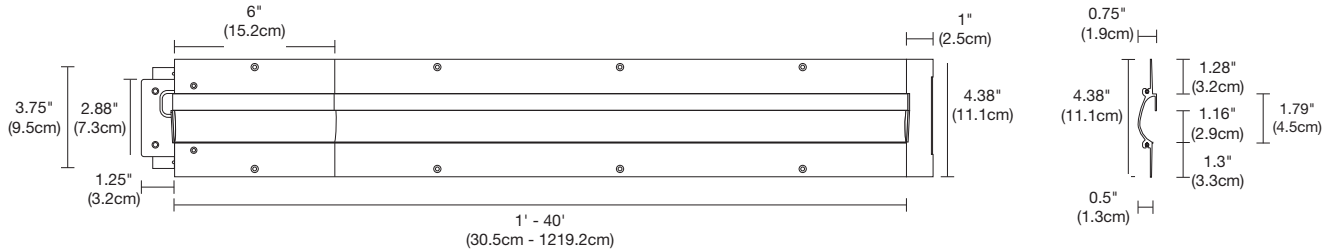


REVEAL COVE / PATHWAY 24VDC - PLASTER-IN LED SYSTEM

REV.09.25.18

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA



DESCRIPTION

Reveal, a 24VDC linear LED system, features a shallow, plaster-in aluminum extrusion no thicker than drywall. The system may be secured directly to studs without joist modification and plasters into 0.5" or thicker drywall, or between studs with mounting clips provided. Sold in 1' increments up to 40' (2WDC), 36' (3WDC), 16' (6WDC), 12' (7WDC), or 10' (10WDC) and may be field-cut 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

Reveal projects an indirect glow onto ceilings or floors to provide a glare-free solution for both cove or pathway lighting applications. The 2.5 Watt Reveal is ideal for pathway applications. For Cove, use 5, 7.5, or 10 Watt Reveal.

APPLICATIONS

Indoor damp or dry locations only. Toe-Kicks and Cove lighting for Office, Residential, Retail, Hospitality, and Institutions.

LAMP

The average LED Life is 50,000 hours.

WATTS PER FOOT	LUMENS		CRI				RGB	RGB+W
	PER WATT	PER FOOT	85+	90+	92+	95+		
2WDC (2.5WDC)	55	179	•			•		
3WDC	N/A	N/A					•	
5WDC	46	246	•	•	•	•		
6WDC	N/A	N/A					•	
7WDC (7.5WDC)	52	453	•			•		
10WDC	50	580	•	•		•		

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, Reveal Channel(s), Power Feed End Cap, Junction Box Cover, Dead End Cap, Take-Up Box, Drywall Screws, and LED Soft Strip

REVEAL

System	Watts Per Foot	Length in Feet	Color Temperature
RV Reveal	2WDC 2.5 Watts 5WDC 5 Watts 7WDC 7.5 Watts 10WDC 10 Watts	40FT 2WDC 1-20FT 5WDC 1-12FT 7WDC 1-10FT 10WDC	27K 2200K Amber White 27K 2700K Very Warm White 27D 2700K Warm Dim (5WDC Only) 30K 3000K Warm White 30D 3000K Warm Dim (5WDC Only) 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White 2K4K 2000K - 4000K Tunable White (5WDC & 10WDC only)

REVEAL RGB

System	Watts Per Foot	Length in Feet	Color Temperature
RV Reveal	3WDC 3 Watts 5WDC 5 Watts 6WDC 6 Watts	36FT 3WDC 1-20FT 5WDC 1-12FT 6WDC	RGB Red, Green, and Blue RGBW Red, Green, Blue, and 2000K White (6WDC only)

