LIGHT CHANNEL .3 SURFACE MOUNT COMPLETE FIXTURE

REV 11.13.2018

PURE EDGE
L I G H T I N G

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

0.35"
(0.9cm)

0.7"
(1.8cm)

0.06"
(0.2cm)

12.94" - 120.94"
(32.9cm - 307.2cm)

0.06"
(0.2cm)

0.7"
(1.8cm)

0.56"
(1.4cm)

12.94" - 120.94"
(32.9cm - 307.2cm)

0.56"
(1.4cm)

Features & Benefits

- Light Channel .3 Surface Mount is a slim profile channel, made to order as a complete fixture in 2.4 inch or 3 inch increments for warm dim up to 120 inches, includes a 96 inch power cord
- Low voltage up to 100 watt, Class 2 wiring, no need for conduit pipe
- 24VDC, 85 - 95+ CRI LED Soft Strip offers excellent color-rendering and fits inside a slim, paintable aluminum extrusion
- High efficiency LED Soft Strip has 7 LEDs per cutting increment and 4oz of copper to provide high lumen output with less heat
- White Diffuser Lens projects slight showing of LED dots
- Clear Lens provides maximum light levels and will show slight LED dots
- 3 wattage and 8 white color temperature options available, including Warm Dim
- Surface mount channel is available in various sizes up to 120 inches, for longer continuous runs use DIY Light Channel .3 Surface Mount
- Solid State Power Supply offer 85-90% efficiency compared to magnetic at 80% combined with our 7 LED per cutting section up to 22% more efficiency than 6 LED per section
- 5 year warranty included

Applications

- Indoor damp or dry locations
- Suitable for small spaces requiring a channel less than 0.6 inches tall
- Task lighting, under/above cabinet, coves, retail, and closets

Lamp Data

- Lamp Life is 50,000 hours, more details on the next page

Included Components

- 96 Inches of Solderless Snap & Light Power Connector (Includes 1 per fixture. Order extra as needed based on your installation requirements.)
- Mounting Clips (Included with every 2 feet of Channel)

Accessories (Sold Separately)

- Mounting Clips (Included with every 2 feet of Channel)
- Solderless Snap & Light Power/Jumper Connector
- Soft Strip Solderless Snap & Light Straight Joiner
- Solderless Light Channel Connectors L, T, X

Remote Power Supplies*, Dimmers & Controls (Sold Separately)

- Electronic Low Voltage Dimming (ELV), 50 Watt fits in J-box.
- 0-10 Volt Dimming (0-10V)
- Lutron Hi-Lume®

*In-Wall Mounting Kits available for select Power Supplies

Product	Wattage	Nominal Size		Color Temperature	Finish
LCS.3	**2W**	**60**	**D**	**22K**	**SA**

Product	Wattage	Nominal Size	Lens	Color Temperature		Finish
LCS.3 Light Channel .3 Surface Mount	2W 2.5 watts 5W 4.4 watts	12-120 Order in 12 inch increments up to 120 inches. May be ordered in 3, 5, 8 or 10 inch increments	D Diffuser Lens C Clear Lens	22K 2200K Amber White 27K 2700K Very Warm White 27D 2700K Warm Dim (5W only) 30K 3000K Warm White	30D 3000K Warm Dim (5W only) 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White	SA Satin Aluminum Custom Finishes Available

PROJECT		FIXTURE TYPE		DATE	

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Included Components: Lens options and lamp data for indoor Light Channel .3 Surface Mount

(D) **LCS.3 Light Channel 61° Diffuser Lens**

White Diffuser Lens reduces, but does not eliminate LED dots

(C) **LCS.3 Light Channel 26° Clear Lens**

Clear Lens provides maximum light levels and will show slight LED dots

(G) **LCS.3 Light Channel Diffuser Lens with Gel Color Filter (provided by customer)**

Clear and Diffuser Lens are Gel Color Filter Suitable allowing for color personalization. Zircon LED Gel filters are recommended and can be purchased from www.leefilters.com. Gel filter life is 5,000 hours before needing to be changed

Lamp Life is 50,000 hours

LCS.3 LIGHT CHANNEL SURFACE MOUNT													
Watts per foot	2W (2.5 watts)						5W (4.4 watts)							
Color Temperature	2200K	2700K	3000K	3500K	4000K	5700K	2200K	2700K	2700D	3000K	3000D	3500K	4000K	5700K
Clear Lens Lumens per foot	129.4	157.8	172.5	197.5	214.8	228.6	207.9	253.6	372.0	277.2	406.0	317.4	345.1	367.3
Clear Lens Lumens per watt	51.8	63.1	69.0	79.0	85.9	91.4	47.3	57.7	77.5	63.0	84.7	72.1	78.4	83.5
Diffuser Lens Lumens per foot lm/ft	111.0	135.4	148.0	169.5	184.3	196.1	174.9	213.4	320.0	233.2	350.0	267.0	290.3	309.0
Diffuser Lens Lumens per watt lm/w	44.4	54.2	59.2	67.8	73.7	78.4	39.8	48.5	66.7	53.0	72.9	60.7	66.0	70.2
RF	83.9	87.7	88.1	86.1	87.6	80.3	83.9	87.7	89.5	88.1	100.8	86.1	87.6	80.3
RG	94.9	96.1	99.7	95.5	96.8	91.5	94.9	96.1	100.8	99.7	101.4	95.5	96.8	91.5
CRI	85+	95+	95+	85+	84	84	85+	95+	95+	95+	95+	85+	84	84

