Reveal Wall Wash, 24VDC Plaster-In LED system

RVWW-_-_-_-_

Drywall

Drywall with Plaster and Paint

6" (15.2cm)
1.2" (3cm)
3" (7.6cm)
3.75" (9.5cm)
2" (5.1cm)
3.04" (7.7cm)
3.48" (8.8cm)
1" (2.5cm)
0.63" (1.6cm)
1.29" (3.3cm)
3.48" (8.8cm)
0.87" (2.2cm)
1' - 20' (30.5cm - 609.6cm)

Description: Reveal Wall Wash, 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 5/8 inch thick drywall, or between studs with mounting clips provided. Sold in 1 foot increments up to 20 feet (5WDC), 16 feet (6WDC), 12 feet (7WDC), or 10 feet (10WDC) 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: Reveal Wall Wash is an ideal wall washing solution for contemporary spaces. Multiple runs of channel mount seamlessly together, and may wrap inside corners to wash surrounding walls with uniform controlled illumination up to 95+CRI. Reveal Wall Wash projects uniform illumination and allows for seamless runs along the contour of inside or outside corners.

Applications: Indoor damp or dry locations only. Wall Wash, general and retail applications.

Finishes:

SA Satin Aluminum

WH White

Lamp: The average LED Life is 50,000 hours

WATTS Per Foot	FINISH	LUMENS		85+CRI 22K, 35K, 40K, 57K	90+CRI 2K4K	92+CRI 27D, 30D	95+CRI 27K, 30K	RGB	RGBW
		Per Watt	Per Foot						
5WDC	SA/WH	51	210	•	•	•	•	•	
6WDC	SA/WH	N/A	N/A						•
7WDC (7.5WDC)	SA/WH	48	320	•			•		
10WDC	SA	35	371	•			•		
10WDC	WH	42	529	•	•		•		

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 Wall Wash Channel(s), Power Feed End Cap, Junction Box Cover, Dead End Cap, Take-Up Box, Drywall Screws, LED Soft Strip, and Lens(es).

ORDERING CODE

System	Watts Per Foot	Length in Feet	Color Temperature	Reflector Finish
RVWW	**5WDC**	**20FT**	**27K**	**SA**

RVWW	Reveal Wall Wash		

5WDC	5 Watts	1-20FT	5WDC
6WDC	6 Watts	1-16FT	6WDC
7WDC	7.5 Watts	1-12FT	7WDC
10WDC	10 Watts	1-10FT	10WDC

22K	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)
RGB	Red, Green, Blue (5WDC only)
RGBW	Red, Green, Blue, 2000K White (6WDC only)

SA	Satin Aluminum
WH	White

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

PURE LIGHTING

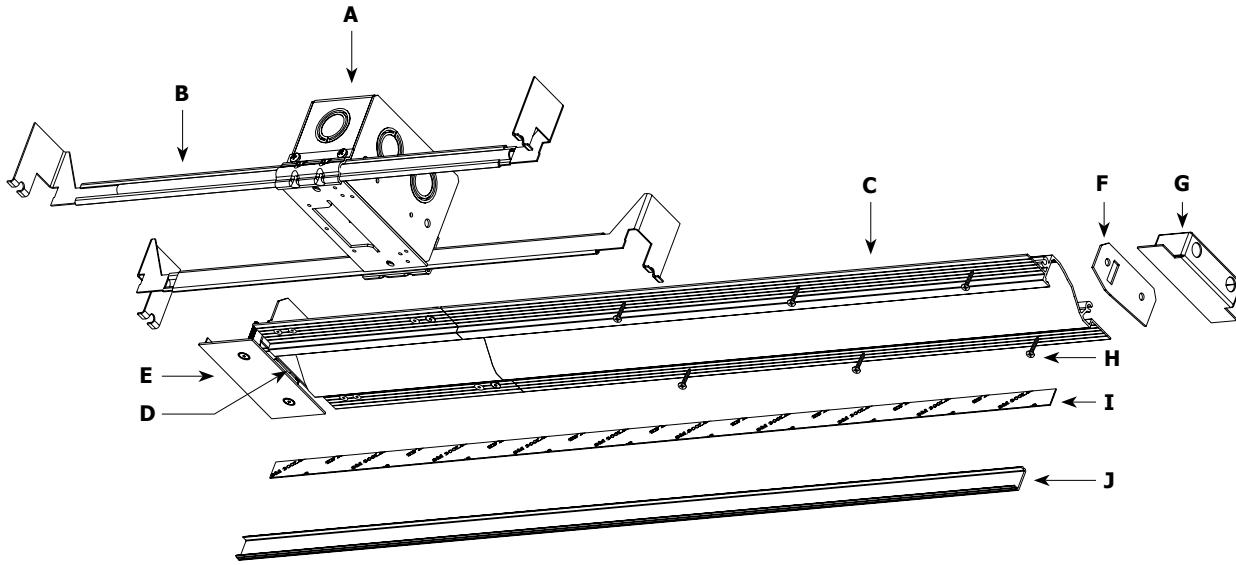| COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