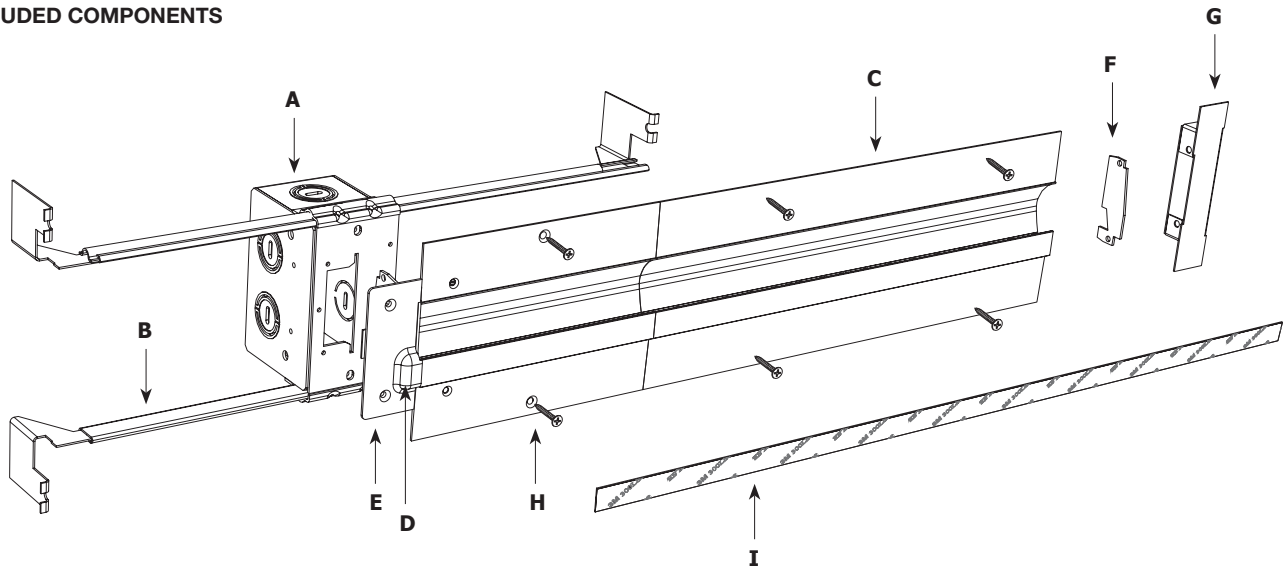
PROJECT		FIXTURE TYPE		DATE	
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REVEAL COVE / PATHWAY 24VDC - PLASTER-IN LED SYSTEM

REV.09.25.18

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars, and includes a drywall template for accurate installation. Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is concealed with the Reveal Junction Box cover and is required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces.

C. REVEAL CHANNEL

0.5" deep extrusion houses a single row of commercial-grade White or Synamic Color Changing LED Soft Strip.

D. POWER FEED END CAP

Provides a connection area for 24VDC wires at beginning of run where LED Soft Strip enters channel.

E. JUNCTION BOX COVER

Conceals Junction Box opening. Required at the beginning of each run.

F. DEAD END CAP PLATE

Provides a finished look and prevents light leak at feed-end of run where LED Soft Strip exits channel.

G. TAKE-UP BOX

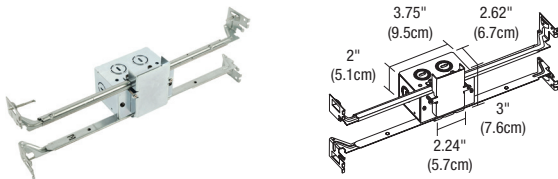
Prevents dark spots at end of run by tucking excess LED Soft Strip safely behind wall.

H. DRYWALL SCREWS

Secure channel to drywall and stud.

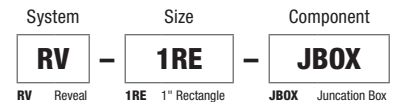
I. LED SOFT STRIP

(Back Side shown) commercial-grade White or Dynamic Color Changing LED Soft Strip. See lamp data on for additional details.