Foot Candle Charts

30K 60° 5W DIFFUSER LENS		
Distance	**Beam**	**Foot Candle**
12in	15in	201 FC
18in	21in	110 FC
24in	29in	70 FC
36in	42in	35 FC

30K 60° 5W CLEAR LENS		
Distance	**Beam**	**Foot Candle**
12in	15in	273 FC
18in	21in	145 FC
24in	29in	91 FC
36in	42in	44 FC

*Foot Candle Data is based off 4 feet channel

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Included Components: Indoor Light Channel .3 Surface Mount system overview
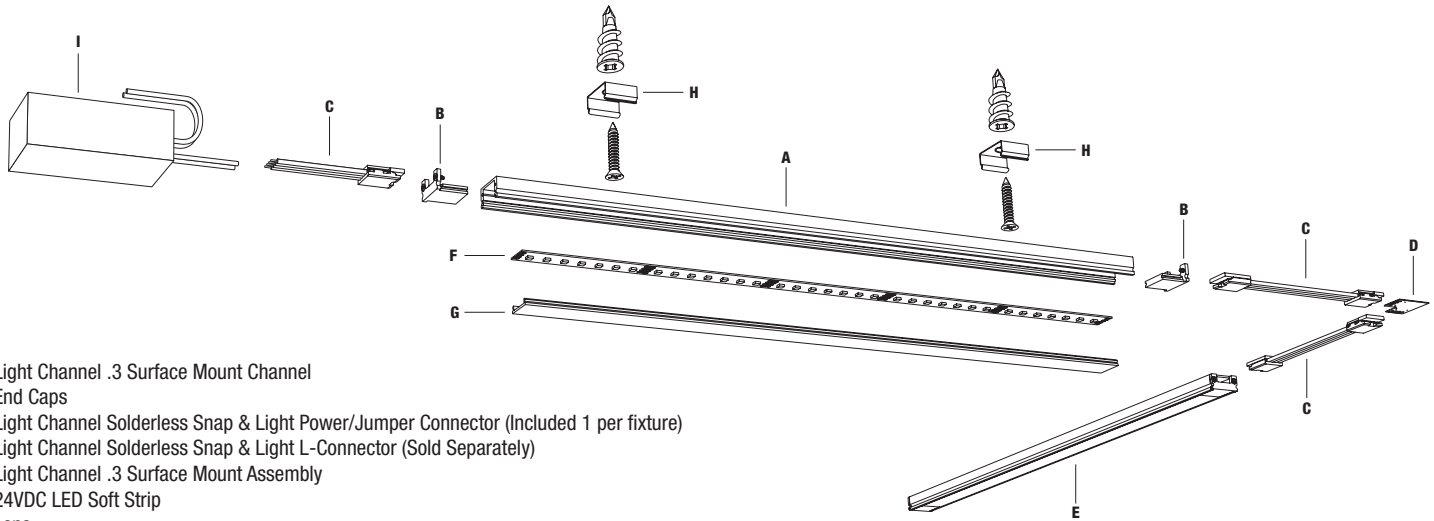
A. Light Channel .3 Surface Mount Channel
B. End Caps
C. Light Channel Solderless Snap & Light Power/Jumper Connector (Included 1 per fixture)
D. Light Channel Solderless Snap & Light L-Connector (Sold Separately)
E. Light Channel .3 Surface Mount Assembly
F. 24VDC LED Soft Strip
G. Lens
H. Mounting Clips (Included with every 2 feet of channel)
I. Remote Power Supply (PS-60L-ELV-24VDC shown) (Sold Separately)

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PURE EDGE LIGHTING

Accessories: Indoor Light Channel .3 Surface Mount, order based on lighting design or as replacement parts

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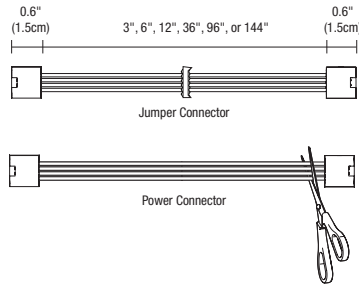
24VDC Light Channel Solderless Snap & Light Jumper/Power Connector

Power connector is included, may be ordered as a jumper connector. Join sections of Light Channel using Solderless Snap & Light L, T, or X Connectors below. To use as a power connector cut and strip the wires.

0.6" (1.5cm)   3", 6", 12", 36", 96", or 144"   0.6" (1.5cm)

Jumper Connector

Power Connector

System	Product	Length
LC	**SLC**	**3IN**

LC   Light Channel

SLC   Solderless Snap & Light Jumper/Power Connector

3IN   3 Inches   36IN   36 Inches
6IN   6 Inches   96IN   96 Inches
12IN 12 Inches   144IN   144 Inches
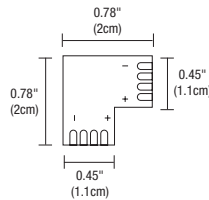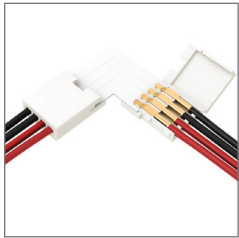
Light Channel Solderless Snap & Light L-Connector

Conducts power to 2 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector (sold separately) for use.

