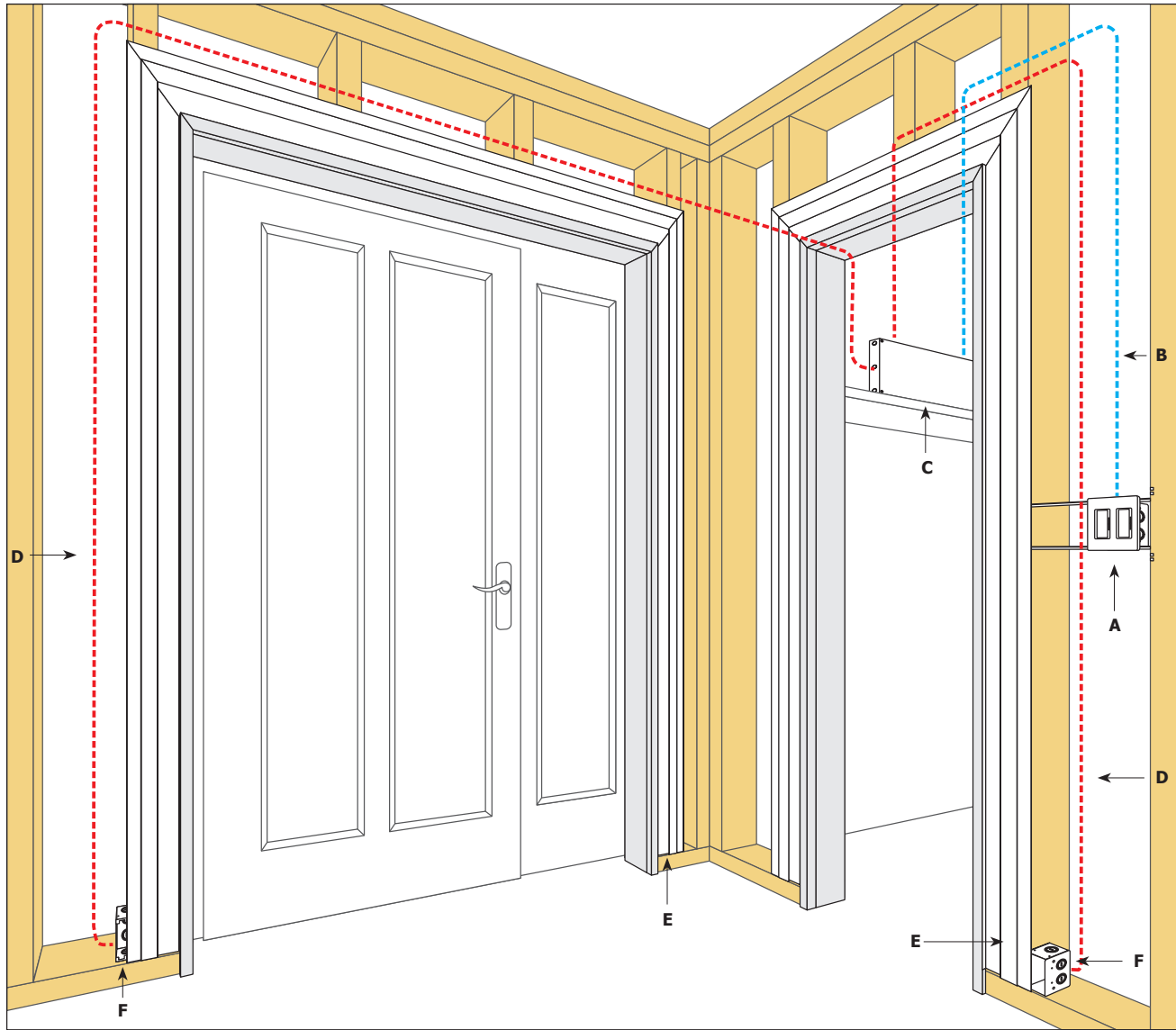
JUNCTION BOX ROUGH-IN COMPONENT

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

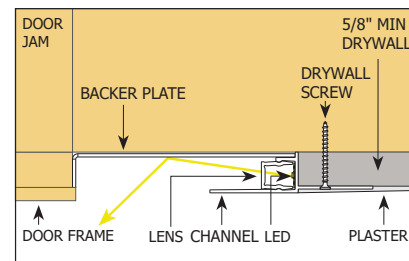
System	Size	Component
VG	1RE	JBOX
VG Verge	1RE 1" Rectangle	JBOX Junction Box

