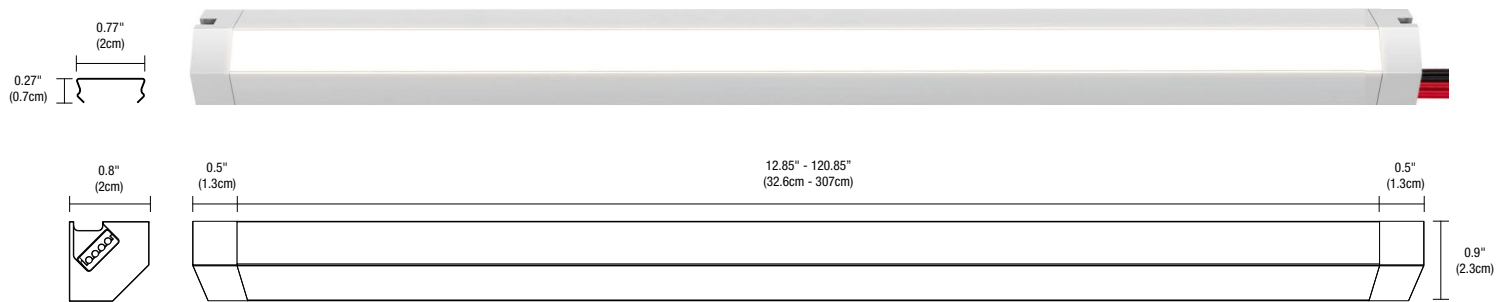




# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017



## Features & Benefits

- Light Channel 45 Degree is a slim profile channel, made to order as a complete fixture in 2.4 inch increments 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 clean lines of light, eliminating LED dots
- Clear Lens provides maximum light levels and will show 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 45°
- 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
- Task lighting, under/above cabinet, cove, 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

## ORDERING CODE

Product	Wattage	Nominal Size	Color Temperature	Finish	
<b>LC45</b>	<b>2W</b>	<b>60</b>	<b>D</b> <b>22K</b>	<b>SA</b>	
<b>LC45</b> Light Channel Surface Mount 45°	<b>2W</b> 2.5 watts <b>5W</b> 4.4 watts <b>7W</b> 7.3 watts	<b>12-120</b> Order in 12 inch increments up to 120 inches May be ordered in 3, 5, 8 or 10 inch increments	<b>D</b> Diffuser Lens <b>C</b> Clear Lens <b>22K</b> 2200K Amber White <b>27K</b> 2700K Very Warm White <b>27D</b> 2700K Warm Dim (5W only) <b>30K</b> 3000K Warm White	<b>30D</b> 3000K Warm Dim (5W only) <b>35K</b> 3500K Neutral White <b>40K</b> 4000K Cool White <b>57K</b> 5700K Daylight White	<b>SA</b> Satin Aluminum <b>BZ</b> Antique Bronze <b>WH</b> White

PROJECT	FIXTURE TYPE	DATE
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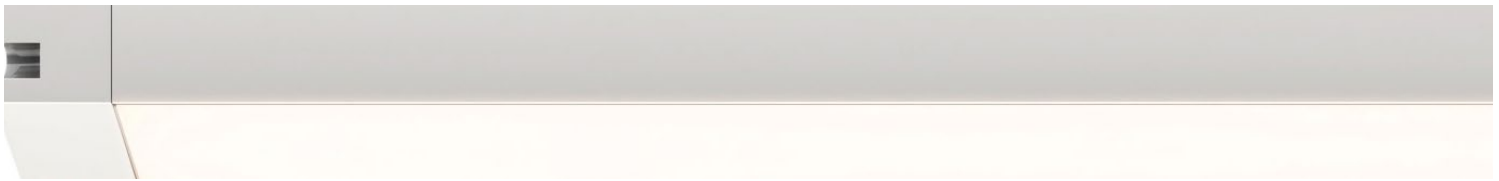


# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Included Components:** Lens options and lamp data for Light Channel 45°