0.78" (2cm)
0.78" (2cm)
0.45" (1.1cm)
0.45" (1.1cm)

System	Product
LC	**SLL**

LC   Light Channel

SLL   Snap & Light L-Connector
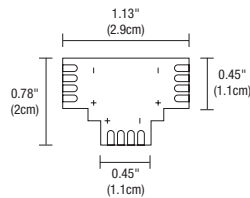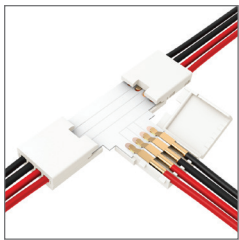
Light Channel Solderless Snap & Light T-Connector

Conducts power to 3 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector (sold separately) for use.
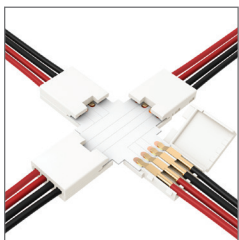
1.13" (2.9cm)
0.78" (2cm)
0.45" (1.1cm)
0.45" (1.1cm)

System	Product
LC	**SLT**

LC   Light Channel

SLT   Snap & Light T-Connector
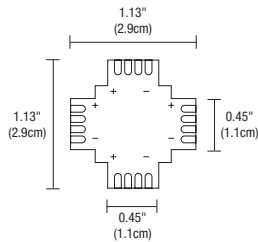
Light Channel Solderless Snap & Light X-Connector

Conducts power to 4 sections of LED Soft Strip within the Light Channel. Requires Light Channel Solderless Snap & Light Power/Jumper Connector (sold separately) for use.
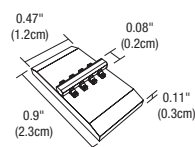
1.13" (2.9cm)
1.13" (2.9cm)
0.45" (1.1cm)
0.45" (1.1cm)

System	Product
LC	**SLX**

LC   Light Channel

SLX   Snap & Light X-Connector

Soft Strip Solderless Snap & Light Straight Joiner

Joins 2 sections of LED Soft Strip in the channel. Used when replacing a section of LED Soft Strip.

0.47" (1.2cm)
0.08" (0.2cm)
0.11" (0.3cm)
0.9" (2.3cm)

System	Product
CH	**SLC**

CH   Channel

SLC   Snap & Light Straight Joiner

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PURE EDGE LIGHTING

Accessories: Indoor Light Channel .3 Surface Mount, order based on lighting design or as replacement parts

LCS.6-MCL

0.37" (0.9cm)
0.75" (1.9cm)

LCS.6-MCL

0.6" (1.5cm)
0.8" (2cm)
0.8" (2cm)
1.77" (4.5cm)

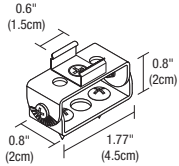**LCS.6-MCL-075**

0.63" (1.6cm)
3" (7.6cm)
2" (5.1cm)

LCS.6-MCL-90
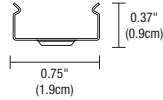
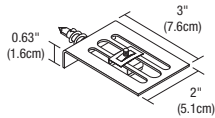### Mounting Clips

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75 degrees. LC-MCL-90 mounts Light Channel at a 90 degree angle.
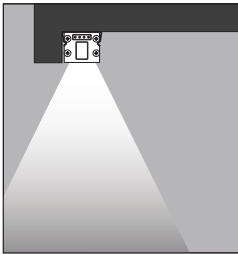
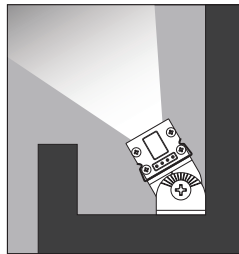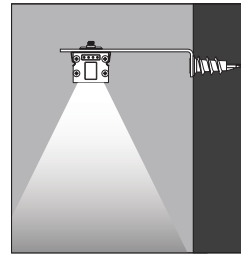| System		Product		Type
LCS.6	–	**MCL**	–	Standard (Leave Blank)

LCS.6 Light Channel 0.6" Surface Mount

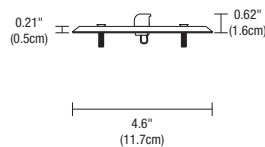**MCL** Mounting Clip

075 Adjusts 0-75°
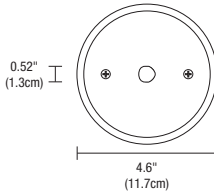**90** Adjusts 90°

SHOWN WITH LCS.6-MCL

SHOWN WITH LCS.6-MCL-075

SHOWN WITH LCS.6-MCL-90

4RD-WH

0.52" (1.3cm)
4.6" (11.7cm)

0.21" (0.5cm)
0.62" (1.6cm)
4.6" (11.7cm)

3RE-WH

0.96" (2.4cm)
2.78" (7.1cm)
4.52" (11.5cm)

0.26" (0.7cm)
0.63" (1.6cm)
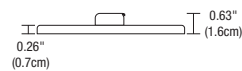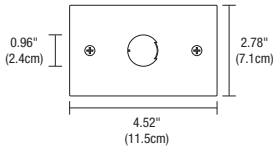
Canopy Cover & Splice Box

Use for remote located power supply. The 3 inch rectangle or 4 inch round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.