JUNCTION BOX ROUGH-IN COMPONENT

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



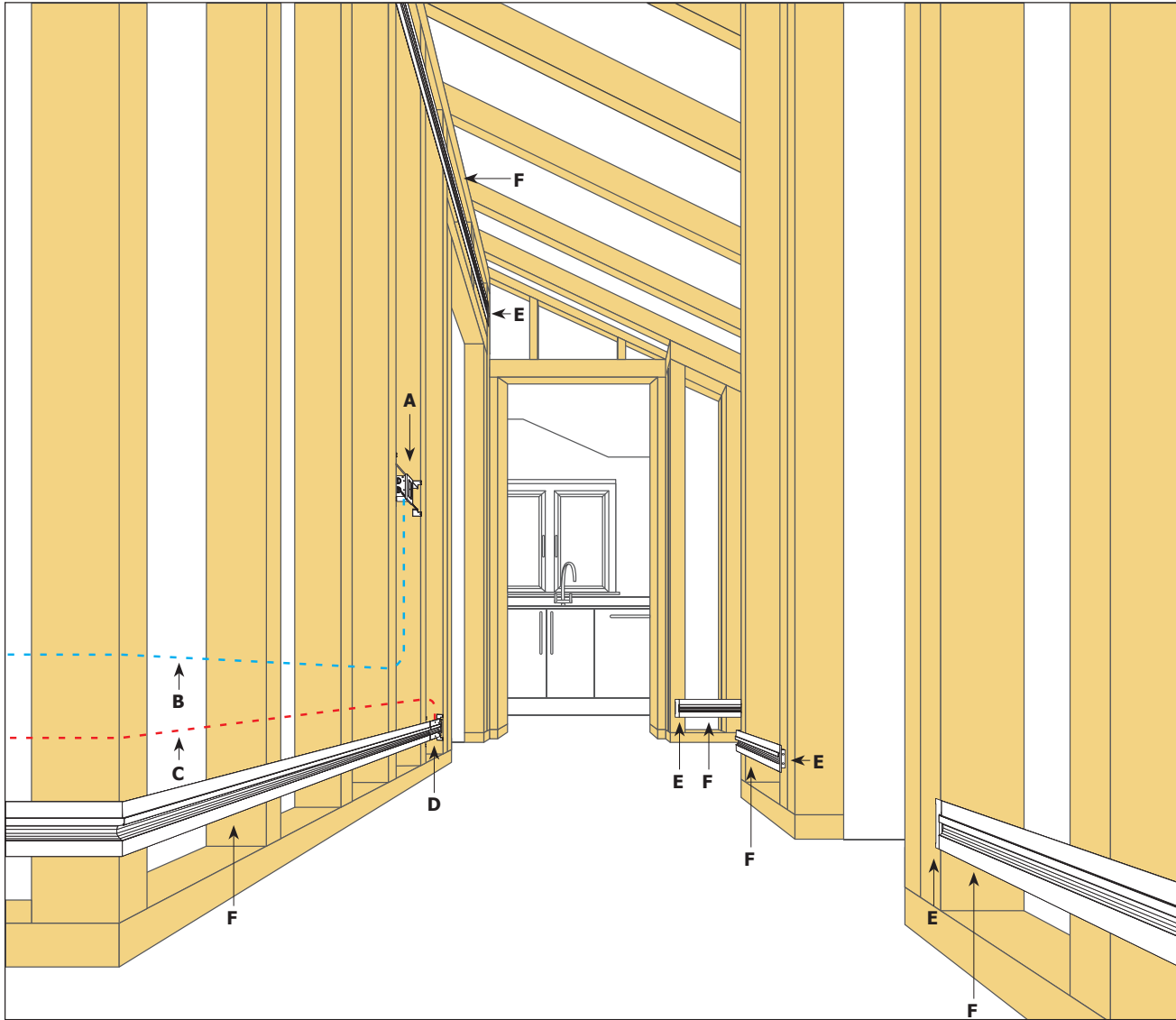
PROJECT	FIXTURE TYPE	DATE
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REVEAL COVE / PATHWAY 24VDC - PLASTER-IN LED SYSTEM

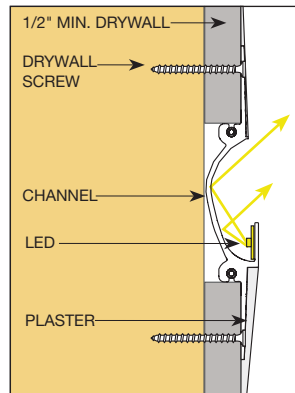
REV.09.25.18

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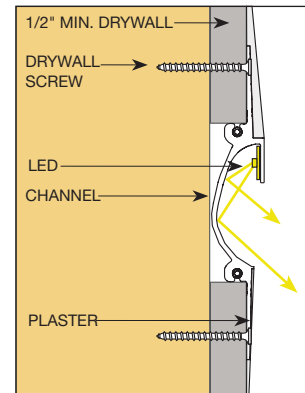
INSTALLATION



- A. DIMMER OR SWITCH**
- B. 120VAC WIRING TO 120V/24VDC REMOTE POWER SUPPLY, FOR IN-WALL MOUNTING KIT**
- C. 24VDC, CLASS 2 WIRING**
- D. END FEED POWER CONNECTOR WITH JUNCTION BOX**
- E. TAKE-UP BOX**
- F. REVEAL CHANNEL**