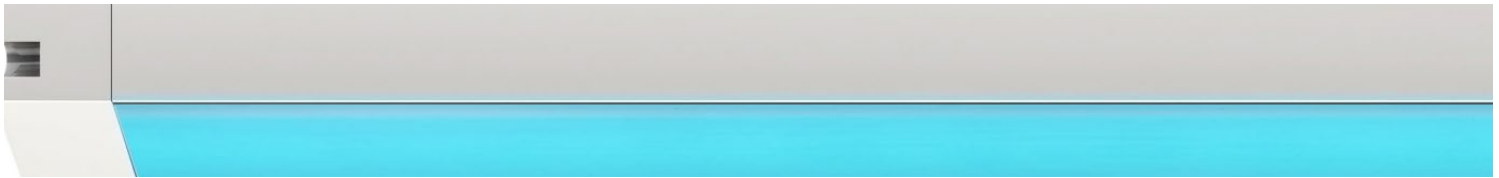
**D LC45 Light Channel 61° Diffuser Lens**

White Diffuser Lens projects clean lines of light, eliminating LED dots



**C LC45 Light Channel 26° Clear Lens**

Clear Lens provides maximum light levels and will show LED dots



**G LC45 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](http://www.leefilters.com). Gel filter life is 5,000 hours before needing to be changed

Lamp Life is 50,000 hours

Watts per foot	LIGHT CHANNEL 45° SURFACE MOUNT																			
	2W (2.5 watts)						5W (5 watts)								7W (7.5 watts)					
Color Temperature	2200K	2700K	3000K	3500K	4000K	5700K	2200K	2700K	2700D	3000K	3000D	3500K	4000K	5700K	2200K	2700K	3000K	3500K	4000K	5700K
Clear Lens Lumens per foot	121.1	147.8	161.5	184.9	201.1	214.0	199.0	242.8	293.9	265.3	321.1	303.8	330.3	351.6	300.4	366.5	400.5	458.6	498.6	530.7
Clear Lens Lumens per watt	48.5	59.1	64.6	74.0	80.4	85.6	45.2	55.8	61.2	60.3	66.9	69.0	75.1	79.9	40.1	48.9	53.4	61.1	66.5	70.8
Diffuser Lens Lumens per foot lm/ft	90.0	109.8	120.0	137.4	149.4	159.0	148.5	181.2	219.3	198.0	239.6	226.7	246.5	262.4	241.9	295.1	322.5	369.3	401.5	427.3
Diffuser Lens Lumens per watt lm/w	36.0	43.9	48.0	55.0	59.8	63.6	33.8	41.2	45.7	45.0	49.9	51.5	56.0	56.0	32.3	39.4	43.0	49.2	53.5	57.0
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	83.9	87.7	88.1	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	94.9	96.1	99.7	95.5	96.8	91.5
CRI	85+	95+	95+	85+	84	84	85+	95+	95+	95+	95+	85+	84	84	85+	95+	95+	85+	84	84

## Foot Candle Charts

30K 65° 6.5W DIFFUSER LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	107 FC
18in	21in	67 FC
24in	29in	47 FC
36in	42in	26 FC

30K 52° 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	12in	194 FC
18in	17in	117 FC
24in	22in	82 FC
36in	27in	46 FC

\*Foot Candle Data is based off 4 feet channel.

