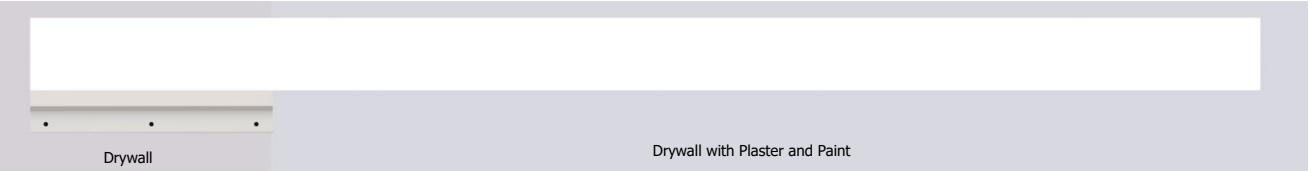
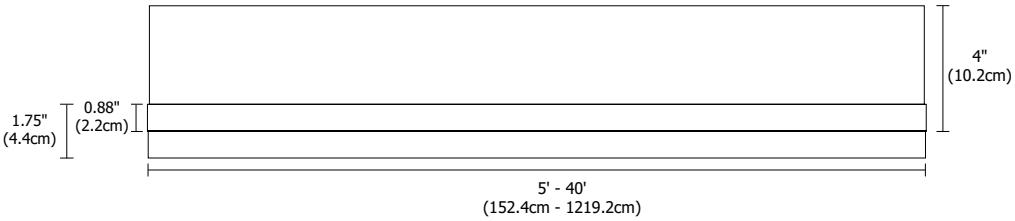
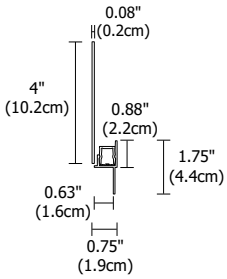
Verge Corner, 24VDC Plaster-In LED system

VGCO-_-_-_

ASSEMBLED IN THE U.S.A.







Description: Verge Corner, a Slim, plaster-in aluminum channel with 4 inch paintable aluminum backer plate Highlights the corner of two drywall surfaces while emitting ambient illumination. The 24VDC linear LED system mounts directly to studs without joist modification and plasters into 5/8 inch or thicker drywall. Verge Corner is sold in 5 foot increments up to 40 feet and may be field-cut to any length. Several color temperature options are available, including 22K – 57K (ELV/010), Warm Dim (ELV), Tunable White (ELV/010/DMX), RGB and RGBW (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 Corner can be installed on multiple surfaces that form inside corners, as well as in coves, windows or skylights. Ambient and harmonious, the plaster-in LED system blends into 5/8 inch 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	Lumens per Foot	85+CRI 22K, 35K, 40K, 57K	90+CRI 2K4K	92+CRI 27D, 30D	95+CRI 27K, 30K	RGB	RGBW
5WDC (2x2.5W)	**57**	**372**	●			●		
6WDC (2x3W)	**N/A**	**N/A**					●	
10WDC (2x5W)	**N/A**	**N/A**	●	●	●	●		
12WDC (2x6W)	**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: (2) Junction Box, Adjustable Mounting Bars, (2) Backer Plates, (2) Verge Corner Channels, Drywall Screws, (2) LED Soft Strips, and (2) Lenses

ORDERING CODE

System		Watts per Foot		Length in Feet		Color Temperature
VGCO	-	**2WDC**	-	**10FT**	-	**27K**

VGCO Verge Corner

5WDC 2 x 2.5 Watts
6WDC 2 x 3 Watts (35 foot max)
10WDC 2 x 5 Watts (20 foot max)
12WDC 2 x 6 Watts (15 foot max)

5FT 5 Feet
10FT 10 Feet
15FT 15 Feet
20FT 20 Feet
25FT 25 Feet
30FT 30 Feet
35FT 35 Feet
40FT 40 Feet

