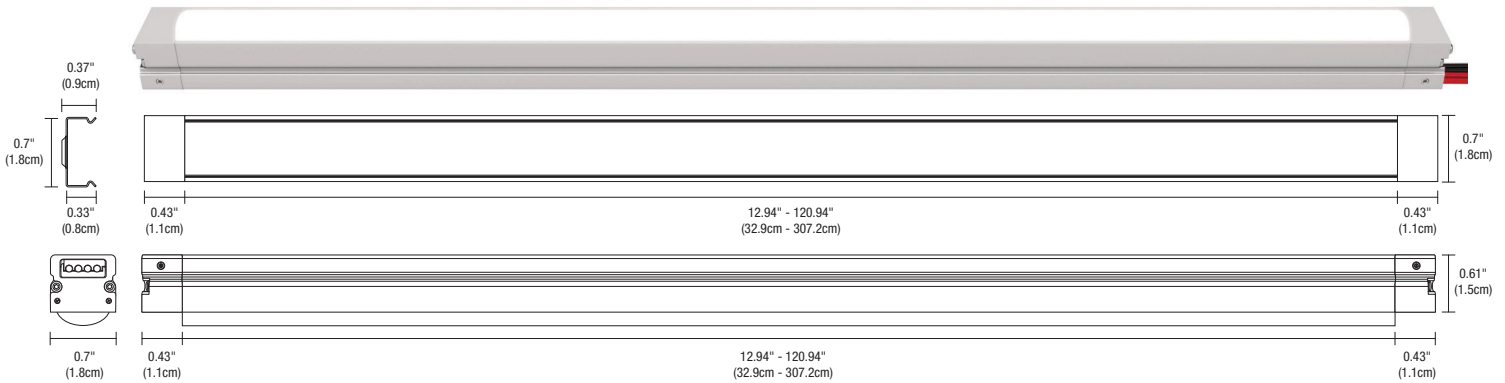




# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017



## Features & Benefits

- Light Channel .6 Micro Grazer 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
- Linear Frosted Lens projects 20 degrees lines of light, some LED dotting
- Clear 7 degree 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 Micro Grazer
- 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>LCMG.6</b>	<b>5W</b>	<b>60</b>	<b>22K</b>	<b>SA</b>
<b>LCMG.6</b> Light Channel .6 Surface Mount Micro Grazer	<b>5W</b> 5 watts <b>7W</b> 7.5 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>L</b> Linear Frost <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 Custom Finishes Available

PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Included Components:** Lens options and lamp data for indoor Light Channel .6 Micro Grazer



**C LCMG.6 Light Channel 7° Clear Lens**

Clear 7 degree Lens provides maximum light levels and will show LED dots



**L LCMG.6 Light Channel 20° Linear Frosted Lens**

Linear Frosted Lens projects 20 degrees lines of light, some LED dotting

Lamp Life is 50,000 hours

LIGHT CHANNEL .6 MICRO GRAZER														
Watts per foot	5W (5 watts)								7W (7.5 watts)					
Color Temperature	2200K	2700K	2700D	3000K	3000D	3500K	4000K	5700K	2200K	2700K	3000K	3500K	4000K	5700K
Clear Lens Lumens per foot	145.4	181	242.2	193.8	293	248	217.5	259.9	279.3	359.5	302.9	347.0	373.9	377.9
Clear Lens Lumens per watt	33.0	47.9	50.5	45.3	61	59.4	52.7	77.3	31.9	46.2	42.5	47.8	50.4	53.9
Linear Frosted Lens Lumens per foot lm/ft	141.9	169	222	185	241	220	218	251	267	341	294	347.0	349	358
Linear Frosted Lens Lumens per watt lm/w	32.3	44.7	46	43	52	50.5	53	58.3	40.1	39.9	41.3	46.5	47.1	51.4
RF	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	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+	95+	95+	85+	84	84	85+	95+	95+	85+	84	84

## Foot Candle Charts

30K 10° 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	2in	475 FC
18in	3in	214 FC
24in	4in	122 FC
36in	6in	78 FC

30K 10° 7W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	2in	742 FC
18in	3in	319 FC
24in	4in	179 FC
36in	6in	114 FC

30K 20° 5W FROSTED LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	4in	242 FC
18in	6in	107 FC
24in	8in	64 FC
36in	12in	42 FC

30K 20° 7W FROSTED LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	4in	363 FC
18in	6in	143 FC
24in	8in	84 FC
36in	12in	56 FC