Product		Finish
3RE	–	**WH**

3RE 3 Inch Rectangle Canopy Cover
4RD 4 Inch Round Canopy Cover
1RB 1 Inch Rectangle Splice Box

WH White

1RB-WH
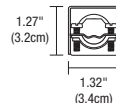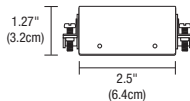
1.27" (3.2cm)
2.5" (6.4cm)

1.27" (3.2cm)
1.32" (3.4cm)

PROJECT		FIXTURE TYPE		DATE	

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LIGHT CHANNEL .3 SURFACE MOUNT COMPLETE FIXTURE

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Length Charts: Actual lengths for Light Channel .3 Surface Mount

22K, 27K, 30K, 35K, 40K & 57K					
Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12.0	13.0	68	67.2	68.2
15	14.4	15.4	70	69.6	70.6
17	16.8	17.8	72	72.0	73.0
20	19.2	20.2	75	74.4	75.4
22	21.6	22.6	77	76.8	77.8
24	24.0	25.0	80	79.2	80.2
27	26.4	27.4	82	81.6	82.6
29	28.8	29.8	84	84.0	85.0
32	31.2	32.2	87	86.4	87.4
34	33.6	34.6	89	88.8	89.8
36	36.0	37.0	92	91.2	92.2
39	38.4	39.4	94	93.6	94.6
41	40.8	41.8	96	96.0	97.0
44	43.2	44.2	99	98.4	99.4
46	45.6	46.6	101	100.8	101.8
48	48.0	49.0	104	103.2	104.2
51	50.4	51.4	106	105.6	106.6
53	52.8	53.8	108	108.0	109.0
56	55.2	56.2	111	110.4	111.4
58	57.6	58.6	113	112.8	113.8
60	60.0	61.0	116	115.2	116.2
63	62.4	63.4	118	117.6	118.6
65	64.8	65.8	120	120.0	121.0

27D, 30D WARM DIM					
Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12	13	69	69	70
15	15	16	72	72	73
18	18	19	75	75	76
21	21	22	78	78	79
24	24	25	81	81	82
27	27	28	84	84	85
30	30	31	87	87	88
33	33	34	90	90	91
36	36	37	93	93	94
39	39	40	96	96	97
42	42	43	99	99	100
45	45	46	102	102	103
48	48	49	105	105	106
51	51	52	108	108	109
54	54	55	111	111	112
57	57	58	114	114	115
60	60	61	117	117	118
63	63	64	120	120	121
66	66	67			

PROJECT		FIXTURE TYPE		DATE	

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LIGHT CHANNEL .3 SURFACE MOUNT COMPLETE FIXTURE

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Required Components: 24VDC ELV Compatible Power Supplies.

ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODES	**PS-60L-ELV-24VDC**	**PSB-60W-ELV-24VDC**	**PSB-2X60W-ELV-24VDC**	**PSB-100W-ELV-24VDC**
SPECIFICATIONS				
MAXIMUM LOAD	60W-NIC, 50W-IC (FITS IN J-BOX)	60W	2X60W	96W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	2.25" X 1.25" X 0.83"	8.125" X 2" X 1.75"	12.15" X 6.48" X 2.18"	9.25" X 3.5" X 2"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	N/A	PSB-60W-ELV-24VDC-IW	PSB-2X60W-ELV-24VDC-IW	PSB-100W-ELV-24VDC-IW
DIMMING AND CONTROLS				
LUTRON DIVA: DVELV-300P	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	N/A	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	N/A	•	•	•

ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†			
ORDERING CODES	**PSB-2X100W-ELV-24VDC**	**PSB-3X100W-ELV-24VDC**	**PSB-4X100W-ELV-24VDC**
SPECIFICATIONS			
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-2X100W-ELV-24VDC-IW	N/A	N/A
DIMMING AND CONTROLS			
LUTRON DIVA: DVELV-300P	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•

†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies. Tunable White (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

5.1"
(13cm)
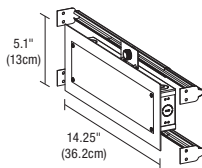
14.25"
(36.2cm)

5.1 x 14.25 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-60W-ELV-24VDC-IW, PSB-100W-ELV-24VDC-IW

8.5"
(21.6cm)

14"
(35.5cm)

8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-2x60W-ELV-24VDC-IW, PSB-2x100W-ELV-24VDC-IW

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# LIGHT CHANNEL .3 SURFACE MOUNT COMPLETE FIXTURE

REV 11.13.2018

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

Required Components: 24VDC 0-10V Compatible Power Supplies.