PROJECT	FIXTURE TYPE	DATE
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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 DOOR FRAME CHANNEL**
- F. JUNCTION BOX**



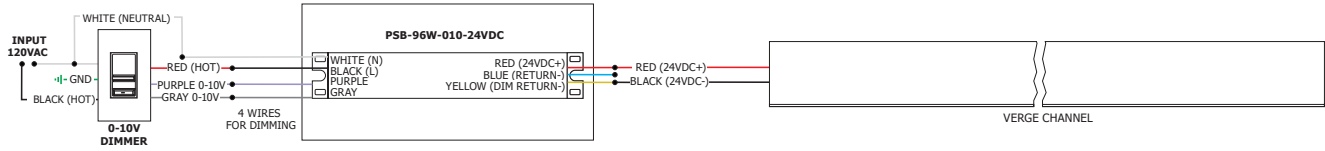
 Direction of Light

PROJECT	FIXTURE TYPE	DATE
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VERGE DOOR FRAME 24VDC

PLASTER-IN LED SYSTEM

- APPLICATION** 0-10V dimming for Verge Door Frame
- POWER SUPPLY** PSB-96W-010-24VDC (24VDC 96W output) | PSB-2X96W-010-24VDC (24VDC 2X96W output)
- DIMMING** Radio Ra2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T; Philips: Sunrise SR1200ZTUNV; Leviton: IP710-LF



2.5 WATTS PER FOOT - 22K, 24K, 27K, 30K, 35K, 40K AND 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	25	20	48	30	73	40	96

5 WATTS PER FOOT - 22K, 24K, 27K, 27D, 30K, 30D, 35K, 40K AND 57K WHITE LEDS

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

3 WATTS PER FOOT - RGB LEDS

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	3	10	26	19	50	28	73
2	6	11	29	20	52	29	76
3	8	12	32	21	55	30	78
4	11	13	34	22	58	31	81
5	13	14	37	23	60	32	84
6	16	15	39	24	63	33	86
7	19	16	42	25	65	34	89
8	21	17	45	26	68	35	91
9	24	18	47	27	71		

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

5 WATTS PER FOOT - 2K4K TUNABLE WHITE LEDS

LENGTH IN FEET	2K WATTS	4K WATTS	LENGTH IN FEET	2K WATTS	4K WATTS	LENGTH IN FEET	2K WATTS	4K WATTS
1	3	3	8	20	20	15	36	36
2	5	5	9	22	22	16	39	39
3	8	8	10	24	24	17	41	41
4	10	10	11	27	27	18	44	44
5	12	12	12	29	29	19	46	46
6	15	15	13	32	32	20	48	48
7	17	17	14	34	34			

PROJECT		FIXTURE TYPE		DATE	
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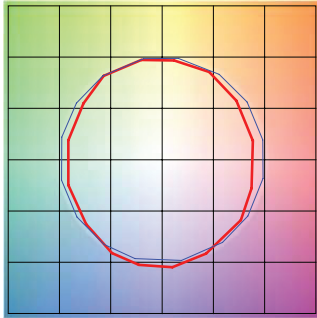
CEILING TM30 DATA