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

PROJECT	FIXTURE TYPE	DATE
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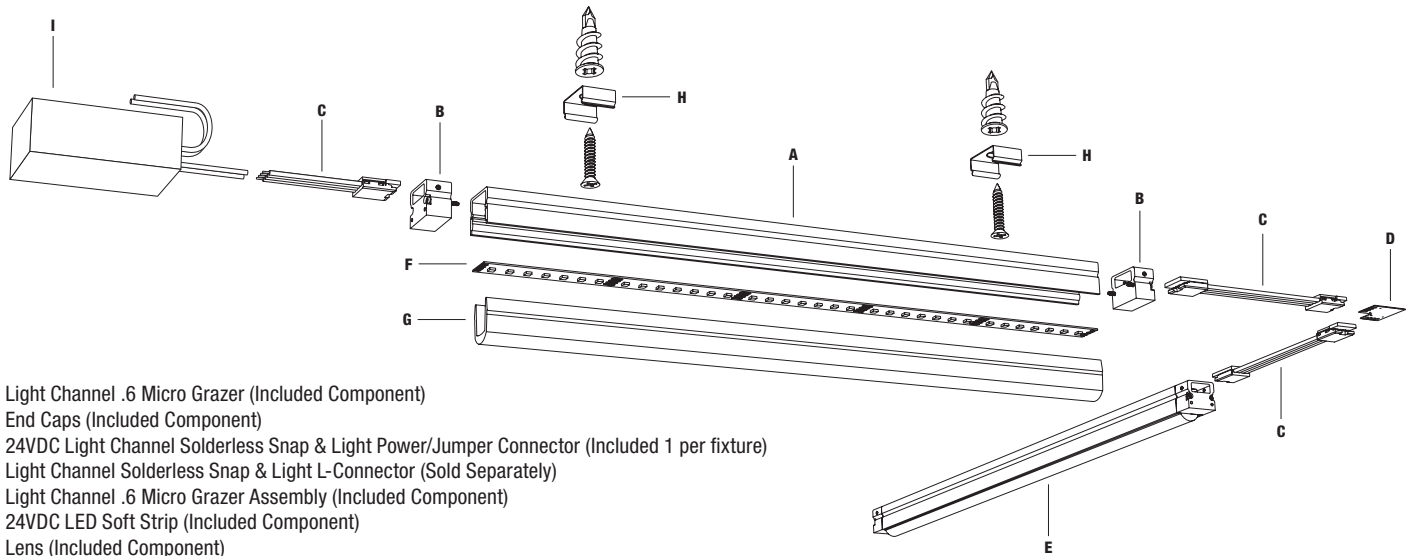


# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Included Components:** Light Channel .6 Micro Grazer system overview



- A. Light Channel .6 Micro Grazer (Included Component)
- B. End Caps (Included Component)
- C. 24VDC 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 .6 Micro Grazer Assembly (Included Component)
- F. 24VDC LED Soft Strip (Included Component)
- G. Lens (Included Component)
- H. Mounting Clips (Included Component 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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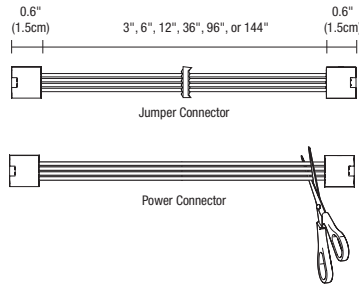
# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE



REV 11.16.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

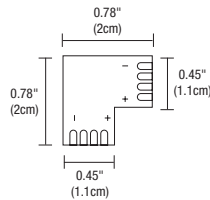
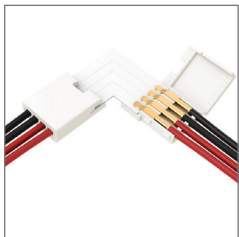
**Accessories:** Indoor Light Channel .6 Surface Mount, order based on lighting design or as replacement parts



## 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.

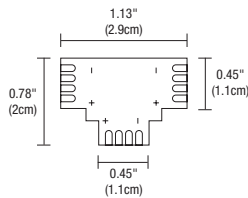
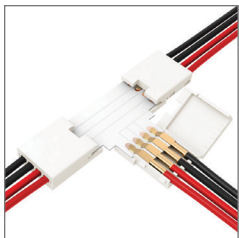
System	Product	Length			
<b>LC</b>	<b>SLC</b>	<b>3IN</b>			
LC Light Channel	SLC Solderless Snap & Light Jumper/Power Connector	<b>3IN</b>	3 Inches	<b>36IN</b>	36 Inches
		<b>6IN</b>	6 Inches	<b>96IN</b>	96 Inches
		<b>12IN</b>	12 Inches	<b>144IN</b>	144 Inches