PROJECT	FIXTURE TYPE	DATE
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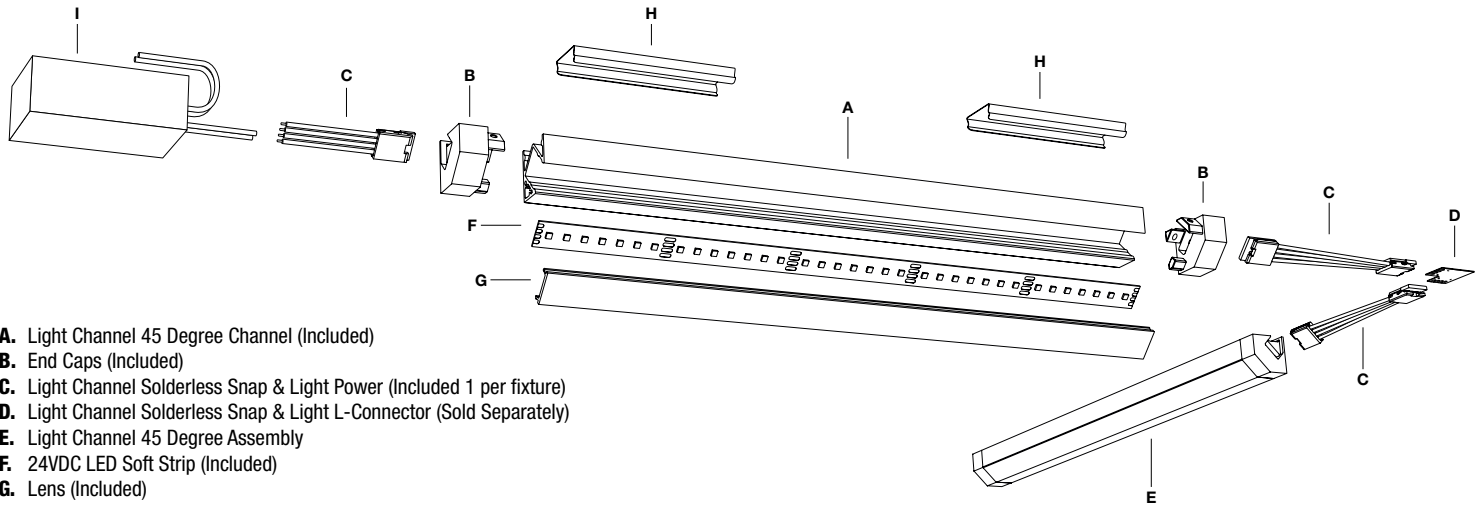


# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Included Components:** Light Channel 45° system overview



- A.** Light Channel 45 Degree Channel (Included)
- B.** End Caps (Included)
- C.** Light Channel Solderless Snap & Light Power (Included 1 per fixture)
- D.** Light Channel Solderless Snap & Light L-Connector (Sold Separately)
- E.** Light Channel 45 Degree Assembly
- F.** 24VDC LED Soft Strip (Included)
- G.** Lens (Included)
- H.** Mounting Clips (Included with every 2 feet of channel)
- I.** Remote Power Supply (PS-60L-ELV-24VDC shown) (Sold Separately)

PROJECT		FIXTURE TYPE		DATE	
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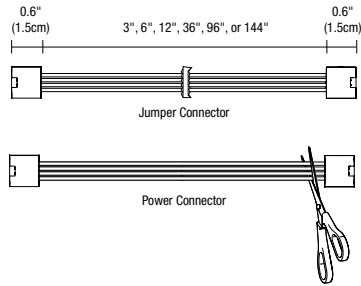


# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

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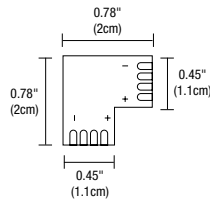
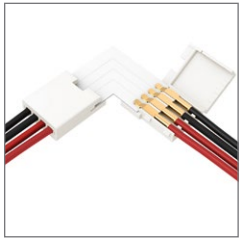
**Accessories:** Light Channel 45° order based on lighting design or as replacement parts



## 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.

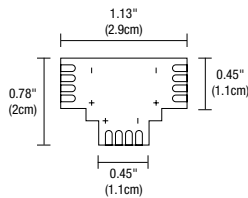
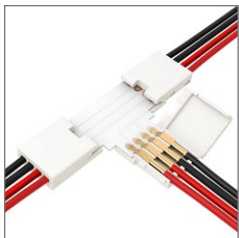
System	Product	Length			
<b>LC</b>	<b>SLC</b>	<b>3IN</b>			
LC Light Channel	SLC Solderless Snap & Light Jumper/Power Connector	<b>3IN</b>	3 Inches	<b>36IN</b>	36 Inches
		<b>6IN</b>	6 Inches	<b>96IN</b>	96 Inches
		<b>12IN</b>	12 Inches	<b>144IN</b>	144 Inches



## 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.

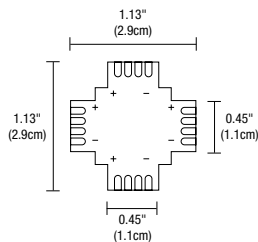
System	Product
<b>LC</b>	<b>SLL</b>
LC Light Channel	SLL Snap & Light L-Connector



## 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.

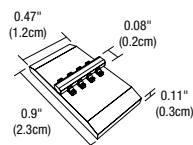
System	Product
<b>LC</b>	<b>SLT</b>
LC Light Channel	SLT Snap & Light T-Connector



## 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.

System	Product
<b>LC</b>	<b>SLX</b>
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.