Direction of Light
Cove Up-Light



Direction of Light
Pathway Down-Light

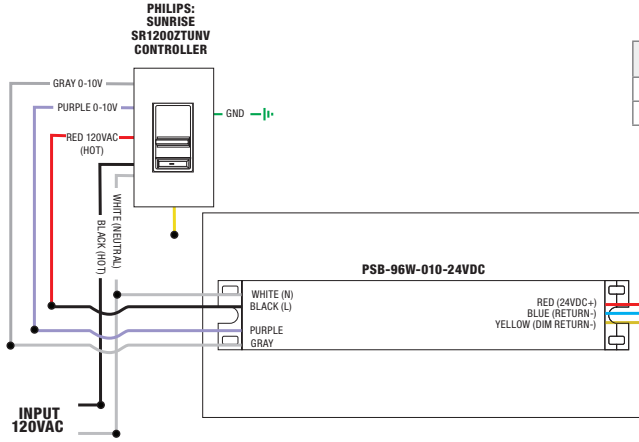
PROJECT	FIXTURE TYPE	DATE
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REVEAL COVE / PATHWAY 24VDC - PLASTER-IN LED SYSTEM

REV.09.25.18

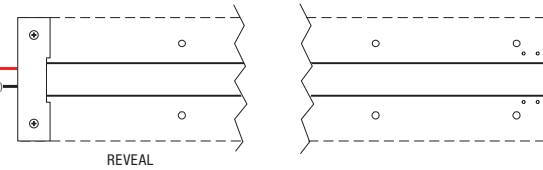
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- APPLICATION** 0-10V dimming for Reveal
- POWER SUPPLY** PSB-96W-010-24VDC (24VDC 96W output) | PSB-2X96W-010-24VDC (24VDC 2X96W output)
- DIMMING** Radio Ra2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T; Philips: Sunrise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

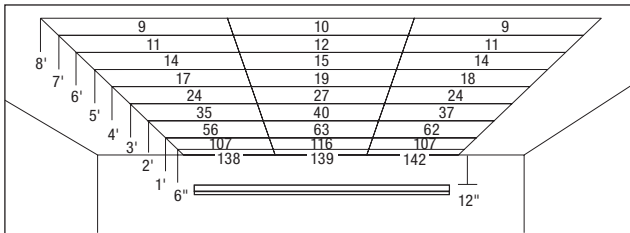


96W, 24VDC LOW VOLTAGE WIRE SIZE CHART: 3% VOLTAGE DROP

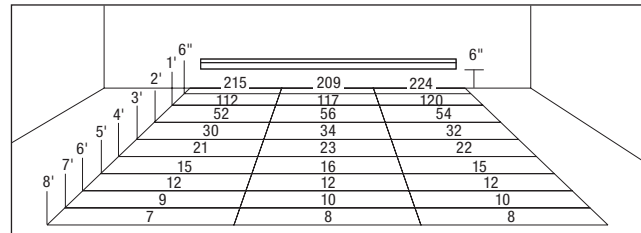
WIRE LENGTH (FT)	UP TO 33FT	34FT-52FT	53FT-86FT	87FT-130FT
WIRE SIZE	14 AWG	12 AWG	10 AWG	8 AWG
VOLTAGE AT END OF WIRE	23.28VDC	23.29VDC	23.28VDC	23.28VDC



REVEAL COVE FOOT CANDLE DISTRIBUTION SHOWN WITH 5 WATT, 3000K VERSION



REVEAL PATHWAY FOOT CANDLE DISTRIBUTION SHOWN WITH 2.5 WATT, 3000K VERSION



PROJECT		FIXTURE TYPE		DATE	
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REVEAL COVE / PATHWAY 24VDC - PLASTER-IN LED SYSTEM

REV.09.25.18

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2.5 WATTS PER FOOT - 22K, 27K, 30K, 35K, 40K AND 57K WHITE LEDS