PLASTER-IN LED SYSTEM

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

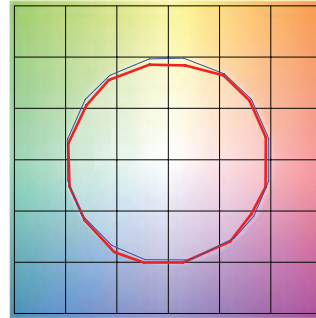


■ Test ■ Reference

		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%	

2400K | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

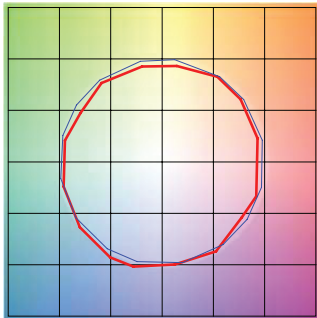


■ Test ■ Reference

		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%	

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

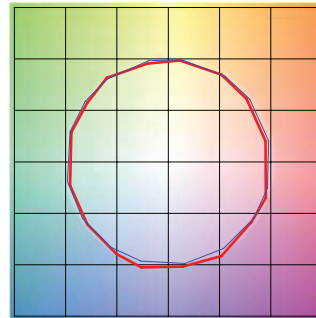


■ Test ■ Reference

		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%	

3000K | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

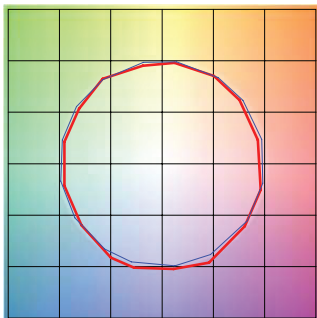


■ Test ■ Reference

		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%	

3500K | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

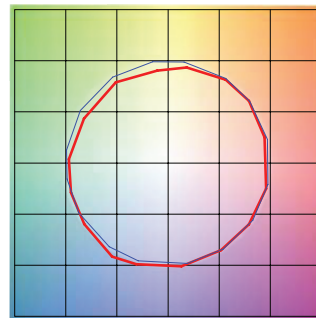


■ Test ■ Reference

		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%	

4000K | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

		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	FIXTURE TYPE	DATE
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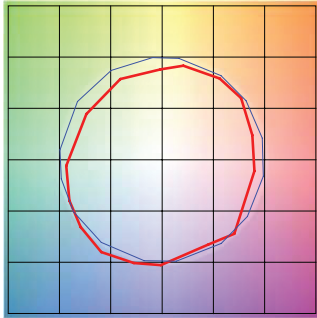
CEILING TM30 DATA

PLASTER-IN LED SYSTEM

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

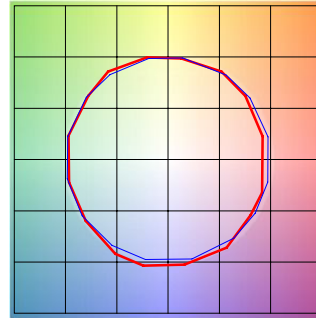


■ Test ■ Reference

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

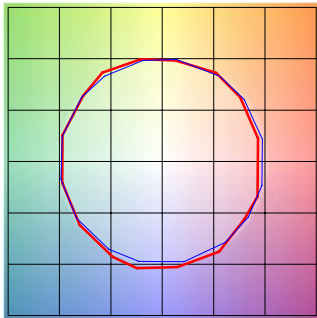


■ Test ■ Reference

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

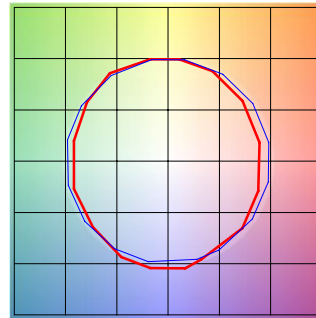


■ Test ■ Reference

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

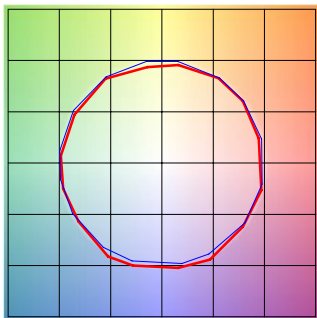


■ Test ■ Reference

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%

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

Color Vector Graphic

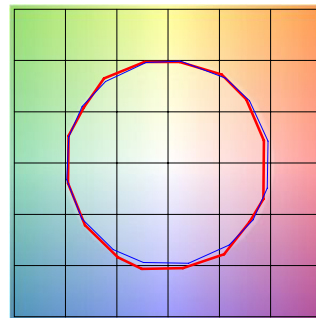


■ Test ■ Reference

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%

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

Color Vector Graphic



■ Test ■ Reference

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

PROJECT	FIXTURE TYPE	DATE
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