Drywall

Drywall with Plaster & Paint

0.88" (2.2cm)

1.75" (4.4cm)

4" (10.2cm)

5' - 40' (152.4cm - 1219.2cm)

0.08" (0.2cm)

4" (10.2cm)

0.88" (2.2cm)

1.75" (4.4cm)

0.63" (1.6cm)

0.75" (1.9cm)

DESCRIPTION

Verge Wall, a slim, plaster-in aluminum channel with a 4" paintable aluminum backer plate, highlights the transition where two drywall surfaces verge together, while emitting ambient illumination. The 24VDC linear LED system mounts directly to studs without joist modification and plasters into 5/8" or thicker drywall. Verge is sold in 5' increments up to 40' and field cuttable to any length. Several color temperature options are available, 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 Wall may be installed on a single surface for Toe-Kick and Cove lighting applications. 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. A Wall Mount for use as Cove lighting or use at the Floor for Floating Wall effects, for Hospitality, Retail, and Residential

LAMP

The average LED Life is 50,000 hours.

WATTS PER FOOT	LUMENS PER WATT	PER FOOT	85+CRI 22K, 35K, 40K, 57K	90+CRI 2K4K	92+CRI 27D, 30D	95+CRI 24K, 27K, 30K	RGB	RGB+W
2WDC (2.5WDC)	57	186	•			•		
3WDC (2.6WDC)	N/A	N/A					•	
5WDC (4.4WDC)	N/A	N/A	•	•	•	•		
6WDC (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

INCLUDED COMPONENTS

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

System	Watts Per Foot	Length in Feet	Color Temperature
VG	**2WDC**	**10FT**	**27K**

VG Verge Wall	**2WDC** 2.5 Watts	**5FT** 5'	**22K** 2200K Candle White	
	3WDC 2.6 Watts (35' Max)	**10FT** 10'	**24K** 2400K Very Warm White	
	5WDC 4.4 Watts (20' Max)	**15FT** 15'	**27K** 2700K Incandescent White	
	6WDC 6.3 Watts (15' Max)	**20FT** 20'	**27D** 2700K Warm Dim (5WDC Only)	
		25FT 25'	**30K** 3000K Warm White (Halogen)	
		30FT 30'	**30D** 3000K Warm Dim (Halogen, 5WDC only)	
		35FT 35'	**35K** 3500K Neutral White	
		40FT 40'	**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)	

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PROJECT   FIXTURE TYPE   DATE
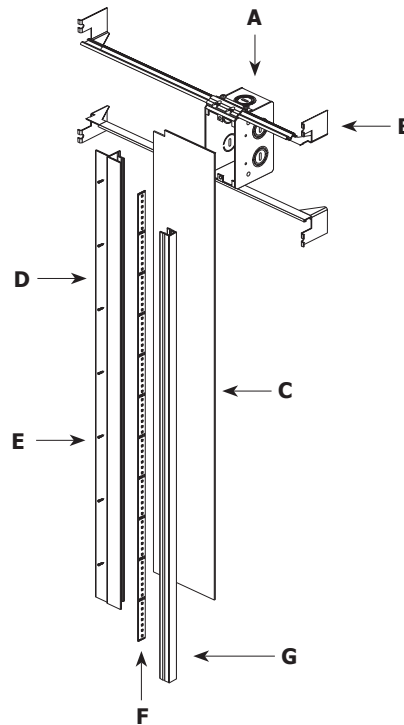
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INCLUDED COMPONENTS

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.

C. BACKER PLATE

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

D. VERGE CHANNEL

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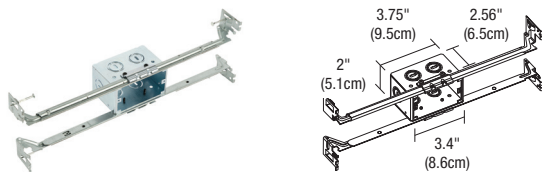
E. DRYWALL SCREWS

Secures channel to drywall and stud.

