



# LIGHT CHANNEL COMPLETE FIXTURE 0.3" LIGHT CHANNEL

## 24VDC 3W & 5W, LAZER STRIP COB™ MONOCHROMATIC COLOR



DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 04.04.25



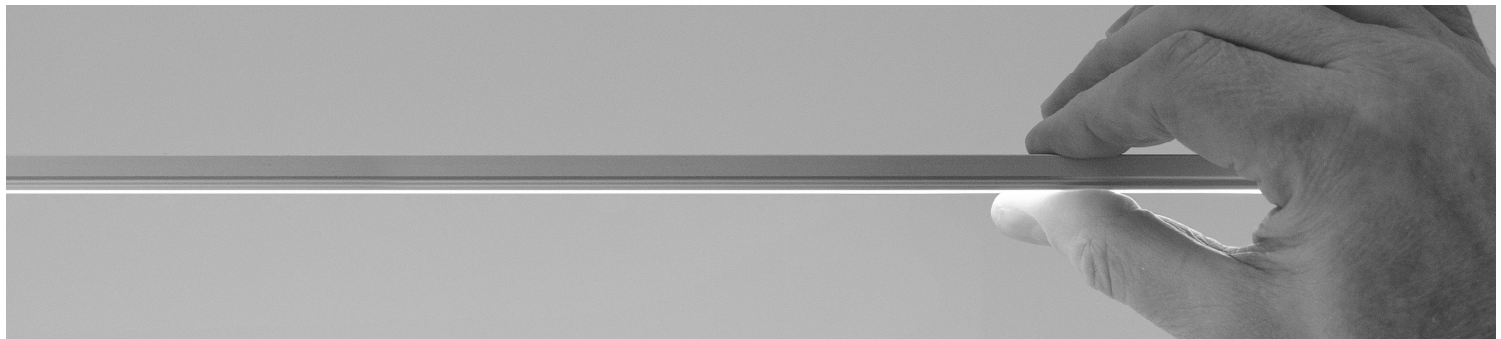
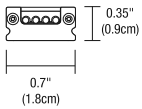
### LCS.3 LIGHT CHANNEL 100° DIFFUSED LENS WITH LAZER STRIP

Diffused Lens provides a greater dispersion of light levels without pixelation



### LCS.3 LIGHT CHANNEL 100° CLEAR LENS WITH LAZER STRIP

Clear Lens provides maximum light levels without pixelation



### FEATURES & BENEFITS

- The paintable surface mount channel is available in various sizes up to 120", for longer continuous runs use DIY Light Channel .3 Surface Mount
  - Dynamic Monochromatic Color Effects offered in Amber, Blue, Green and, Red
  - Available in 3 or 5 watts per foot.
  - High CRI offers excellent color-rendering
  - 24VDC Low Voltage, Class 2 wiring up to 100 watts.
  - Remote Power Supplies sold separately
  - 5 year warranty included
- For custom quotes and layout assistance, send your drawings and ideas to our design team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

### APPLICATIONS

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

### LENS OPTIONS

- **(C)** Clear Lens provides maximum illumination use of a 100° transparent clear lens
- **(D)** Diffused White Lens projects clean lines of light 100° eliminating pixelation
- **(G)** Diffused Lens with gel color (**PROVIDED BY CUSTOMER**) Clear and Diffuser Lens are Gel Color Filter Suitable allowing for color personalization. Zircon LED Gel filters recommended. Purchase Gel Lens from [www.leeefilters.com](http://www.leeefilters.com). See manufacturer spec sheet for more information.

### INCLUDED COMPONENTS

- 96" 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' of Channel)

### ACCESSORIES (SOLD SEPARATELY)

- Mounting Clips
- Solderless Snap & Light Power/Jumper Connector
- Solderless Light Channel Connectors L, T, X
- Zircon gel filters

### REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS (SOLD SEPARATELY)

- 24VDC, Class 2 wiring
- [WiZ Pro Connected Smart Power Supplies & Controls](#)
  - [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)
  - [Lutron Hi-Lume/Ecosystem](#)
- \*In-Wall Mounting and drop ceiling Kits available for select power supplies

Product	Wattage	Nominal Size	Lens & Color Temperature		Finish
<b>LCS.3</b>	<b>3W</b>	<b>60</b>	<b>D</b>	<b>RZ</b>	<b>SA</b>
<b>LCS.3</b> Light Channel .3 Surface Mount	<b>3W</b> 3.3 watts <b>5W</b> 4.4 watts	<b>12-120</b> Order in 12" increments up to 120". May be ordered in 3, 5, 8 or 10" increments	<b>D</b> Diffused Lens <b>C</b> Clear Lens <b>G</b> Diffused Lens with Gel Color (Provided by Customer)	<b>AZ</b> Amber <b>RZ</b> Red <b>GZ</b> Green <b>BZ</b> Blue	<b>SA</b> Satin Aluminum <b>XX</b> Custom Finish