## 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.

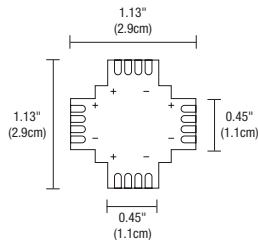
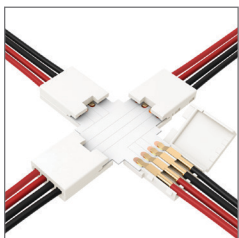
System	Product
<b>LC</b>	<b>SLL</b>
LC Light Channel	SLL Snap & Light L-Connector



## 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.

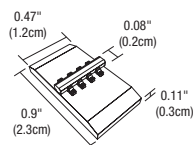
System	Product
<b>LC</b>	<b>SLT</b>
LC Light Channel	SLT Snap & Light T-Connector



## 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 .6 MICRO GRAZER COMPLETE FIXTURE



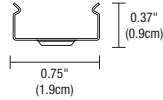
REV 11.16.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Accessories:** Indoor Light Channel .6 Micro Grazer, order based on lighting design or as replacement parts



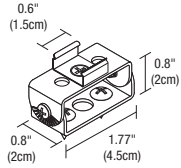
**LCS.6-MCL**



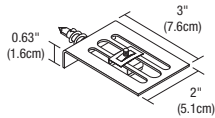
**LCS.6-MCL**

## 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.

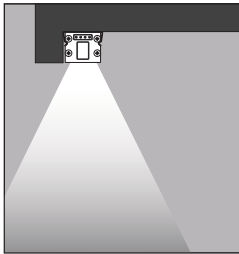


**LCS.6-MCL-075**

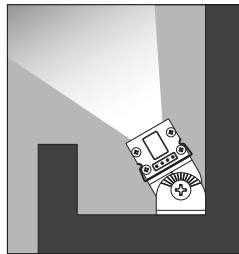


**LCS.6-MCL-90**

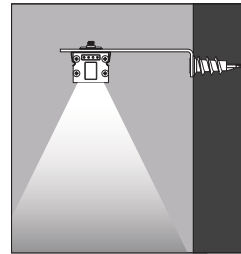
System	Product	Type
<b>LCS.6</b>	<b>MCL</b>	Standard (Leave Blank)
<b>LCS.6</b> Light Channel 0.6" Surface Mount	<b>MCL</b> Mounting Clip	<b>075</b> Adjusts 0-75° <b>90</b> Adjusts 90°



**SHOWN WITH LCS.6-MCL**



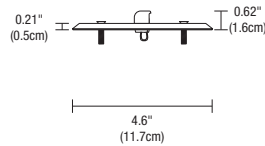
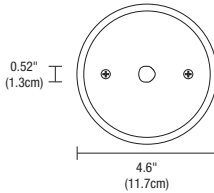
**SHOWN WITH LCS.6-MCL-075**



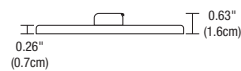
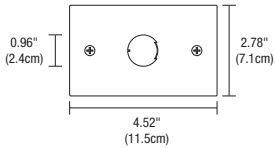
**SHOWN WITH LCS.6-MCL-90**



**4RD-WH**



**3RE-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.

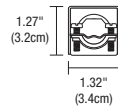
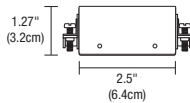
Product	Finish
<b>3RE</b>	<b>WH</b>

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

**WH** White



**1RB-WH**



PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Length Charts:** Actual lengths for Light Channel .6 Micro Grazer

**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	12.9	68	67.2	68.1
15	14.4	15.3	70	69.6	70.5
17	16.8	17.7	72	72.0	72.9
20	19.2	20.1	75	74.4	75.3
22	21.6	22.5	77	76.8	77.7
24	24.0	24.9	80	79.2	80.1
27	26.4	27.3	82	81.6	82.5
29	28.8	29.7	84	84.0	84.9
32	31.2	32.1	87	86.4	87.3
34	33.6	34.5	89	88.8	89.7
36	36.0	36.9	92	91.2	92.1
39	38.4	39.3	94	93.6	94.5
41	40.8	41.7	96	96.0	96.9
44	43.2	44.1	99	98.4	99.3
46	45.6	46.5	101	100.8	101.7
48	48.0	48.9	104	103.2	104.1
51	50.4	51.3	106	105.6	106.5
53	52.8	53.7	108	108.0	108.9
56	55.2	56.1	111	110.4	111.3
58	57.6	58.5	113	112.8	113.7
60	60.0	60.9	116	115.2	116.1
63	62.4	63.3	118	117.6	118.5
65	64.8	65.7	120	120.0	120.9

