

# LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL

24VDC 5W, LAZER STRIP COB™ RGB

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 04.17.25



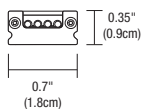
## LCS.3 LIGHT CHANNEL 100° DIFFUSED LENS WITH LAZER STRIP

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
- Lazer Strip: Remote Phosphor Technology eliminates Pixelation
- RGB provides dynamic color effects with red, green and blue LEDs
- 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

## 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.leefilters.com](http://www.leefilters.com). See manufacturer spec sheet for more information.

## INCLUDED COMPONENTS

- 6' of wire leads at one or both ends of the fixture
- Mounting Clips (Included with every 2' of Channel)

## ACCESSORIES (SOLD SEPARATELY)

- Mounting Clips
- Zircon gel filters

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

24VDC, Class 2 wiring

- [DMX Dynamic Color Changing](#)
- [Controllers](#)

\*In-Wall Mounting and drop ceiling Kits available for select power supplies

## APPLICATIONS

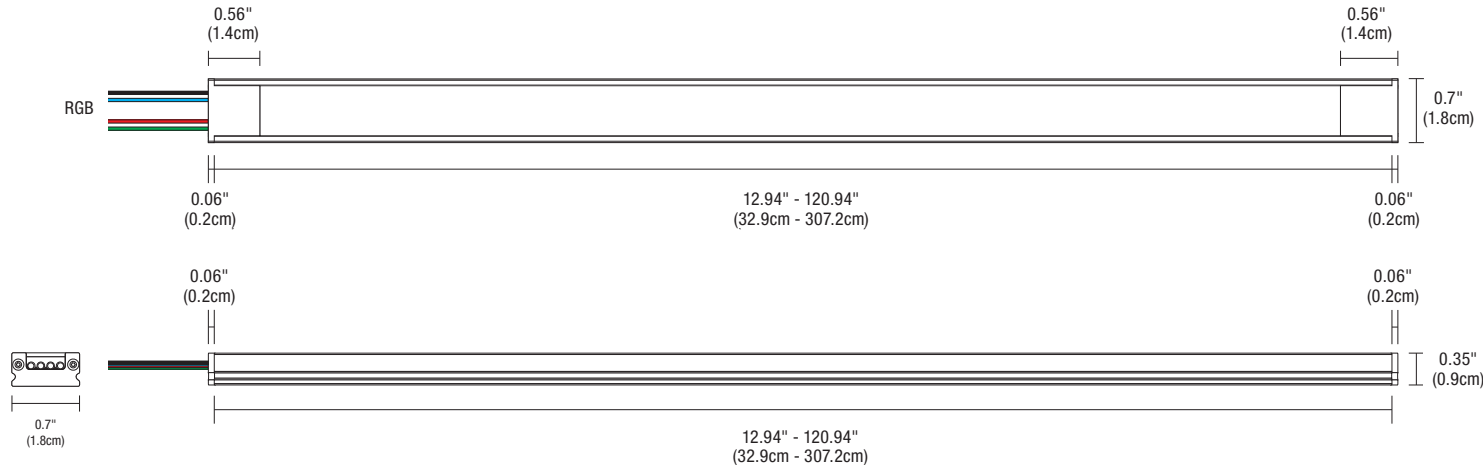
- Indoor damp or dry locations
- Suitable for small spaces requiring a channel less than 0.6" tall
- Task lighting, under/above cabinet, coves and retail

Product	Wattage	Nominal Size	Lens & Color Temperature	Finish
<b>LCS.3</b>	<b>5W</b>	<b>60</b>	<b>D</b> <b>RGB</b>	<b>SA</b>
LCS.3 Light Channel .3 Surface Mount	5W 4.4 watts	12-120 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>RGB</b> Red, Green and Blue <b>SA</b> Satin Aluminum <b>XX</b> Custom Finish

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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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## POWER FEED CONNECTOR

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

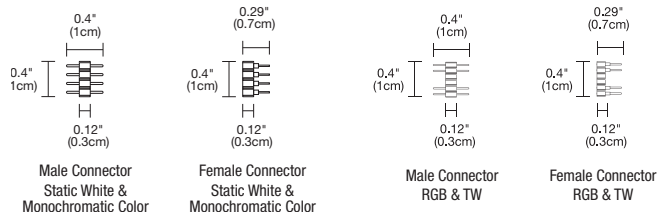
System	Type	Size	Color Temperature
<b>LS</b>	<b>PFE</b>	<b>12FT</b>	
LS Lazer Strip	PFE Power Feed Connector Cord	6FT 6 Feet 8FT 8 Feet 12FT 12 Feet	<b>RGB</b> Red, Green, & Blue <b>TW</b> Tunable White <b>Leave Blank for Static White and Monochromatic Color</b>



## 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	<b>RGB</b> Red, Green, & Blue <b>TW</b> Tunable White <b>Leave Blank for Static White and Monochromatic Color</b>



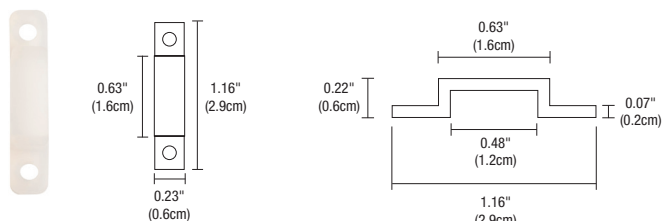
## PIN CONNECTORS

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	<b>RGB</b> Red, Green & Blue (Tunable White compatible) <b>Leave Blank for Static White and Monochromatic Color</b>