System	Product
<b>CH</b>	<b>SLC</b>
CH Channel	SLC Snap & Light Straight Joiner

PROJECT	FIXTURE TYPE	DATE
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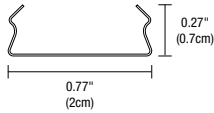


# LIGHT CHANNEL 45° COMPLETE FIXTURE

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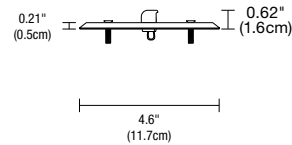
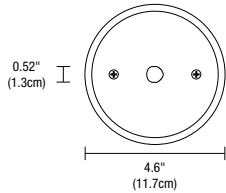
**Accessories:** Light Channel 45° Order based on lighting design or as replacement parts.



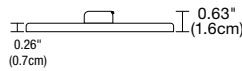
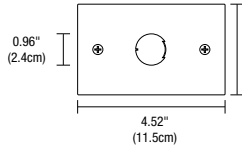
### Mounting Clip

Light Channel comes with standard mounting clips. LC45-MCL mounting clips are provided with every 2 feet of Light Channel.

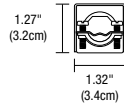
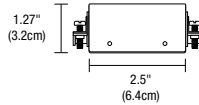
System	Product
<b>LC45</b>	<b>MCL</b>
<small>LC45 Light Channel 45 Degree</small>	<small>MCL Mounting Clip</small>



**4RD-WH**



**3RE-WH**



**1RB-WH**

### 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
<b>3RE</b>	<b>WH</b>
<small>3RE 3 Inch Rectangle Canopy Cover</small>	<small>WH White</small>
<small>4RD 4 Inch Round Canopy Cover</small>	
<small>1RB 1 Inch Rectangle Splice Box</small>	

PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Length Charts:** Actual lengths for Light Channel 45°

### 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 45° COMPLETE FIXTURE

REV 09.12.2017

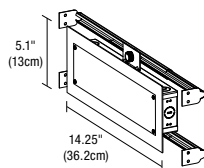
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**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 JBOX)	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	•	•	•

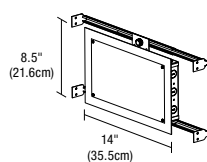
ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS*			
ORDERING CODES	PSB-2X100W-ELV-24VDC	PSB-3X100W-ELV-24VDC	PSB-4X100W-ELV-24VDC
SPECIFICATIONS			
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" 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 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 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

PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

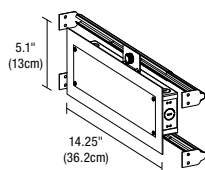
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**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	•	•	•	•

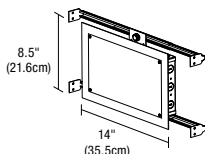
0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†		
ORDERING CODES	PSB-3X96W-010-24VDC	PSB-4X96W-010-24VDC
		
SPECIFICATIONS		
MAXIMUM LOAD	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC
DIMENSIONS	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2
IN WALL MOUNTING	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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# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Required Components:** 24VDC Lutron Compatible Power Supply.