F. LED SOFT STRIP

Commercial-grade White or Dynamic Color Changing LED Soft Strip. See lamp data on for additional details.

G. LENS

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

JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with Verge Wall. 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 Wall		**1RE** 1" Rectangle		**JBOX** Junction Box	

PROJECT		FIXTURE TYPE		DATE	

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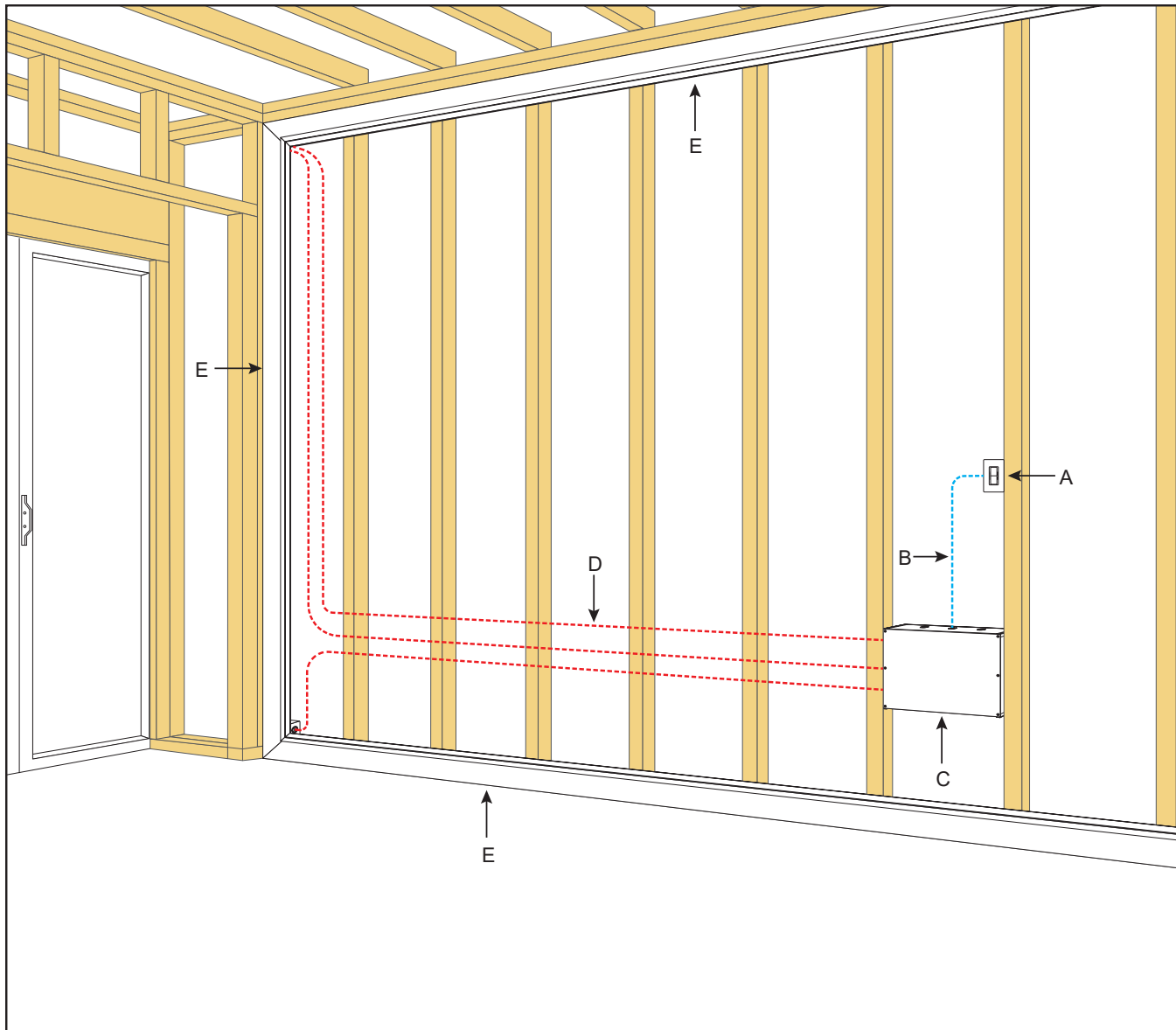
INSTALLATION