**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	12.0	12.9	69	69.0	69.9
15	15.0	15.9	72	72.0	72.9
18	18.0	18.9	75	75.0	75.9
21	21.0	21.9	78	78.0	78.9
24	24.0	24.9	81	81.0	81.9
27	27.0	27.9	84	84.0	84.9
30	30.0	30.9	87	87.0	87.9
33	33.0	33.9	90	90.0	90.9
36	36.0	36.9	93	93.0	93.9
39	39.0	39.9	96	96.0	96.9
42	42.0	42.9	99	99.0	99.9
45	45.0	45.9	102	102.0	102.9
48	48.0	48.9	105	105.0	105.9
51	51.0	51.9	108	108.0	108.9
54	54.0	54.9	111	111.0	111.9
57	57.0	57.9	114	114.0	114.9
60	60.0	60.9	117	117.0	117.9
63	63.0	63.9	120	120.0	120.9
66	66.0	66.9			

PROJECT		FIXTURE TYPE		DATE	
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# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

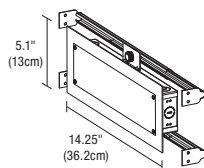
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**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	•	•	•

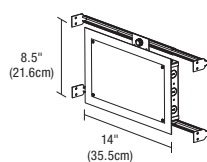
ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS*			
ORDERING CODES	PSB-2X100W-ELV-24VDC	PSB-3X100W-ELV-24VDC	PSB-4X100W-ELV-24VDC
SPECIFICATIONS			
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" 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 .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

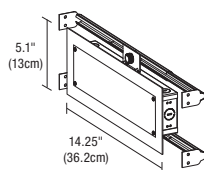
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**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	•	•	•	•

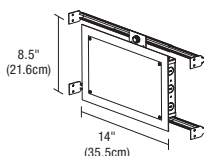
0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†		
ORDERING CODES	PSB-3X96W-010-24VDC	PSB-4X96W-010-24VDC
		
SPECIFICATIONS		
MAXIMUM LOAD	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC
DIMENSIONS	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2
IN WALL MOUNTING	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 .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

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 .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

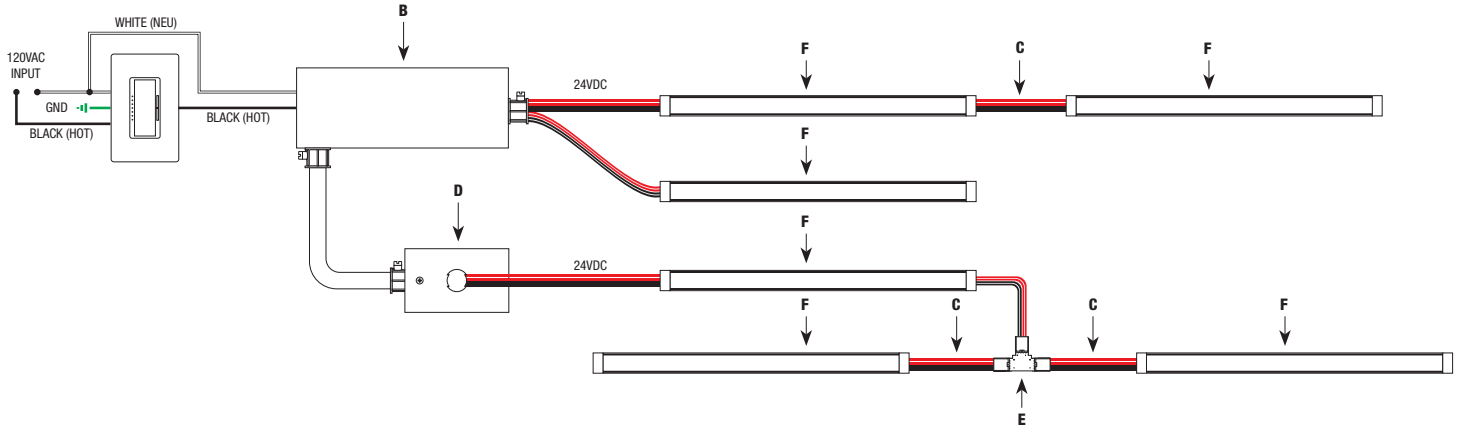
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