**LUTRON HI-LUME® PREMIER .1% ECOSYSTEM® 3-WIRE POWER SUPPLY & RECOMMENDED CONTROLLERS†**

<b>ORDERING CODES</b>	<p><b>L3D0-96W24V-U</b></p> 
	<b>SPECIFICATIONS</b>
<b>MAXIMUM LOAD</b>	96W
<b>INPUT VOLTAGE</b>	120-277VAC
<b>OUTPUT VOLTAGE</b>	24VDC
<b>DIMENSIONS</b>	10.5" X 5.5" X 2"
<b>CLASSIFICATION</b>	CLASS 2
<b>DIMMING AND CONTROLS</b>	
<b>RADIO RA2</b>	•
<b>HOMEWORKS QS</b>	•
<b>PHPM-3F-120</b>	•
<b>PHPM-3F-DV</b>	•
<b>BCI-0-10</b>	•

†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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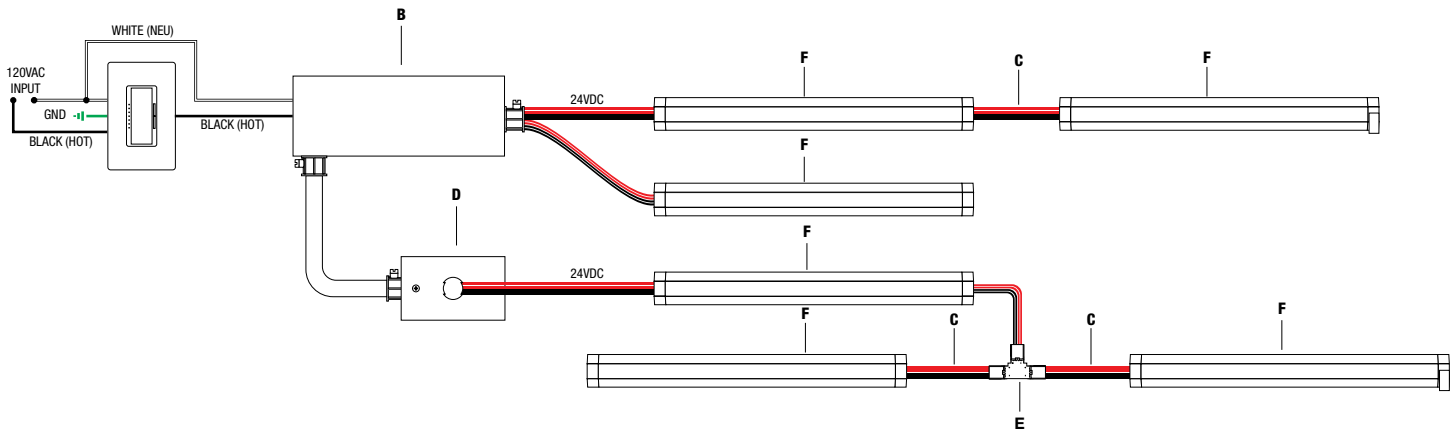
# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

## Wiring Diagram: Electronic Low Voltage (ELV) dimming for Light Channel 45°

- Application:** Electronic low-voltage dimming for 45° Light Channel
- Power Supply:** 120VAC input, 24VDC 100 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 **PSB-100W-ELV-24VDC**
- C.** Snap & Light Power/Jumper Connector **LC-SLC-\_\_IN-\_\_**
- D.** 3" Rectangle Canopy Cover **3RE-WH**
- E.** Light Channel Snap & Light T Connector **LC-SLT**
- F.** Light Channel 45° Surface Mount **LC45-\_-\_-\_-SA**

PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

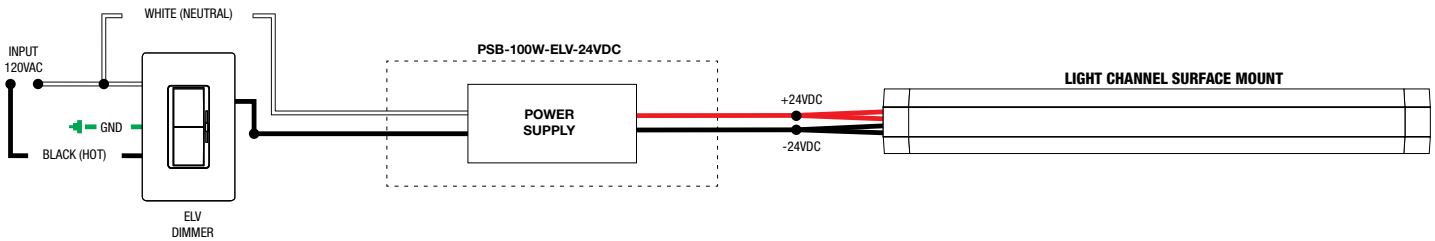
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