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 WALL CHANNEL

- 5/8" MIN. DRYWALL
- 4" VERGE BACKER PLATE
- LENS
- VERGE CHANNEL
- LED
- DRYWALL SCREW
- PLASTER
- STUD
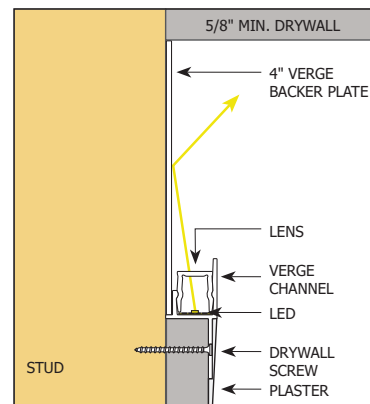
■ Direction of Light Cove Installation

PROJECT		FIXTURE TYPE		DATE	

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PURE EDGE
LIGHTING

VERGE WALL 24VDC - PLASTER-IN LED SYSTEM

REV.03.07.19

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

APPLICATION	0-10V dimming for Verge Wall
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
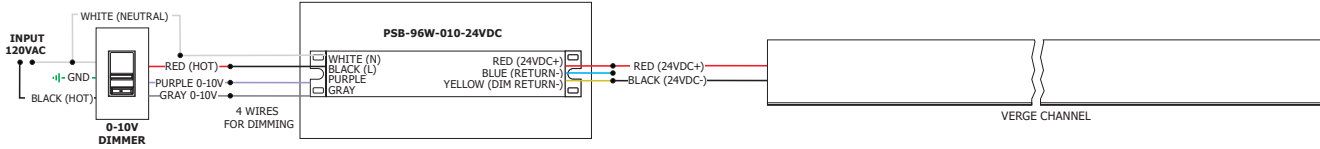
2.5 WATTS PER FOOT - 22K, 27K, 30K, 35K, 40K AND 57K WHITE LEDS

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, 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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VERGE WALL 24VDC - PLASTER-IN LED SYSTEM

TM-30-15 DATA

The data below is for SS5C and SS10C 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
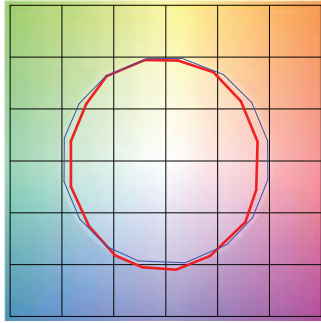
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	78.8	-9.5%	1.3%
2	80.7	-7.8%	6.7%
3	78.2	-3.3%	9.4%
4	89.7	-2.8%	3.6%
5	93.2	-0.8%	2.6%
6	93.0	-0.6%	-0.7%
7	87.7	-5.9%	-3.5%
8	89.2	-6.8%	1.9%
9	83.4	-5.6%	6.0%
10	79.3	-3.7%	10.8%
11	81.4	2.9%	11.1%
12	84.9	5.3%	4.9%
13	88.1	4.9%	-10.1%
14	68.1	0.1%	-19.5%
15	86.0	-3.3%	-7.3%
16	76.4	-8.9%	-11.7%