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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 Wall Wash 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 Wall Wash Channel: 5/8 inch deep extrusion houses a single row of commercial-grade white or dynamic 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.

J. Lens: .74 inch wide diffuser lens projects a clean line of light without LED dots.
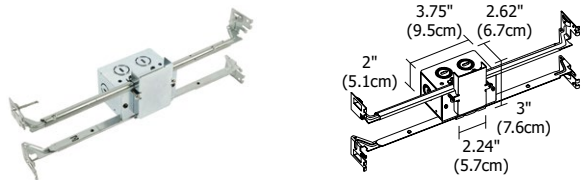
Rough-In Component

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

3.75" (9.5cm)   2.62" (6.7cm)
2" (5.1cm)
3" (7.6cm)
2.24" (5.7cm)

System		Size		Component
RVWW	-	**1RE**	-	**JBOX**

RVWW Reveal Wall Wash   1RE 1 inch Rectangle   JBOX Junction Box

PURE LIGHTING

COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

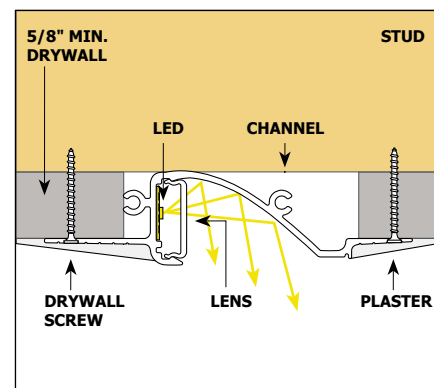Product specification subject to change without notification. REV.04.06.17

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. L-Shaped Outside Corner Channel Connector
F. L-Shaped Inside Corner Channel Connector
G. Reveal Wall Wash Channel

5/8" MIN. DRYWALL STUD

LED CHANNEL

DRYWALL SCREW LENS PLASTER

■ Direction of Light

COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

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PURE LIGHTING

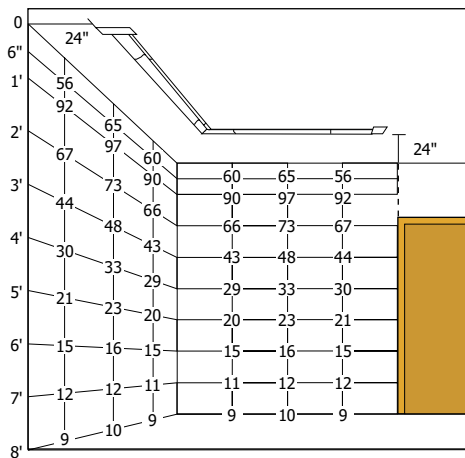# Reveal Wall Wash, 24VDC Plaster-In LED system