22K 2200K Amber White
27K 2700K Very Warm White
27D 2700K Warm Dim (10WDC only)
30K 3000K Warm White
30D 3000K Warm Dim (10WDC only)
35K 3500K Neutral White
40K 4000K Cool White
57K 5700K Daylight White
2K4K 2000K-4000K Tunable White (10WDC only)
RGB Red, Green, and Blue (6WDC only)
RGBW Red, Green, Blue, and 2000K White (12WDC only

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

COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

Product specification subject to change without notification. REV.04.06.17

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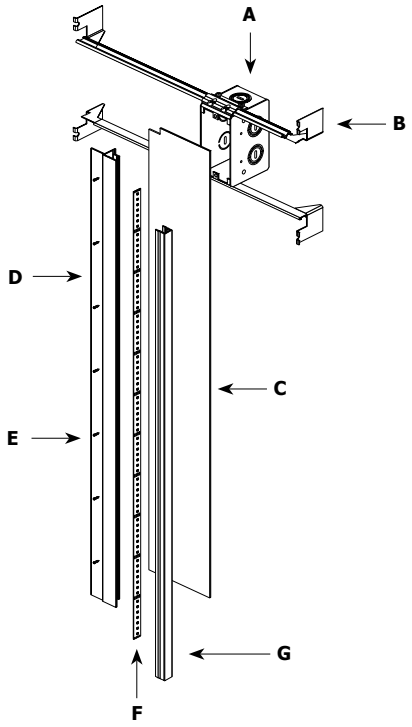
INCLUDED COMPONENTS



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. Verge Corner includes two sets of mounting hardware.

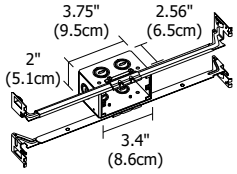
C. Backer Plate: 4-inch paintable aluminum plate that conceals Junction Box and reflects light. Verge Corner includes two backer plates.

D. Verge Channel: 5/8 inch deep extrusions each house a single row of commercial-grade white or dynamic color-changing LED Soft Strip. Verge Corner includes two channels.

E. Drywall Screws: Secure 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: .6 inch wide diffuser lens projects a clean line of light without LED dots. Verge Corner includes two lenses.



Rough-In Component

Junction Box: 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 Wall		**1RE** 1" Rectangle		**JBOX** Junction Box