■ Test ■ Reference

2400K | Rf: 84.5 | Rg: 94.4
Color Vector Graphic
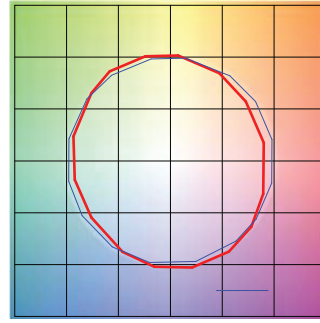
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	82.3	-8.3%	-1.4%
2	82.3	-7.7%	5.0%
3	78.6	-3.5%	9.7%
4	87.0	1.2%	7.4%
5	92.0	3.5%	5.1%
6	93.0	4.1%	-0.7%
7	87.7	-0.4%	-7.0%
8	91.1	-3.8%	-3.3%
9	88.2	-6.1%	-0.6%
10	83.4	-6.4%	6.3%
11	82.7	-1.5%	10.9%
12	84.7	3.2%	5.4%
13	88.9	5.1%	-4.7%
14	79.8	4.7%	-11.4%
15	86.4	0.2%	-8.6%
16	80.6	-5.9%	-11.6%

■ Test ■ Reference

2700K | Rf: 87.7 | Rg: 96.1
Color Vector Graphic
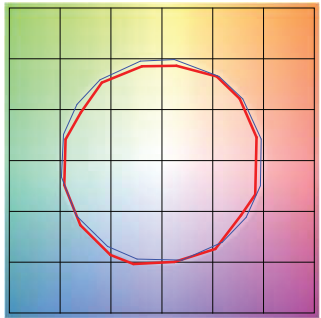
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

■ Test ■ Reference

3000K | Rf: 88.1 | Rg: 99.7
Color Vector Graphic
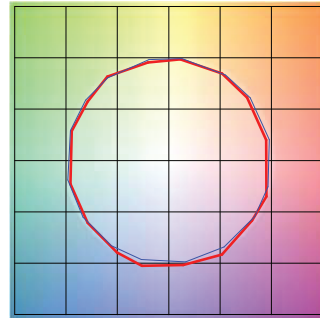
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

■ Test ■ Reference

3500K | Rf: 86.1 | Rg: 95.5
Color Vector Graphic
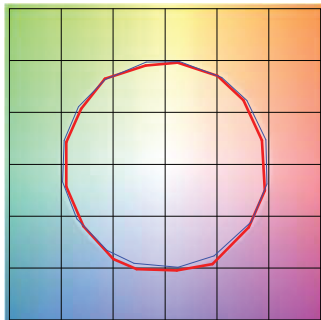
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

■ Test ■ Reference

4000K | Rf: 87.6 | Rg: 96.8
Color Vector Graphic
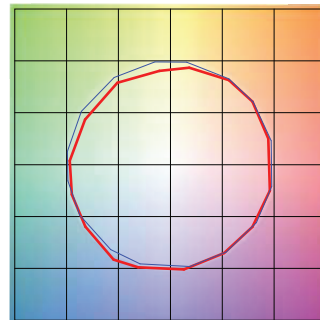
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

■ Test ■ Reference

PROJECT		FIXTURE TYPE		DATE	

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PURE EDGE
LIGHTING

VERGE WALL 24VDC - PLASTER-IN LED SYSTEM

REV.03.07.19

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

TM-30-15 DATA

The data below is for SS5C and SS10C 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.
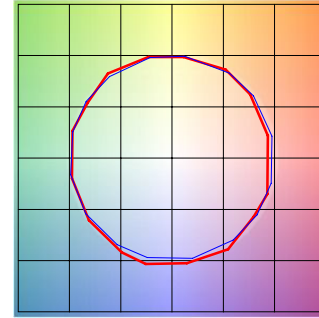
5700K | Rf: 80.3 | Rg: 91.5
Color Vector Graphic
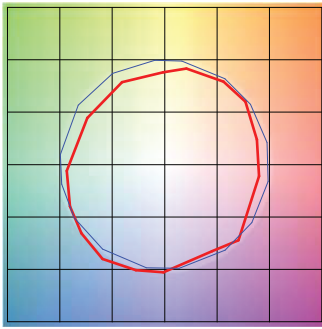
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	75.4	-8.9%	4.7%
2	87.5	-2.6%	4.6%
3	90.7	-3.0%	-0.5%
4	83.2	-6.0%	-5.7%
5	76.2	-12.9%	-5.3%
6	81.4	-11.9%	-2.6%
7	74.8	-14.0%	5.1%
8	69.0	-9.0%	14.1%
9	72.6	-3.6%	22.2%
10	71.4	2.7%	16.1%
11	81.3	7.9%	5.3%
12	83.6	4.1%	-9.4%
13	78.4	0.7%	-15.3%
14	77.7	-6.2%	-11.0%
15	68.8	-1.3%	-21.2%
16	80.8	-9.6%	3.3%