PROJECT		FIXTURE TYPE		DATE	
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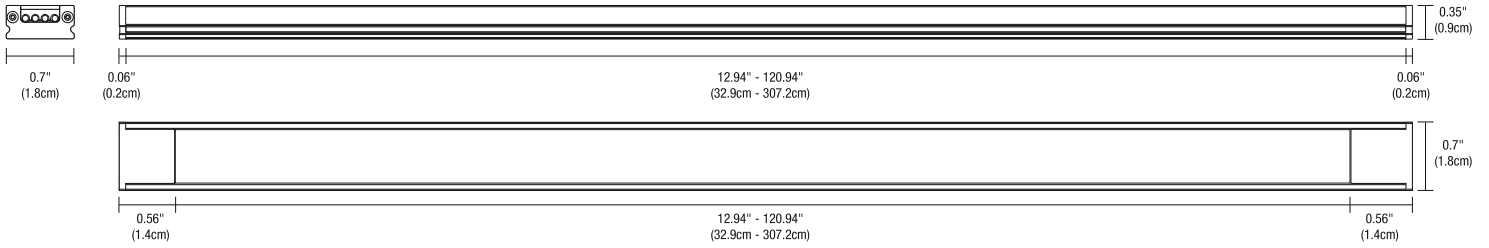


# LIGHT CHANNEL COMPLETE FIXTURE 0.3" LIGHT CHANNEL

24VDC 3W & 5W, LAZER STRIP COB™ MONOCHROMATIC COLOR



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

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

### FOOT CANDLE CHARTS

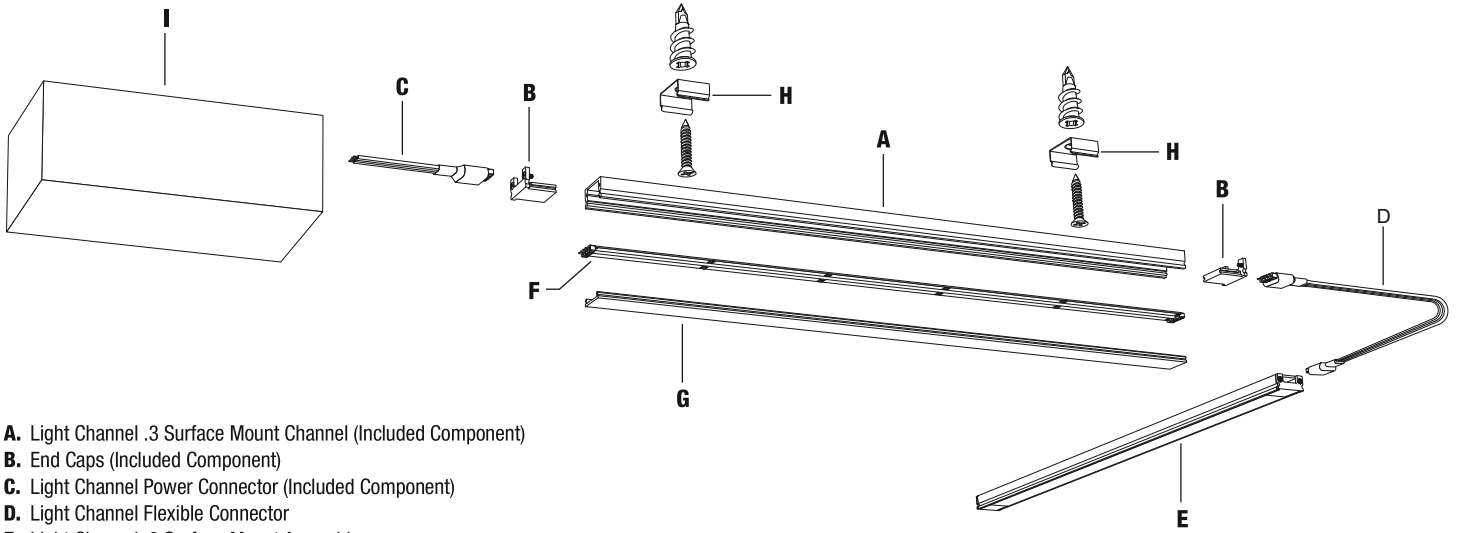
30K 5W DIFFUSED LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	201 FC
18in	21in	110 FC
24in	29in	70 FC
36in	42in	35 FC

30K 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' Channel.