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODES	**PSB-25W-010-24VDC**	**PSB-60W-010-24VDC**	**PSB-96W-010-24VDC**	**PSB-2X96W-010-24VDC**
SPECIFICATIONS				
MAXIMUM LOAD	25W	60W	96W	2X96W
INPUT VOLTAGE	120VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-25W-010-24VDC-IW	PSB-60W-010-24VDC-IW	PSB-96W-010-24VDC-IW	PSB-2X96W-010-24VDC-IW
DIMMING AND CONTROLS				
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA:: DVTV-WH	•	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•	•	•
LUTRON RADIO RA2: RRD-10ND	•	•	•	•
LEVITON: LEV40050	•	•	•	•
LEVITON IP710-LFZ	•	•	•	•
LEGRAND: ADPD4FBL3P2W4	•	•	•	•

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†		
ORDERING CODES	**PSB-3X96W-010-24VDC**	**PSB-4X96W-010-24VDC**
SPECIFICATIONS		
MAXIMUM LOAD	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC
DIMENSIONS	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2
IN-WALL MOUNTING	N/A	N/A
DIMMING AND CONTROLS		
PHILIPS SUNRISE: SR1200ZTUNV	•	•
LUTRON DIVA: DVTV-WH	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•
LUTRON RADIO RA2: RRD-10ND	•	•
LEVITON: LEV40050	•	•
LEVITON IP710-LFZ	•	•
LEGRAND: ADPD4FBL3P2W4	•	•

†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies. Tunable White (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.
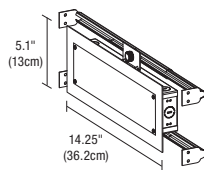
5.1 x 14.25 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-25W-010-24VDC-IW, PSB-60W-010-24VDC-IW, PSB-96W-010-24VDC-IW
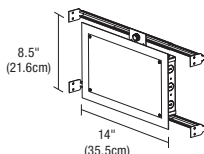
8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-2X96W-010-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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Required Components: 24VDC Lutron Compatible Power Supply.

LUTRON HI-LUME® PREMIER .1% ECOSYSTEM® 3-WIRE POWER SUPPLY & RECOMMENDED CONTROLLERS†	
ORDERING CODES	L3D0-96W24V-U
SPECIFICATIONS	
MAXIMUM LOAD	96W
INPUT VOLTAGE	120-277VAC
OUTPUT VOLTAGE	24VDC
DIMENSIONS	10.5" X 5.5" X 2"
CLASSIFICATION	CLASS 2
DIMMING AND CONTROLS	
RADIO RA2	•
HOMEWORKS QS	•
PHPM-3F-120	•
PHPM-3F-DV	•
BCI-0-10	•

†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies. Tunable White (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

PROJECT		FIXTURE TYPE		DATE	

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Wiring Diagram: Electronic Low Voltage (ELV) dimming for Indoor Light Channel .3 Surface Mount

Power Supply: 120VAC input, 24VDC 96 watt output PSB-100W-ELV-24VDC

Dimming: Dimmable with low voltage electronic dimmer using power supply above. See power supply spec sheet for additional details.
Lutron: Diva DVELV-300P; Skylark SELV-300P; Maestro MAELV-600 dimmers are recommended.

A. ELV Dimmer
B. 100W 24VDC Power Supply
C. 24VDC Light Channel Solderless Snap & Light Power/Jumper Connector
D. 3" Rectangle Canopy Cover
E. Light Channel Solderless Snap & Light T Connector (LC-SLT)
F. Light Channel .3 Surface Mount

PROJECT		FIXTURE TYPE		DATE	

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LIGHT CHANNEL .3 SURFACE MOUNT COMPLETE FIXTURE

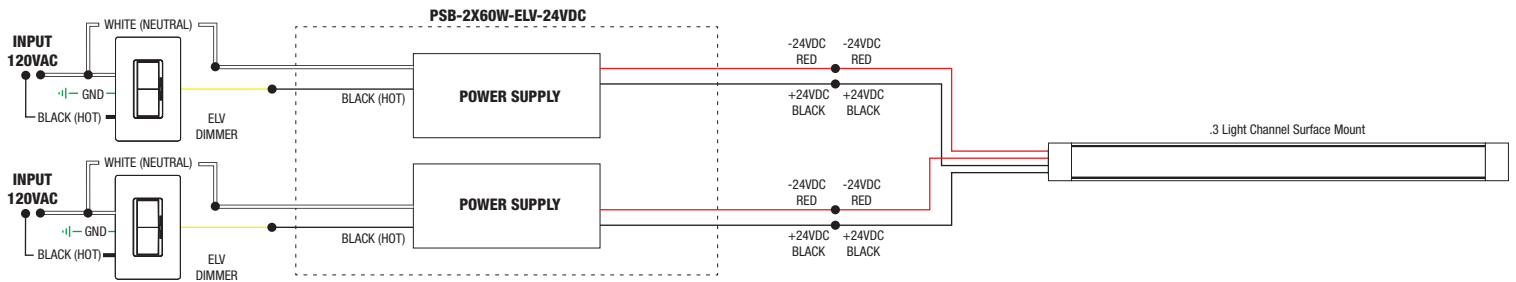REV 11.13.2018   DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