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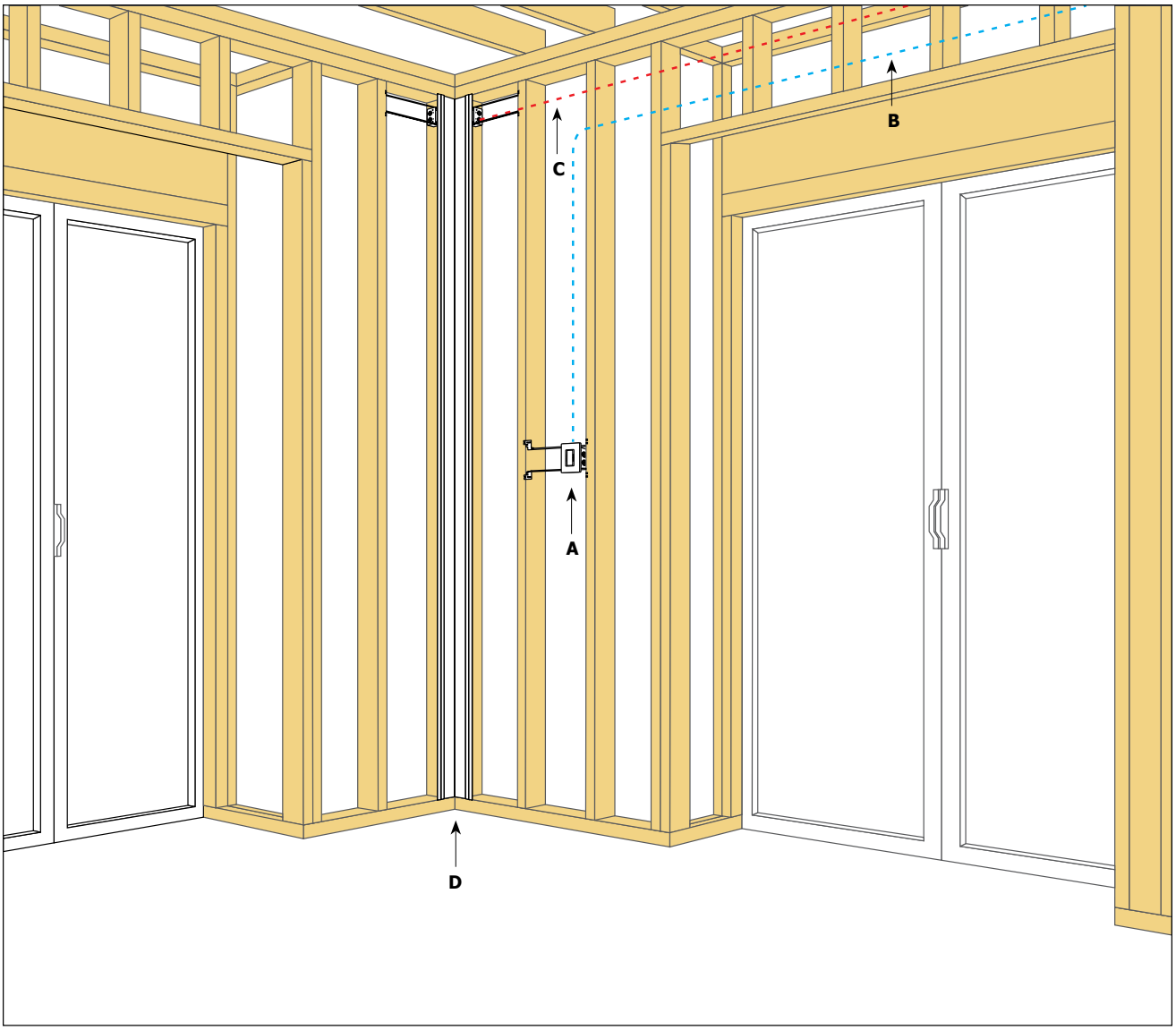
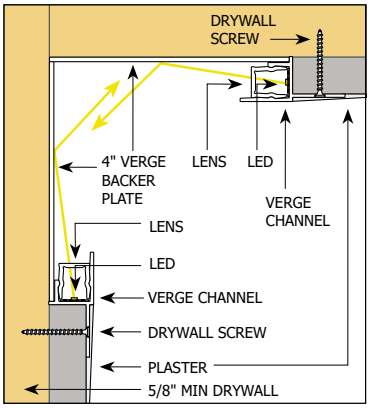
INSTALLATION



A. Dimmer or Switch
B. 120VAC wiring to 120V/24VDC remote power supply for In-Wall Mounting Kit
C. 24VDC, Class 2 wiring
D. Verge Corner Channel



Direction of Light

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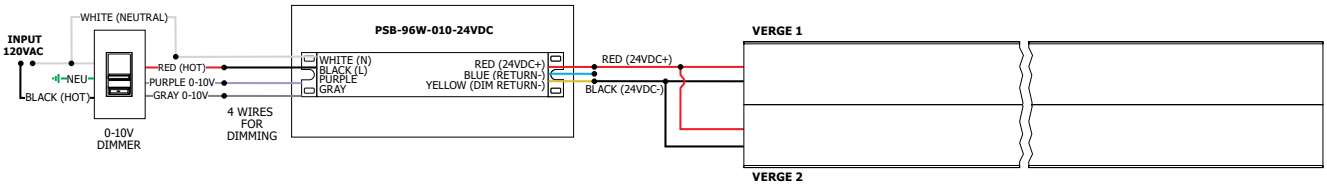
Application: 0-10V dimming for Verge Corner

Power Supply: PSB-96W-010-24VDC (24VDC 96W 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 X 2.5 WATTS PER FOOT - 22K, 27K, 27D, 30K, 30D, 35K, 40K AND 57K WHITE LEDS