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**Included Components:** Indoor Light Channel .3 Surface Mount system overview

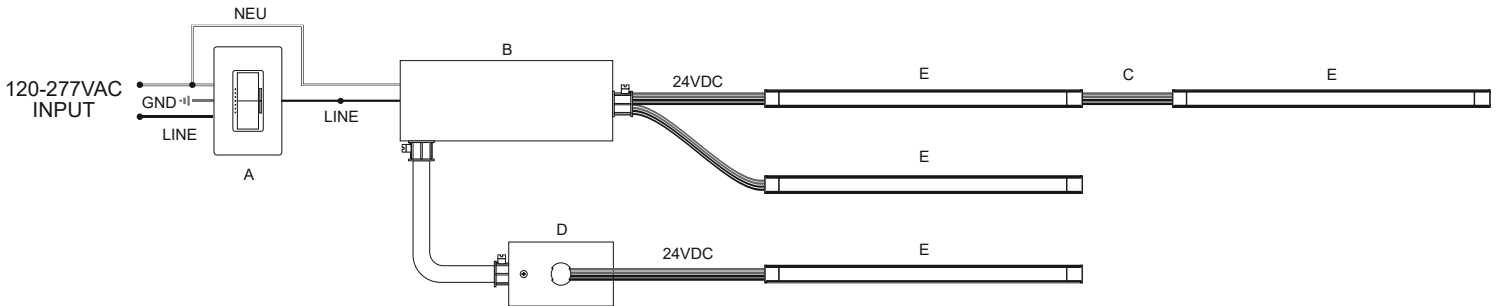


- A.** Light Channel .3 Surface Mount Channel (Included Component)
- B.** End Caps (Included Component)
- C.** Light Channel Power Connector (Included Component)
- D.** Light Channel Flexible Connector
- E.** Light Channel .3 Surface Mount Assembly
- F.** LED Lazer Strip (Included Component)
- G.** Lens (Included Component)
- H.** Mounting Clips (Included Component with every 2' of channel)
- I.** Remote Power Supply (Sold Separately)

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

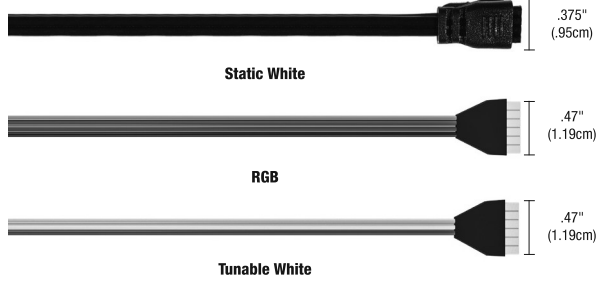
**Power Supply:** 120VAC input, 24VDC 96 watt output

**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.** Dimmer (ELV Dimmer shown)
- B.** 96W 24VDC Power Supply PSB-96W-UNI-24VDC
- C.** Light Channel Flexible Connector
- D.** 3" Rectangle Canopy Cover 3RE-WH
- E.** Light Channel Fixture

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### POWER FEED CONNECTOR

Female power feed connector cord conducts power from the power supply to the male end of the Lazer strip.

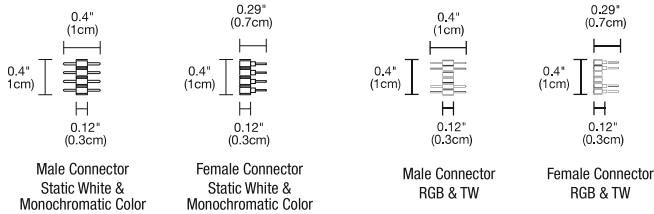
System	Type	Size	Color Temperature
<b>LS</b>	<b>PFE</b>	<b>12FT</b>	
LS Lazer Strip	PFE Power Feed Connector Cord	6FT 6 Feet 8FT 8 Feet 12FT 12 Feet	RGB Red, Green, & Blue TW Tunable White <b>Leave Blank for Static White and Monochromatic Color</b>



### FLEXIBLE CONNECTOR

Flexible connectors link two sections of Lazer Strip end to end.

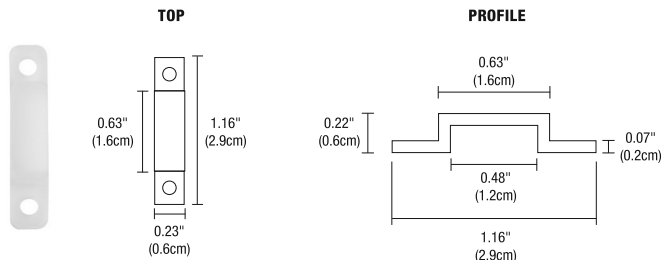
System	Product	Type	Size	Color Temperature
<b>LS</b>	<b>CFX</b>	<b>CON</b>	<b>12IN</b>	
LS Lazer Strip	CFX Flexible Connector	CON Connector	12IN 12 inches 72IN 72 inches	RGB Red, Green, & Blue TW Tunable White <b>Leave Blank for Static White and Monochromatic Color</b>



### PIN CONNECTORS

Extra soldering pin connectors. Male and female.