**Wiring Diagram:** Electronic Low Voltage (ELV) dimming for Indoor Light Channel .6 Micro Grazer

**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 .6 Micro Grazer

PROJECT	FIXTURE TYPE	DATE



# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

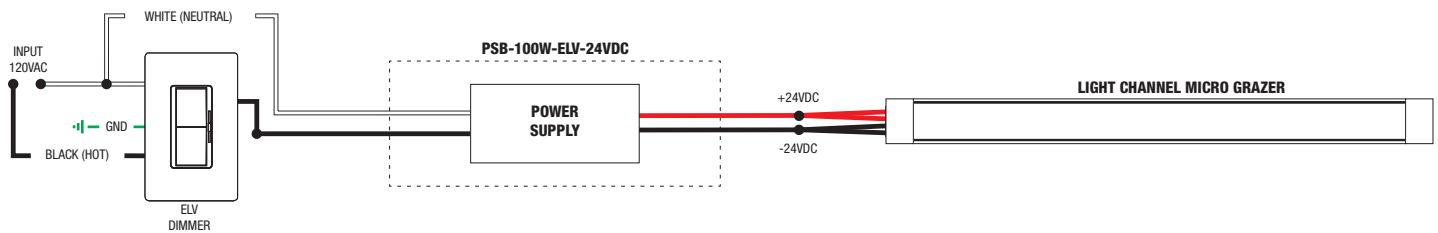
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

## Wiring Diagram: Electronic Low Voltage (ELV) dimming for Indoor Light Channel .3 Micro Grazer

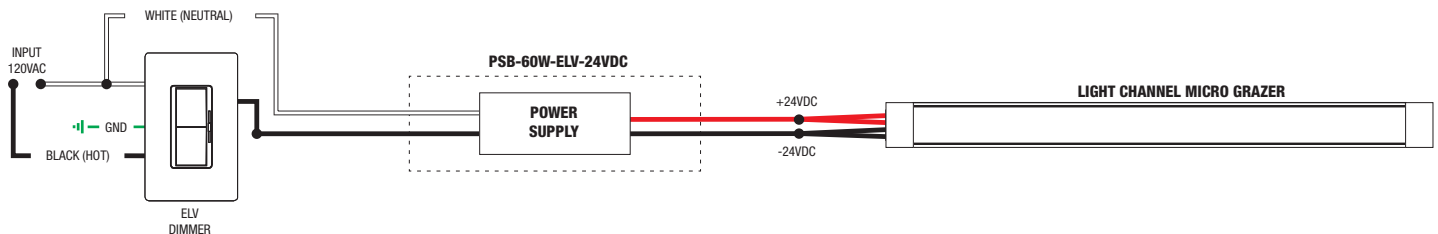
**Power Supply:** 120VAC input, 24VDC 96 watt output PSB-100W-ELV-24VDC, 120VAC input, 24VDC 60 watt output PSB-60W-ELV-24VDC, and 120VAC input, 24VDC 40 watt output PS-40W-ELV-24VDC

**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.

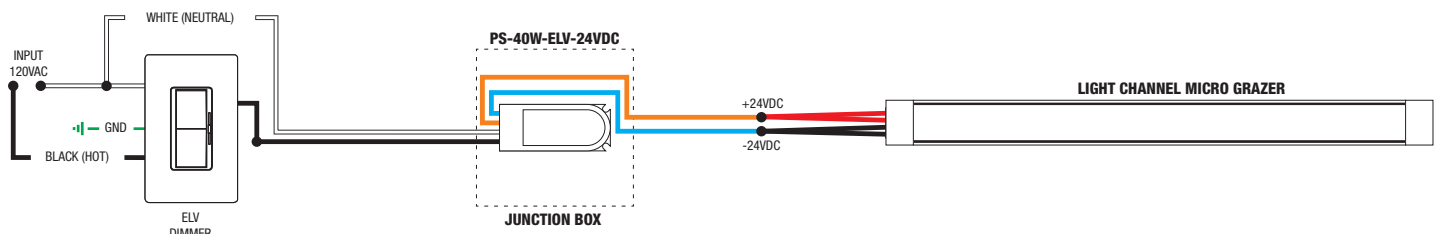
PSB-100W-ELV-24VDC



PSB-60W-ELV-24VDC



PS-40W-ELV-24VDC



PROJECT	FIXTURE TYPE	DATE
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# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