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

LENGTH IN FEET	WATTS
11	2 x 27
12	2 x 29
13	2 x 32
14	2 x 34
15	2 x 37
16	2 x 39
17	2 x 41
18	2 x 44
19	2 x 46
20	2 x 48

LENGTH IN FEET	WATTS
21	2 x 51
22	2 x 54
23	2 x 56
24	2 x 58
25	2 x 61
26	2 x 63
27	2 x 66
28	2 x 68
29	2 x 70
30	2 x 73

LENGTH IN FEET	WATTS
31	2 x 75
32	2 x 78
33	2 x 80
34	2 x 82
35	2 x 85
36	2 x 87
37	2 x 90
38	2 x 92
39	2 x 94
40	2 x 96

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

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

LENGTH IN FEET	WATTS
6	2 x 29
7	2 x 34
8	2 x 38
9	2 x 43
10	2 x 48

LENGTH IN FEET	WATTS
11	2 x 53
12	2 x 58
13	2 x 63
14	2 x 67
15	2 x 72

LENGTH IN FEET	WATTS
16	2 x 77
17	2 x 82
18	2 x 87
19	2 x 91
20	2 x 96

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2 X 5 WATTS PER FOOT - 2K4K TUNABLE WHITE LEDS

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

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

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

2 X 3 WATTS PER FOOT - RGB LEDS

LENGTH IN FEET	WATTS
1	2 x 3
2	2 x 6
3	2 x 8
4	2 x 11
5	2 x 13
6	2 x 16
7	2 x 19
8	2 x 21
9	2 x 24

LENGTH IN FEET	WATTS
10	2 x 26
11	2 x 29
12	2 x 32
13	2 x 34
14	2 x 37
15	2 x 39
16	2 x 42
17	2 x 45
18	2 x 47

LENGTH IN FEET	WATTS
19	2 x 50
20	2 x 52
21	2 x 55
22	2 x 58
23	2 x 60
24	2 x 63
25	2 x 65
26	2 x 68
27	2 x 71

LENGTH IN FEET	WATTS
28	2 x 73
29	2 x 76
30	2 x 78
31	2 x 81
32	2 x 84
33	2 x 86
34	2 x 89
35	2 x 91

2 X 6 WATTS PER FOOT - RGBW LEDS

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

LENGTH IN FEET	WATTS
5	2 x 30
6	2 x 36
7	2 x 42
8	2 x 48

LENGTH IN FEET	WATTS
9	2 x 54
10	2 x 60
11	2 x 66
12	2 x 72

LENGTH IN FEET	WATTS
13	2 x 78
14	2 x 84
15	2 x 90
16	2 x 96

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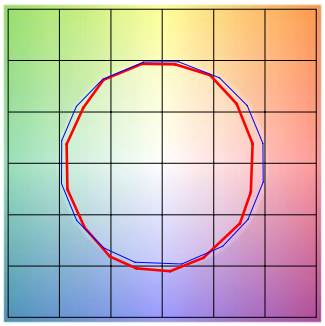
TM-30-15 DATA: The data below is for SS5C and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2200K | Rf: 83.9 | Rg: 94.9

COLOR VECTOR GRAPHIC

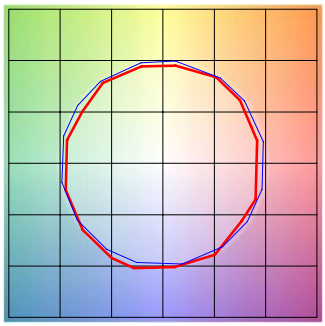


Test Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	77.6	-10.0%	1.8%
2	80.7	-7.5%	7.0%
3	79.5	-2.9%	8.9%
4	90.5	-3.1%	2.4%
5	93.9	-1.3%	1.9%
6	91.9	-0.9%	-0.2%
7	87.6	-6.3%	-2.7%
8	90.5	-5.4%	2.7%
9	83.8	-4.7%	6.5%
10	81.2	-2.5%	10.0%
11	83.3	3.9%	9.4%
12	86.4	5.6%	2.6%
13	86.2	4.5%	-12.4%
14	64.3	-1.0%	-21.9%
15	85.1	-4.4%	-7.5%
16	75.0	-9.9%	-12.0%