Wiring Diagram: Tunable White (2K4K) dimming for Indoor Light Channel .3 Surface Mount

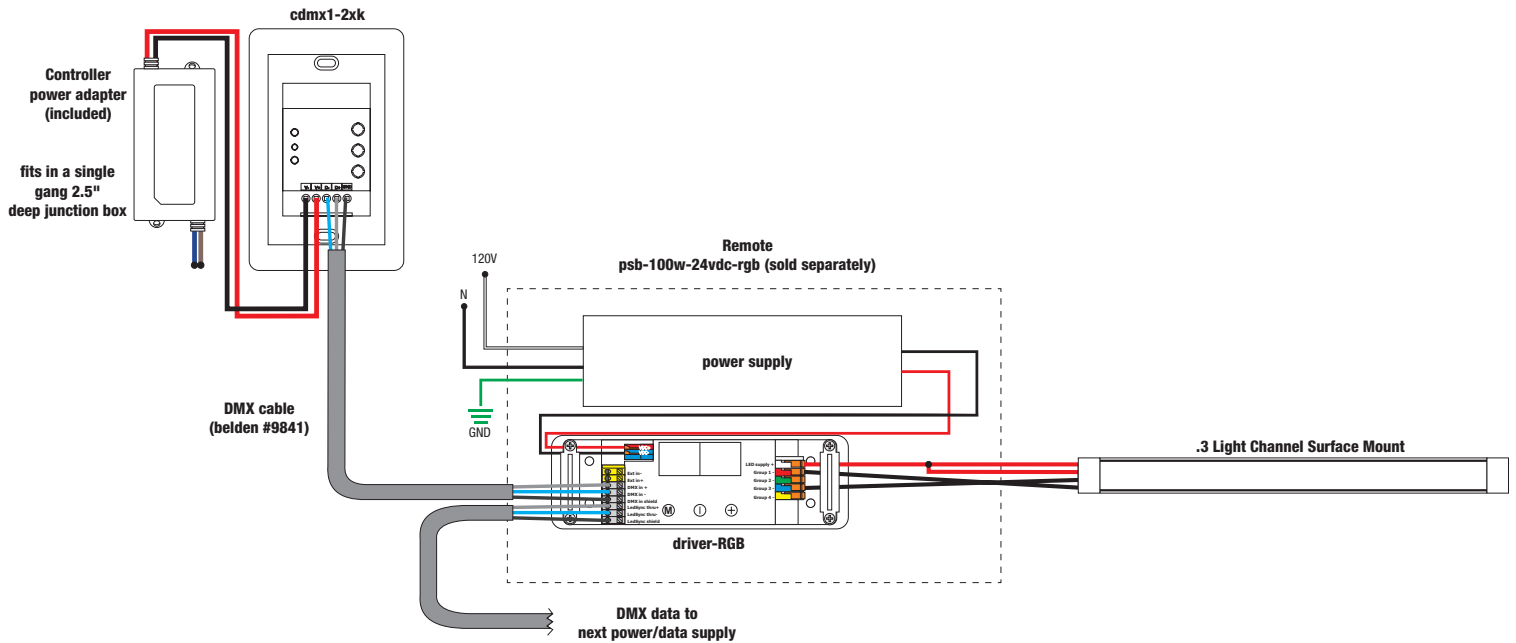|	
Application:	ELV Dimming with Dual ELV Power Supplies and Individual ELV Dimmers for .3 Light Channel Complete Fixture
Power Supply:	Remote, Class 2, 24VDC output: 120VAC input, PSB-2X60W-ELV-24VDC
Dimming:	Dimmable with Individual ELV Dimmers using power supplies above: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2.

Application:	DMX Control options for .3 Light Channel Surface Mount
Power Supply:	Remote, Class 2, 24VDC output: 120VAC input, PSB-100W-24VDC-RGB
Dimming:	Intregrated RGB Driver receives signals from compatible controller

PROJECT		FIXTURE TYPE		DATE	

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Wiring Diagram: Electronic Low Voltage (ELV) dimming for Indoor Light Channel .3 Surface Mount
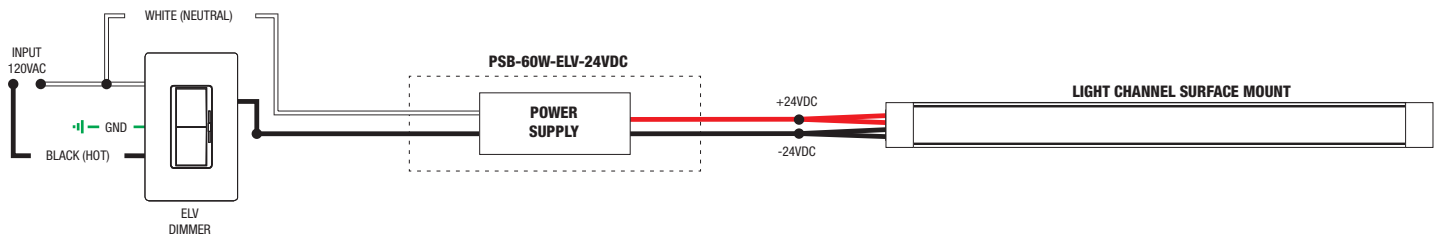
Power Supply:	120VAC input, 24VDC 96 watt output PSB-100W-ELV-24VDC, 120VAC input, 24VDC 60 watt output PSB-60W-ELV-24VDC, and 120VAC input, 24VDC 40 watt output PS-40W-ELV-24VDC
Dimming:	Dimmable with low voltage electronic dimmer using power supply above. See power supply spec sheet for additional details. Lutron: Diva DVELV-300P; Skylark SELV-300P; Maestro MAELV-600 dimmers are recommended.