RVWW-_-_-_-_

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
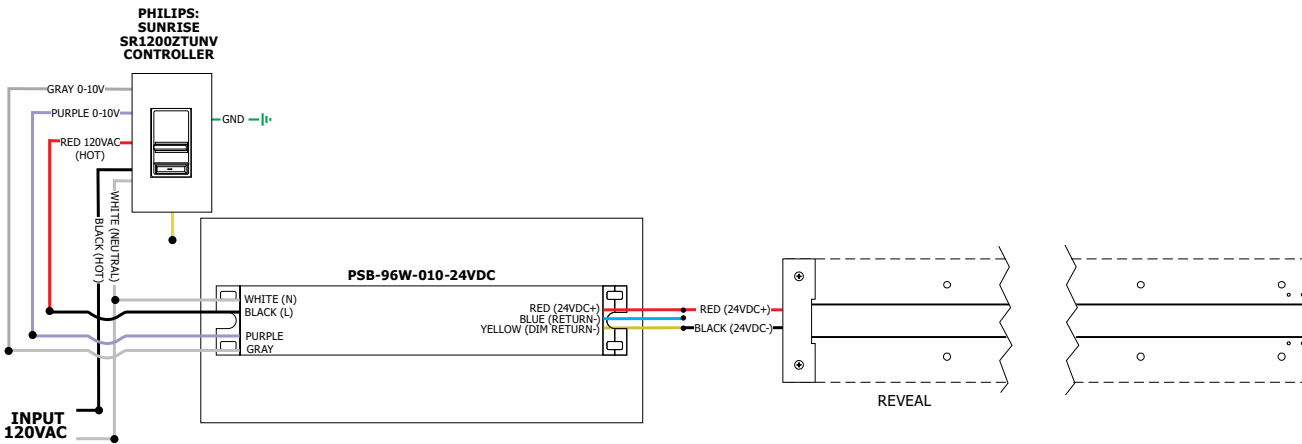
WALL WASH FOOT CANDLE DISTRIBUTION
SHOWN WITH 10 WATT 3000K VERSION

WALL WASH DIRECTION OF LIGHT
SHOWN WITH 10 WATT 3000K VERSION

COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

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

LENGTH IN FEET	WATTS
1	5
2	10
3	15
4	19
5	24

LENGTH IN FEET	WATTS
6	29
7	34
8	38
9	44
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	86
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

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

COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

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Reveal Wall Wash, 24VDC Plaster-In LED system

ASSEMBLED IN THE U.S.A.

TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, 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.

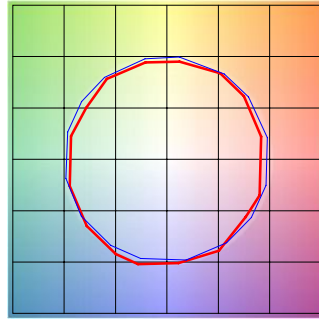## 2200K | Rf: 83.9 | Rg: 94.9

COLOR VECTOR GRAPHIC

■ Test ■ Reference

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
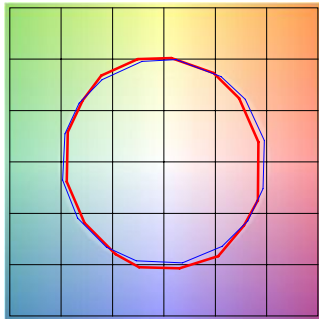
■ Test ■ Reference

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
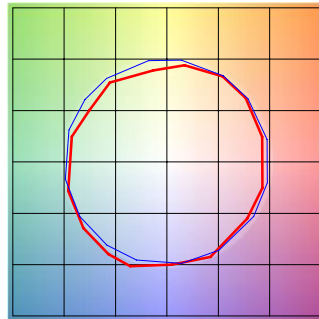
■ Test ■ Reference

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
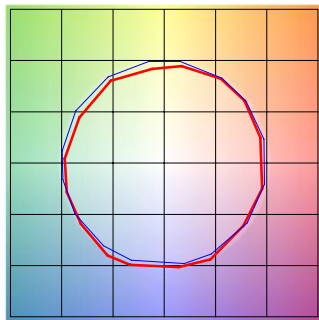
■ Test ■ Reference

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
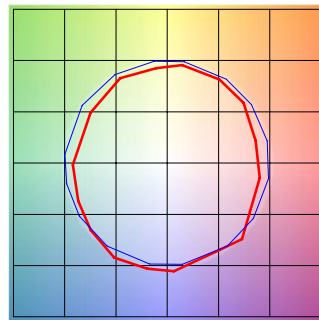
■ Test ■ Reference

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%

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PURE LIGHTING

COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

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Reveal Wall Wash, 24VDC Plaster-In LED system

ASSEMBLED IN THE U.S.A.

TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, 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.

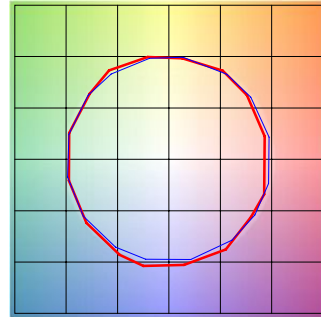## 2700D | Rf: 89.5 | Rg: 100.8

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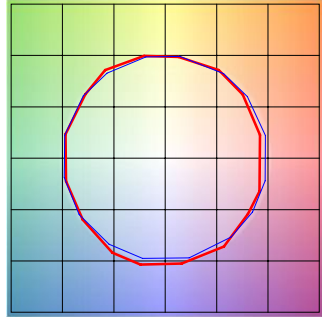
HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	HUE
1	88.8	-5.1%	1.4%
2	89.8	-2.7%	4.1%
3	87.2	0.3%	5.9%
4	92.3	-0.9%	1.0%
5	93.3	1.5%	1.7%
6	92.4	3.6%	-0.2%
7	92.2	-0.9%	-2.4%
8	96.7	-0.4%	-1.1%
9	92.3	-1.2%	3.7%
10	88.9	-0.0%	6.1%
11	86.4	5.1%	7.4%
12	88.2	6.3%	-0.9%
13	87.2	3.8%	-8.1%
14	84.2	3.8%	-11.0%
15	89.8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

■ Test ■ Reference

3000D | Rf: 89.8 | Rg: 101.4

COLOR VECTOR GRAPHIC

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%

■ Test ■ Reference

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

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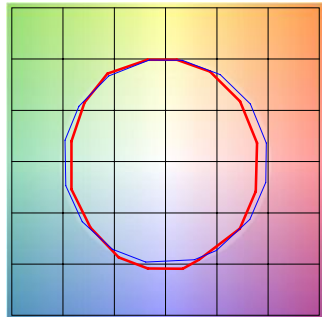
HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15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

■ Test ■ Reference

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

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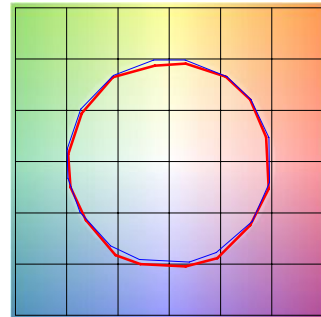
HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	HUE
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.7%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%	-2.1%
15	87.4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

■ Test ■ Reference

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

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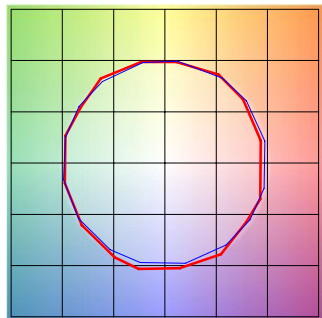
HUE BIN	Rf	GRAPHIC SHIFTS % CHROMA	HUE
1	90.9	-3.8%	1.3%
2	91.7	-1.9%	3.3%
3	88.7	0.7%	5.1%
4	92.4	-1.0%	0.7%
5	92.9	0.9%	1.7%
6	93.1	3.3%	-0.6%
7	91.0	-1.8%	-0.4%
8	97.0	0.2%	-1.1%
9	92.8	-0.5%	3.6%
10	88.3	1.0%	7.0%
11	87.1	3.8%	7.8%
12	87.6	6.5%	-0.3%
13	89.3	3.6%	-6.3%
14	86.1	4.5%	-9.1%
15	91.6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

■ Test ■ Reference

PURE LIGHTING

COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			

Product specification subject to change without notification. REV.04.06.17