2700K | Rf: 87.7 | Rg: 96.1

COLOR VECTOR GRAPHIC

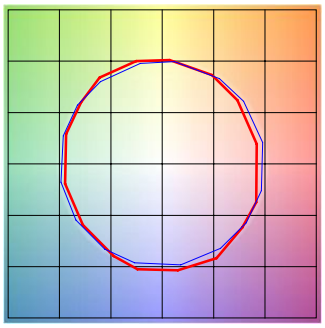


Test Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	86.4	-5.6%	2.3%
2	89.7	-3.3%	3.1%
3	90.5	-1.5%	3.8%
4	90.0	-4.3%	1.1%
5	92.9	-3.7%	0.2%
6	93.5	-2.5%	-0.8%
7	86.3	-7.2%	2.5%
8	90.7	-4.0%	3.2%
9	85.2	-2.4%	8.1%
10	81.7	0.9%	10.8%
11	85.4	4.5%	8.9%
12	88.7	5.7%	-1.4%
13	88.3	1.3%	-7.9%
14	85.1	2.4%	-10.4%
15	88.1	-4.8%	-2.7%
16	81.7	-4.3%	-10.9%

3000K | Rf: 88.1 | Rg: 99.7

COLOR VECTOR GRAPHIC

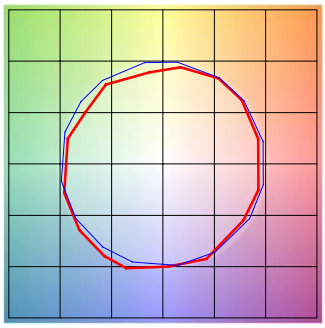


Test Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	87.7	-5.9%	-0.3%
2	87.9	-4.4%	4.3%
3	82.9	-1.2%	7.9%
4	89.9	0.6%	4.7%
5	92.7	3.0%	3.5%
6	92.7	3.6%	-1.7%
7	90.8	-1.3%	-4.4%
8	93.7	-2.5%	-2.2%
9	91.7	-3.7%	2.3%
10	85.5	-2.8%	7.8%
11	83.3	0.7%	11.0%
12	86.4	5.5%	3.8%
13	90.6	4.6%	-3.6%
14	85.6	5.9%	-8.4%
15	89.5	-0.6%	-5.7%
16	82.6	-2.7%	-12.0%

3500K | Rf: 86.1 | Rg: 95.5

COLOR VECTOR GRAPHIC

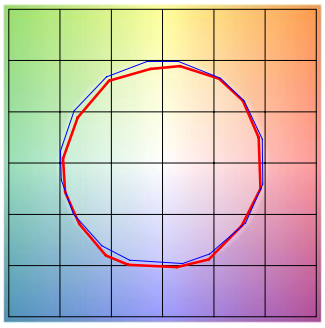


Test Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	86.6	-4.2%	3.4%
2	91.7	-1.4%	1.8%
3	94.9	-0.7%	0.4%
4	87.9	-4.5%	-4.1%
5	85.9	-10.3%	-2.7%
6	89.8	-5.2%	-0.4%
7	79.6	-9.5%	6.5%
8	87.6	-4.0%	5.7%
9	81.4	-0.5%	11.8%
10	78.3	3.3%	11.4%
11	85.7	6.3%	6.1%
12	86.3	7.1%	-4.6%
13	86.1	-0.7%	-9.6%
14	85.1	0.8%	-10.4%
15	83.4	-4.1%	-5.3%
16	82.5	-3.6%	-5.7%