LENGTH IN FEET	WATTS
1	3
2	5
3	8
4	10
5	13
6	15
7	17
8	20
9	22
10	24

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

LENGTH IN FEET	WATTS
21	51
22	54
23	56
24	58
25	61
26	63
27	66
28	68
29	70
30	72

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

5 WATTS PER FOOT - 22K, 27K, 27D, 30K, 30D, 35K, 40K, 57K AND 2K4K LEDS

LENGTH IN FEET	WATTS
1	5
2	10
3	16
4	20
5	24

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

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

7.5 WATTS PER FOOT - 22K, 27K, 30K, 35K, 40K AND 57K WHITE LEDS

LENGTH IN FEET	WATTS
1	8
2	15
3	23

LENGTH IN FEET	WATTS
4	30
5	38
6	45

LENGTH IN FEET	WATTS
7	53
8	60
9	68

LENGTH IN FEET	WATTS
10	75
11	83
12	90

10 WATTS PER FOOT - 22K, 27K, 30K, 35K, 40K, 57K AND 2K4K LEDS

LENGTH IN FEET	WATTS
1	10
2	20
3	30

LENGTH IN FEET	WATTS
4	40
5	50
6	60

LENGTH IN FEET	WATTS
7	70
8	80
9	90

LENGTH IN FEET	WATTS
10	100

3 WATTS PER FOOT - RGB LEDS

LENGTH IN FEET	WATTS
1	3
2	5
3	8
4	10
5	13
6	16
7	18
8	21
9	23

LENGTH IN FEET	WATTS
10	26
11	29
12	31
13	36
14	37
15	39
16	42
17	44
18	47

LENGTH IN FEET	WATTS
19	49
20	52
21	55
22	57
23	60
24	62
25	65
26	68
27	70

LENGTH IN FEET	WATTS
28	73
29	75
30	78
31	81
32	83
33	86
34	88
35	91
36	94

5 WATTS PER FOOT - RGB LEDS

LENGTH IN FEET	WATTS
1	5
2	10
3	16
4	19
5	24

LENGTH IN FEET	WATTS
6	29
7	34
8	36
9	43
10	48

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

6 WATTS PER FOOT - RGBW LEDS

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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REVEAL COVE / PATHWAY 24VDC - PLASTER-IN LED SYSTEM

REV.09.25.18

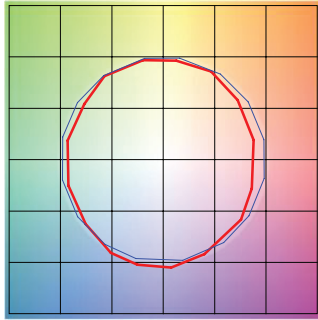
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

TM-30-15 DATA

The data below is for 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

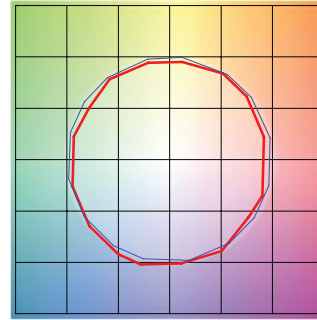


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

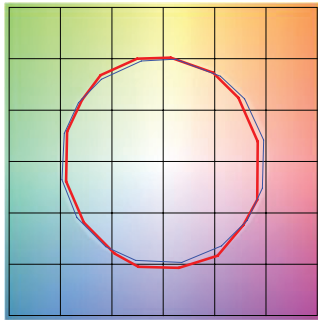


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

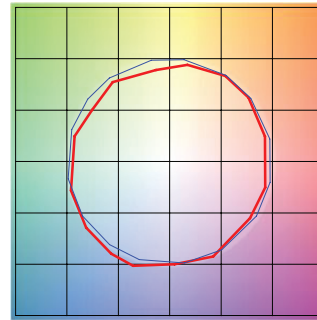


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

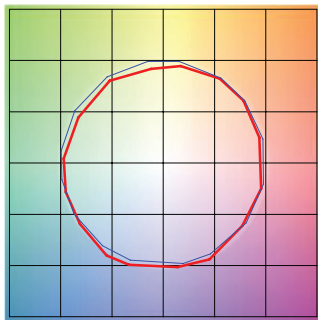


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

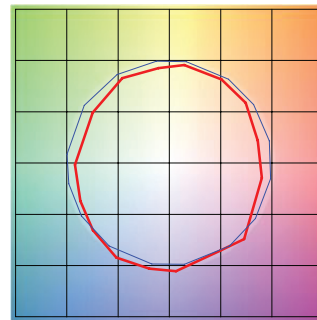


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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%

PROJECT		FIXTURE TYPE		DATE	
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REVEAL COVE / PATHWAY 24VDC - PLASTER-IN LED SYSTEM