Test   Reference

2K4K (3000K) | 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%

Test   Reference

2000K ONLY (2K4K) | Rf: 84.3 | Rg: 96.9
Color Vector Graphic
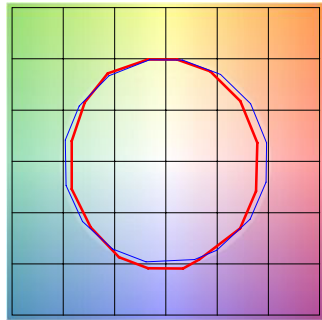
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15	79.7	-3.3%	-12.9%
16	78.1	-7.9%	-10.6%

Test   Reference

4000K ONLY (2K4K) | Rf: 89.6 | Rg: 99.1
Color Vector Graphic
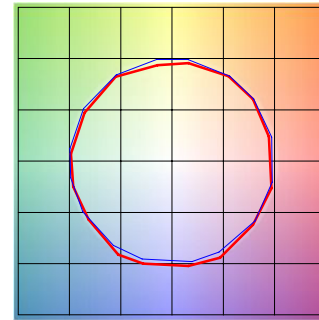
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.5%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%	-2.1%
15	87.4	0.4%	-4.3%
16	86.6	0.4%	-6.1%

Test   Reference

2700D | Rf: 89.5 | Rg: 100.8
Color Vector Graphic
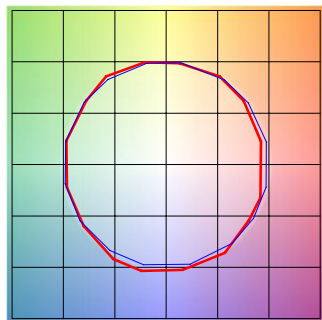
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.8	-5.1%	1.4%
2	89.8	-2.7%	4.1%
3	87.2	0.3%	5.9%
4	92.3	-0.9%	1.0%
5	93.3	1.5%	1.7%
6	92.4	3.6%	-0.2%
7	92.2	-0.9%	-2.4%
8	96.7	-0.4%	-1.1%
9	92.3	-1.2%	3.7%
10	88.9	-0.0%	6.1%
11	86.4	5.1%	7.4%
12	88.2	6.3%	-0.9%
13	87.2	3.8%	-8.1%
14	84.2	3.8%	-11.0%
15	89.8	-2.6%	-4.3%
16	82.7	-3.4%	-11.1%

Test   Reference

3000D | Rf: 89.8 | Rg: 101.4
Color Vector Graphic
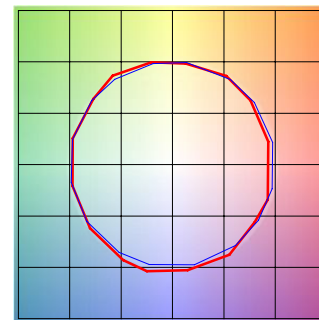
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.2	-4.2%	1.5%
2	90.9	-2.0%	3.7%
3	87.9	0.8%	5.5%
4	92.1	-0.9%	0.6%
5	93.0	1.5%	1.6%
6	92.2	3.9%	-0.2%
7	92.1	-0.3%	-2.0%
8	96.7	0.0%	-1.2%
9	92.5	-0.6%	3.7%
10	88.3	1.1%	7.0%
11	87.2	4.1%	7.4%
12	87.2	6.7%	-1.0%
13	88.2	3.8%	-7.2%
14	85.3	4.3%	-9.9%
15	90.9	-2.2%	-3.6%
16	83.4	-2.2%	-11.2%

Test   Reference

PROJECT		FIXTURE TYPE		DATE	

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

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