4000K | Rf: 87.6 | Rg: 96.8

COLOR VECTOR GRAPHIC

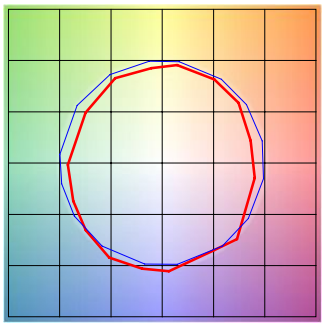


Test Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	89.0	-3.1%	2.1%
2	93.2	-0.9%	1.3%
3	94.3	-1.1%	0.7%
4	89.5	-4.0%	-2.3%
5	87.6	-7.8%	-1.8%
6	92.2	-4.6%	0.1%
7	87.4	-6.6%	3.6%
8	85.7	-3.8%	7.0%
9	81.5	-1.3%	12.4%
10	80.0	0.9%	11.4%
11	83.3	5.9%	8.7%
12	89.7	4.8%	-0.3%
13	88.5	2.4%	-6.3%
14	92.7	4.0%	-3.8%
15	86.1	-1.6%	-4.5%
16	85.0	-1.4%	-5.0%

5700K | Rf: 80.3 | Rg: 91.5

COLOR VECTOR GRAPHIC



Test Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	73.8	-11.2%	2.6%
2	83.7	-5.5%	5.8%
3	84.2	-4.0%	5.5%
4	85.8	-3.5%	1.3%
5	85.3	-7.1%	0.6%
6	89.2	-5.8%	-2.2%
7	81.5	-10.7%	1.2%
8	75.7	-9.7%	8.5%
9	74.9	-7.8%	18.8%
10	67.8	-1.6%	18.0%
11	76.1	5.5%	12.0%
12	90.8	4.9%	-1.6%
13	83.6	5.0%	-9.5%
14	81.7	-1.2%	-10.0%
15	69.0	2.0%	-22.8%
16	83.2	-8.5%	-1.0%

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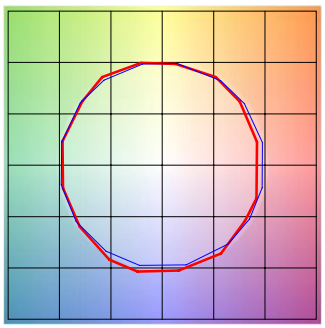
VGCO-_-_-_

ASSEMBLED IN THE U.S.A.

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.

2700D | Rf: 89.5 | Rg: 100.8

COLOR VECTOR GRAPHIC

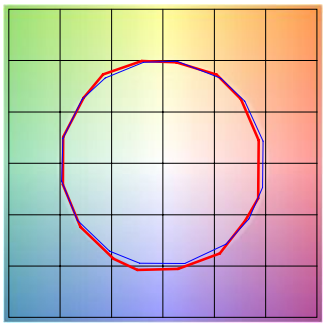


Test Reference

		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%

3000D | Rf: 89.8 | Rg: 101.4

COLOR VECTOR GRAPHIC

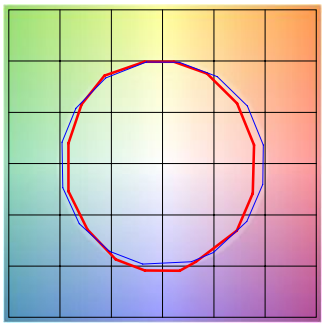


Test Reference

		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%

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

COLOR VECTOR GRAPHIC

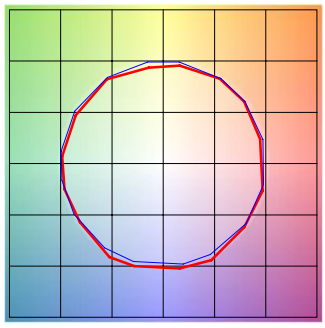


Test Reference

		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

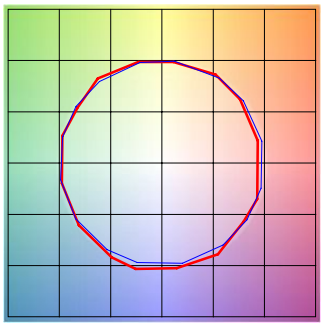


Test Reference

		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%

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

COLOR VECTOR GRAPHIC



Test Reference

		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%

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COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			