PSB-100W-ELV-24VDC
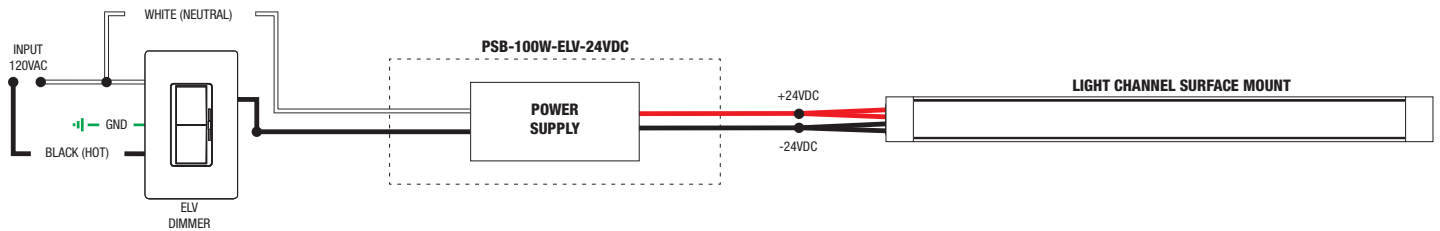
PSB-60W-ELV-24VDC

PS-40W-ELV-24VDC
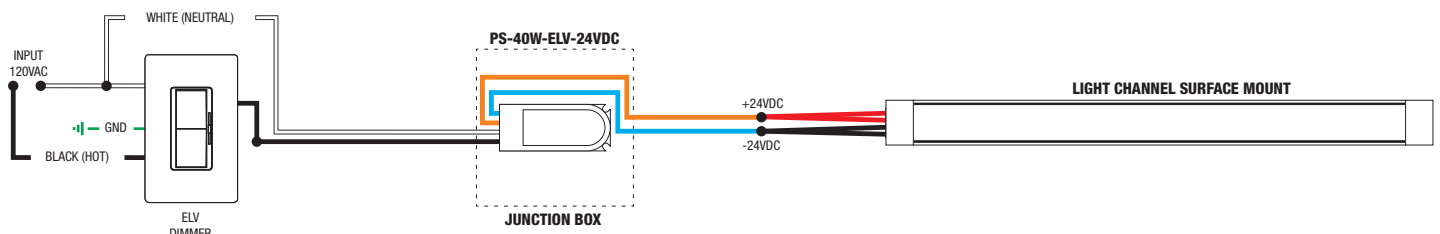
PROJECT		FIXTURE TYPE		DATE	

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LIGHT CHANNEL .3 SURFACE MOUNT COMPLETE FIXTURE

REV 11.13.2018

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.

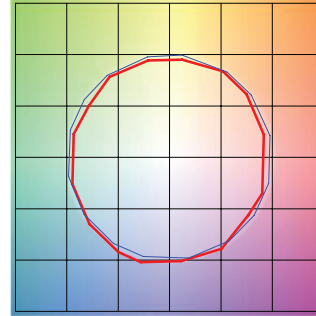## 2200K | Rf: 83.9 | Rg: 94.9

COLOR VECTOR GRAPHIC
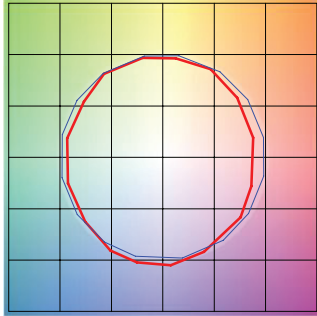
Test   Reference

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
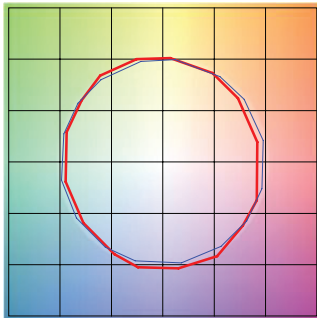
Test   Reference

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
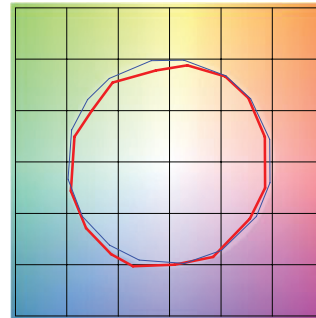
Test   Reference

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
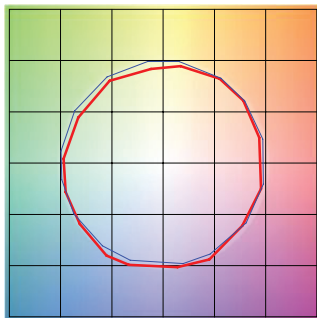
Test   Reference

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
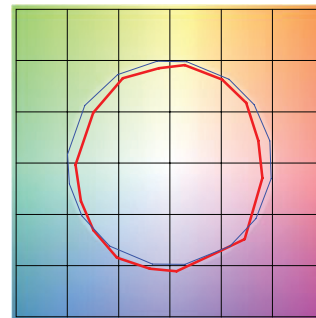
Test   Reference

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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PURE EDGE LIGHTING

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.