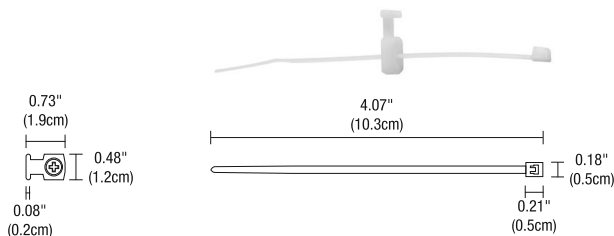
System	Product	Type	Color Temperature
<b>LS</b>	<b>ML</b>	<b>CON</b>	
LS Lazer Strip	FE Female Connector ML Male Connector	CON Connector	RGB Red, Green & Blue (Tunable White compatible) <b>Leave Blank for Static White and Monochromatic Color</b>



### LAZER STRIP U-STRAP

Use every 6 - 12 inches for extra support (30/package).

Product	Type
<b>SS</b>	<b>SU</b>
SS Strip Strap	SU U-Strap



### LAZER STRIP TIE STRAP

Use every 6 - 12 inches for extra support (30/package).

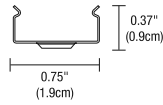
Product	Type
<b>SS</b>	<b>ST</b>
SS Strip Strap	ST Tie Strap

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



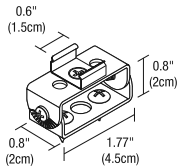
**LCS.6-MCL**



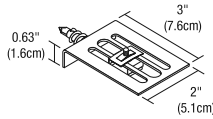
**LCS.6-MCL**

**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.

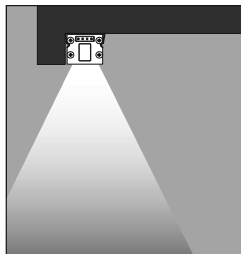


**LCS.6-MCL-075**

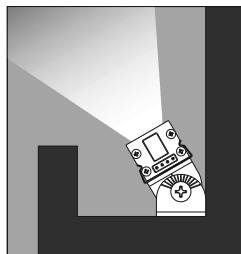


**LCS.6-MCL-90**

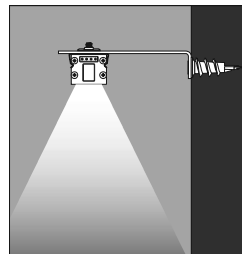
System	Product	Type
<b>LCS.6</b>	<b>MCL</b>	<b>STANDARD (LEAVE BLANK)</b>
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	<b>075</b> Adjusts 0-75° <b>90</b> Adjusts 90°



**SHOWN WITH LCS.6-MCL**



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



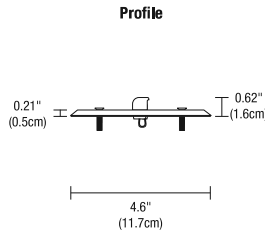
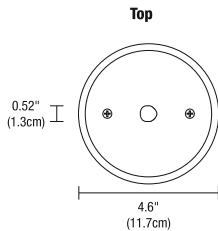
**SHOWN WITH LCS.6-MCL-90**

**CANOPY COVER & SPLICE BOX**

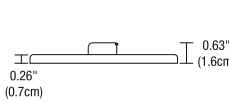
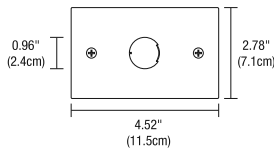
Use for remote located power supply. The 3 inch rectangle or 4 inch round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.



**4RD-WH**



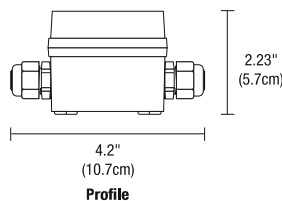
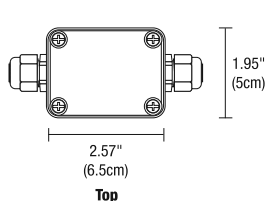
**3RE-WH**



Product	Finish
<b>3RE</b>	<b>WH</b>
<b>3RE</b> 3" Rectangle Canopy Cover	<b>WH</b> White
<b>4RD</b> 4" Round Canopy Cover	

**JUNCTION BOX**

Low voltage Splice Box with connectors.



Product	Type	Option
<b>2RE</b>	<b>JBOX</b>	<b>W</b>
<b>2RE</b> 2" Rectangle	<b>JBOX</b> Junction Box	<b>W</b> Wet Location

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