TOP

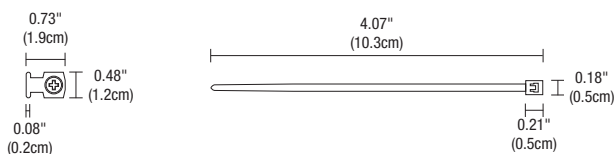
PROFILE



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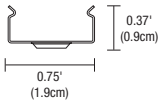
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**Accessories:** Indoor Light Channel .3 Surface Mount, order based on lighting design or as replacement parts



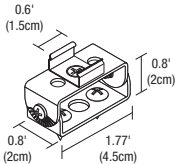
LCS.6-MCL



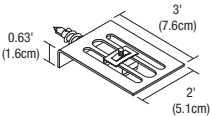
LCS.6-MCL

### 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.

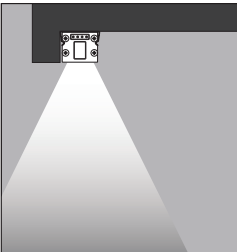


LCS.6-MCL-075

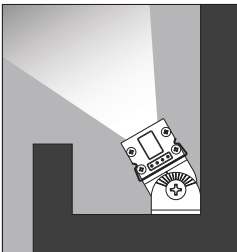


LCS.6-MCL-90

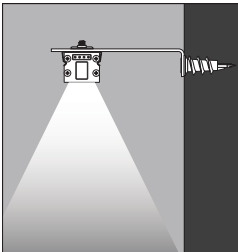
System	Product	Type
<b>LCS.6</b>	<b>MCL</b>	<b>STANDARD</b> (Leave Blank)
LCS.6 Light Channel 0.6' Surface Mount	MCL Mounting Clip	075 Adjusts 0-75° 90 Adjusts 90°



SHOWN WITH LCS.6-MCL



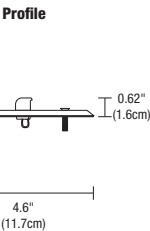
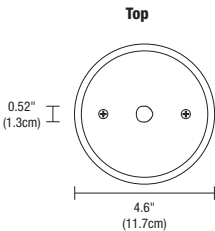
SHOWN WITH LCS.6-MCL-075



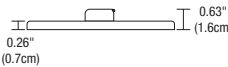
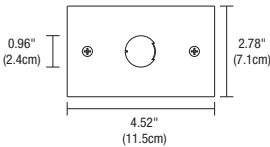
SHOWN WITH LCS.6-MCL-90



4RD-WH



3RE-WH



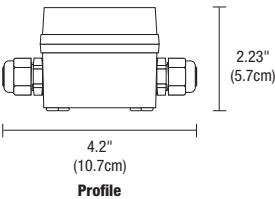
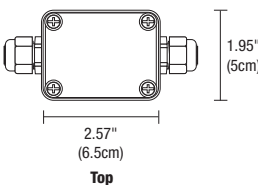
### CANOPY COVER & SPLICE BOX

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" Rectangle Canopy Cover	WH White
4RD 4" Round Canopy Cover	

### JUNCTION BOX

Low voltage Splice Box with connectors.



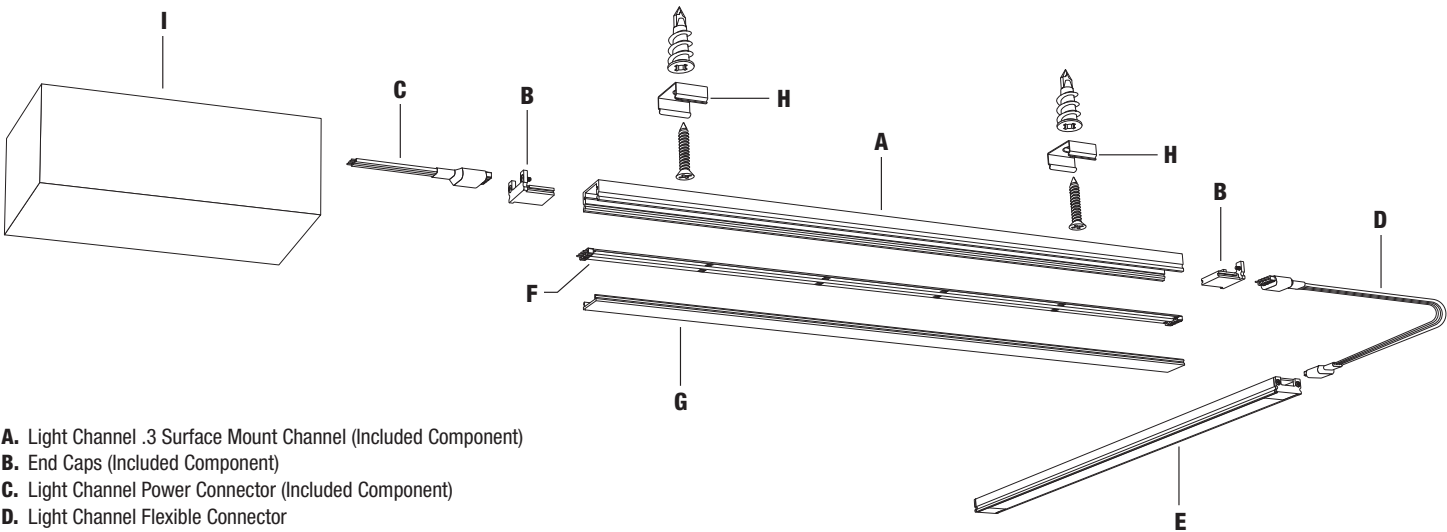
Product	Type	Option
<b>2RE</b>	<b>JBOX</b>	<b>W</b>
2RE 2" Rectangle	JBOX Junction Box	W Wet Location

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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)

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