## Wiring Diagram: Electronic Low Voltage (ELV) dimming for Light Channel 45°

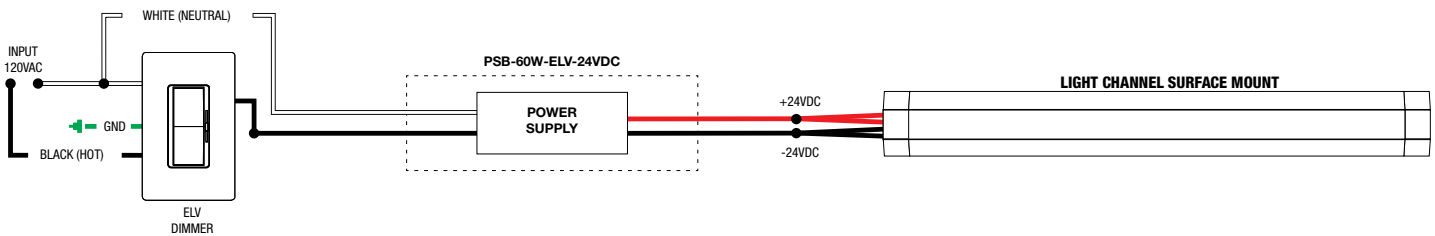
- Application:** Electronic low-voltage dimming for 45° Light Channel
- Power Supply:** 120VAC input, 24VDC 96 watt output PSB-100W-ELV-24VDC  
 120VAC input, 24VDC 60 watt output PSB-60W-ELV-24VDC  
 120VAC input, 24VDC 40 watt output PS-40W-ELV-24VDC

**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.

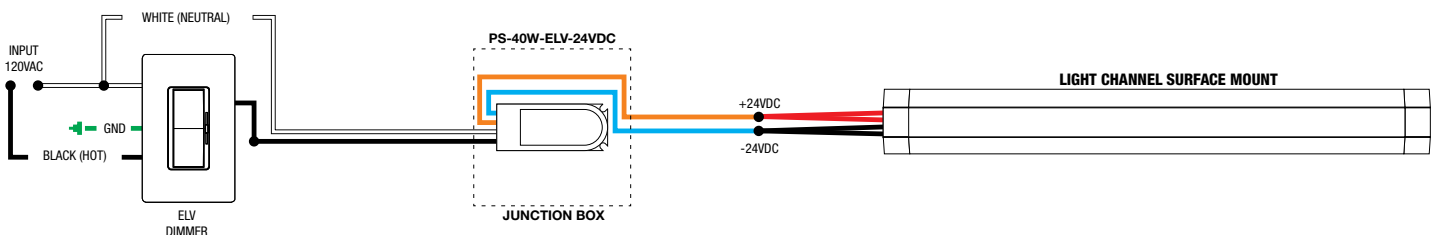
PSB-100W-ELV-24VDC



PSB-60W-ELV-24VDC



PS-40W-ELV-24VDC



PROJECT		FIXTURE TYPE		DATE	
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# LIGHT CHANNEL 45° COMPLETE FIXTURE

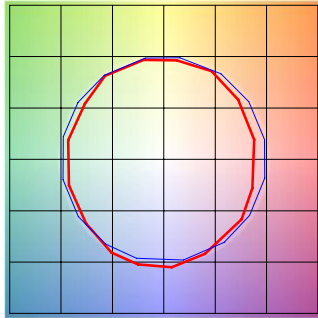
REV 09.12.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**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