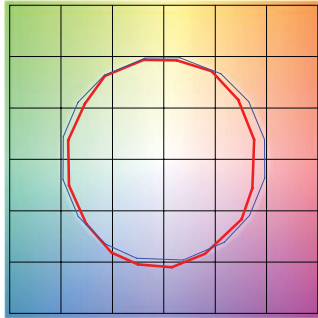
REV 11.16.2017

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

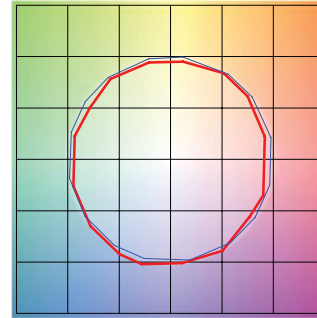


■ Test ■ Reference

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

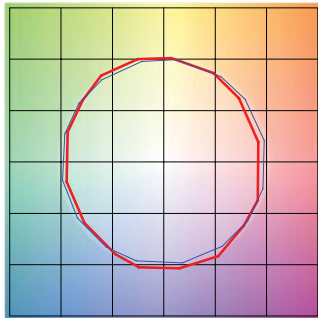


■ Test ■ Reference

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

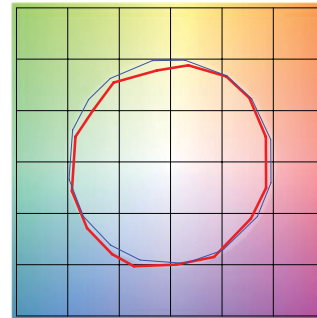


■ Test ■ Reference

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

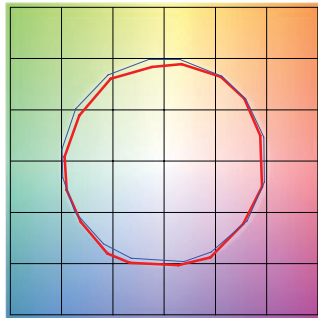


■ Test ■ Reference

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

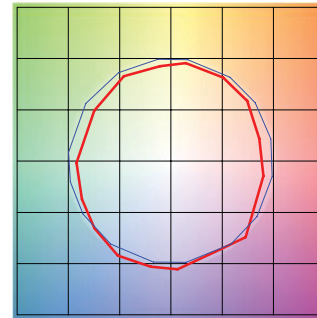


■ Test ■ Reference

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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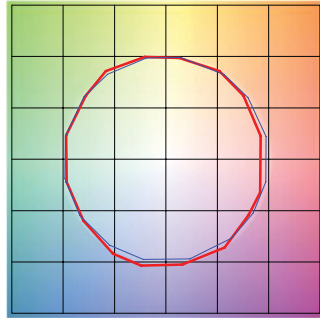
# LIGHT CHANNEL .6 MICRO GRAZER COMPLETE FIXTURE

REV 11.16.2017

**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

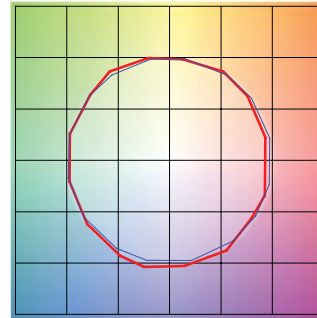


■ Test ■ Reference

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



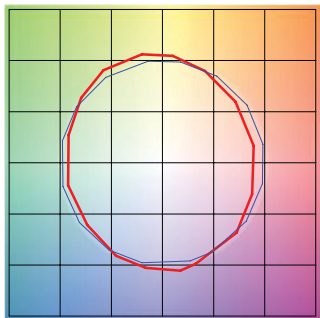
■ Test ■ Reference

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

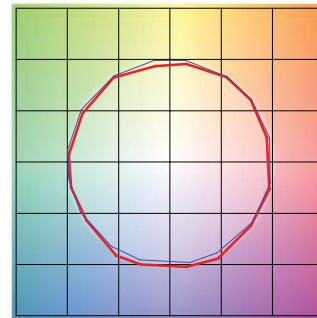


■ Test ■ Reference

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

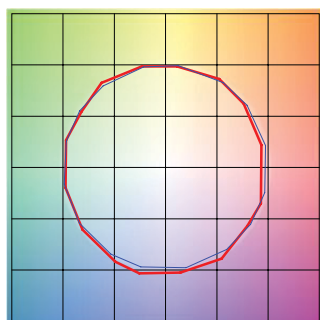


■ Test ■ Reference

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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