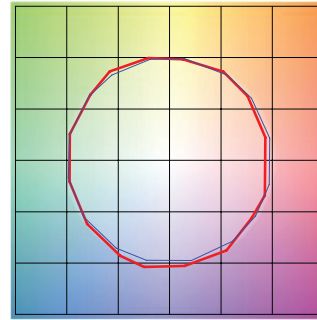## 2700D | Rf: 89.5 | Rg: 100.8 | CRI: 95+

COLOR VECTOR GRAPHIC
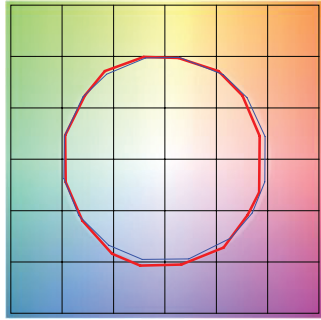
| Hue Bin | Rf | Graphic shifts % | |
		Chroma	Hue
1	88.8	-5.1%	1.4%
2	89.8	-2.7%	4.1%
3	87.2	0.3%	5.9%
4	92.3	-0.9%	1.0%
5	93.3	1.5%	1.7%
6	92.4	3.6%	-0.2%
7	92.2	-0.9%	-2.4%
8	96.7	-0.4%	-1.1%
9	92.3	-1.2%	3.7%
10	88.9	-0.0%	6.1%
11	86.4	5.1%	7.4%
12	88.2	6.3%	-0.9%
13	87.2	3.8%	-8.1%
14	84.2	3.8%	-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 | CRI: 95+

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

Tunable White: 2000K - 4000K

2000K only (2K4K) | Rf: 82.8 | Rg: 99.3 | CRI: 86

COLOR VECTOR GRAPHIC
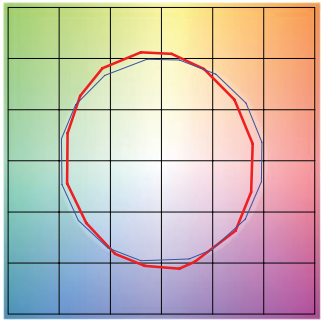
| Hue Bin | Rf | Graphic shifts % | |
		Chroma	Hue
1	80.1	-9.2%	0.3%
2	77.4	-7.4%	9.0%
3	74.5	-2.3%	12.4%
4	85.3	4.5%	8.6%
5	89.9	7.9%	4.5%
6	88.3	7.2%	-1.8%
7	83.5	1.1%	-10.0%
8	87.1	-4.9%	-6.7%
9	88.3	-5.3%	-0.0%
10	84.6	-5.1%	6.4%
11	84.3	1.0%	9.1%
12	84.2	4.1%	4.7%
13	85.8	7.4%	-11.4%
14	60.8	0.6%	-19.6%
15	77.8	-1.6%	-14.7%
16	78.1	-7.8%	-11.5%

Test   Reference

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

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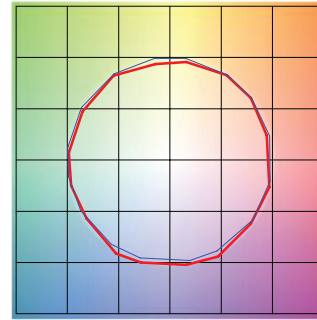
| Hue Bin | Rf | Graphic shifts % | |
		Chroma	Hue
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.5%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%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

Test   Reference

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

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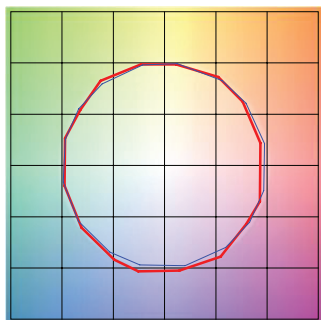
| Hue Bin | Rf | Graphic shifts % | |
		Chroma	Hue
1	90.9	-3.8%	1.3%
2	91.7	-1.9%	3.3%
3	88.7	0.7%	5.1%
4	92.4	-1.0%	0.7%
5	92.9	0.9%	1.7%
6	93.1	3.3%	-0.6%
7	91.0	-1.8%	-0.4%
8	97.0	0.2%	-1.1%
9	92.8	-0.5%	3.6%
10	88.3	1.0%	7.0%
11	87.1	3.8%	7.8%
12	87.6	6.5%	-0.3%
13	89.3	3.6%	-6.3%
14	86.1	4.5%	-9.1%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

Test   Reference

PROJECT		FIXTURE TYPE		DATE	

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