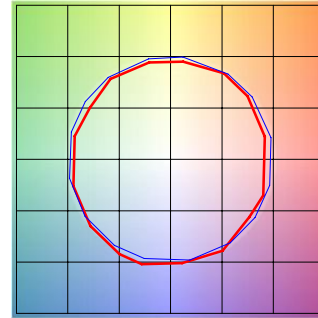


■ Test ■ Reference

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

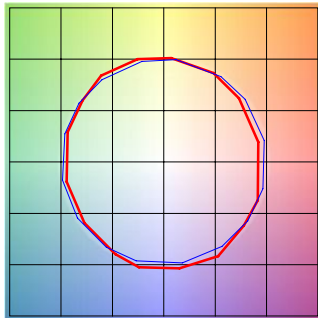


■ Test ■ Reference

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

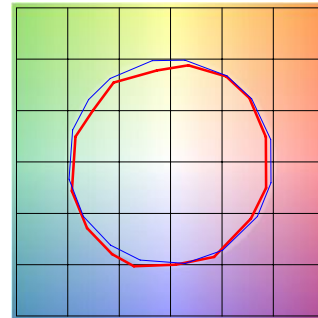


■ Test ■ Reference

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

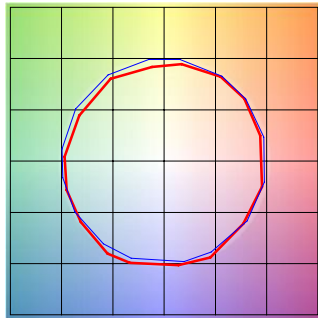


■ Test ■ Reference

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

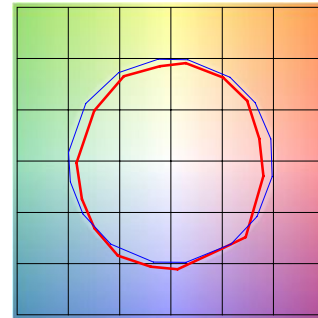


■ Test ■ Reference

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%

PROJECT	FIXTURE TYPE	DATE
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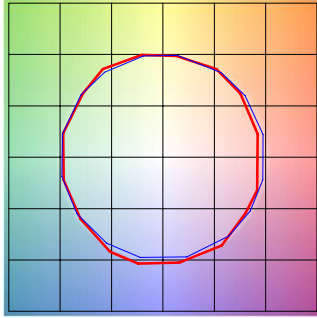
# LIGHT CHANNEL 45° COMPLETE FIXTURE

REV 09.12.2017

**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 | CRI: 95+

COLOR VECTOR GRAPHIC

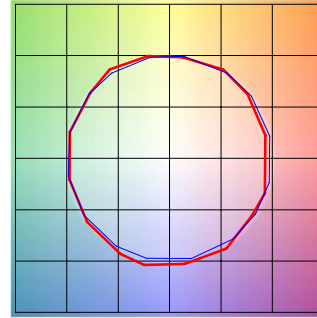


■ Test ■ Reference

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%

**3000D** | Rf: 89.8 | Rg: 101.4 | CRI: 95+

COLOR VECTOR GRAPHIC



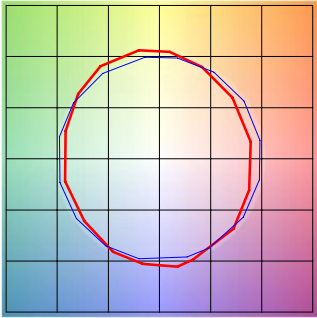
■ Test ■ Reference

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%

**Tunable White: 2000K - 4000K**

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

COLOR VECTOR GRAPHIC

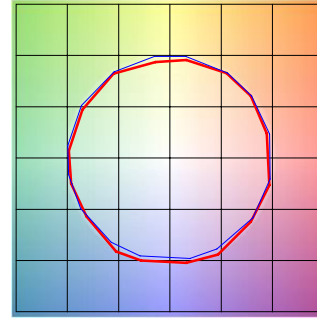


■ Test ■ Reference

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%

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

COLOR VECTOR GRAPHIC

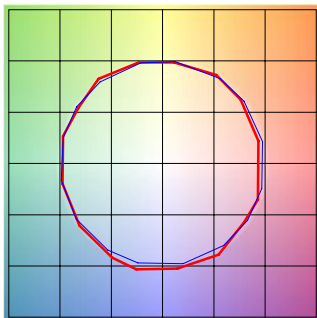


■ Test ■ Reference

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%

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

COLOR VECTOR GRAPHIC



■ Test ■ Reference

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%

PROJECT	FIXTURE TYPE	DATE
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