REV.09.25.18

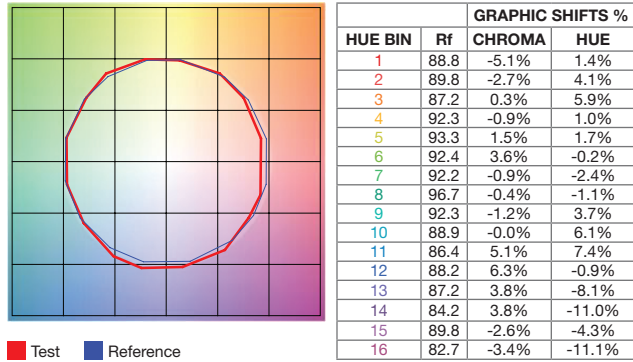
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

TM-30-15 DATA

The data below is for 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.

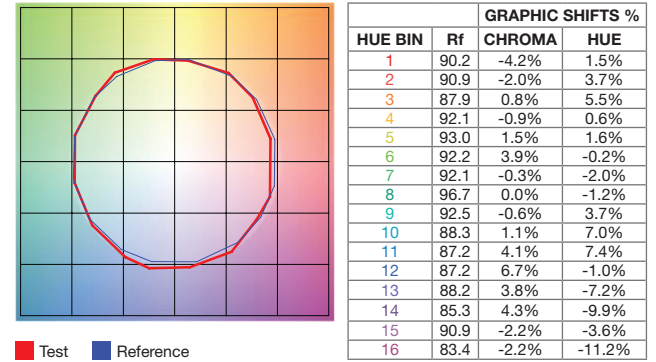
2700D | Rf: 89.5 | Rg: 100.8

Color Vector Graphic



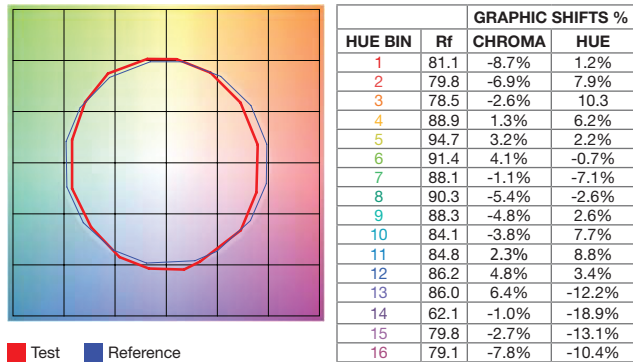
3000D | Rf: 89.8 | Rg: 101.4

Color Vector Graphic



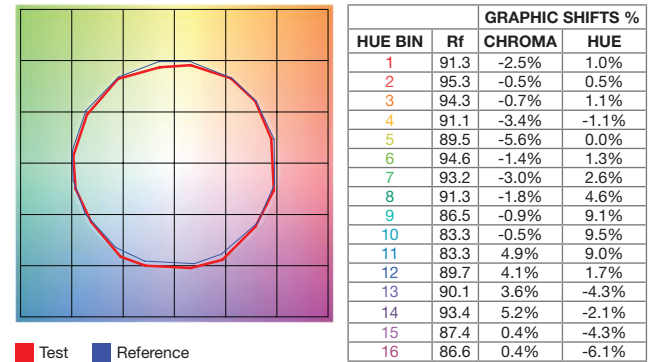
2000K ONLY (2K4K) | Rf: 84.8 | Rg: 97.9

Color Vector Graphic



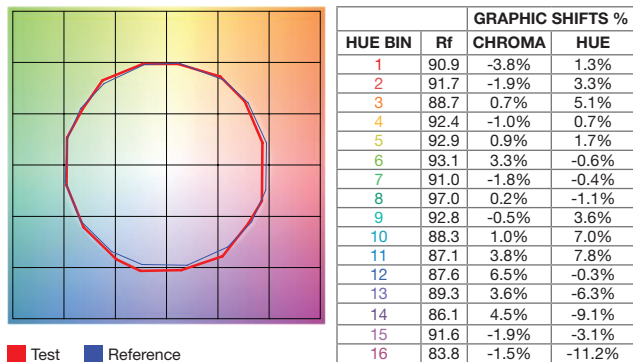
4000K ONLY (2K4K) | Rf: 89.6 | Rg: 99.1 | CRI: 87

Color Vector Graphic



2K4K (3000K) | Rf: 90.2 | Rg: 101.4 | CRI: 90+

Color Vector Graphic



PROJECT		FIXTURE TYPE		DATE	
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