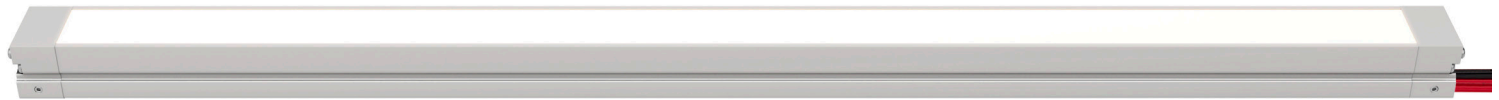


LIGHT CHANNEL COMPLETE FIXTURE 0.6" SURFACE MOUNT

24VDC, MONOCHROMATIC COLOR

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 04.04.25



DESCRIPTION

Light Channel .6" Surface Mount enhances spaces with depth and dimension, seamlessly integrating into the architecture while delivering premium task lighting for applications like under cabinets, bathrooms, work surfaces, and more. Our slim profile, made-to-order LED channel offered in 5 watts per foot with monochromatic effects in Red, Amber, Blue, and Green. Available with a diffused white lens or clear lens for maximum light levels, both offered with black or white louver options. Order in 2" or 3" increments from 12" up to 120"(10'). Click here for all [Other Color Temperatures](#). For Field cuttable runs, see DIY spec sheet. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

SPECIFICATIONS

- 24VDC, Class 2
- 5 watts per foot
- 100° Diffused or Clear Lens
- 2 and 3-inch increments up to 120"(10ft)
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

LENS OPTIONS

- Clear Lens (**C**) provides maximum illumination use of a transparent lens, LEDs diodes will show
- Clear Lens White Louver (**CLW**)
- Clear Lens Black Louver (**CLB**)
- Diffused White Lens (**D**) projects clean lines of light eliminating pixelation
- Diffused Lens White Louver (**DLW**)
- Diffused Lens Black Louver (**DLB**)

LAMP

- Monochromatic Red, Amber, Blue, and Green
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

INCLUDED COMPONENTS

- 72" Power Connector (includes one per fixture). Order extra as needed based on your installation requirements
- Mounting Clips (included with every 2' of Channel)

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

24VDC, Class 2 wiring

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)
- [Electronic Low Voltage \(ELV\)](#) 50W (fits inside junction box)
- [Lutron](#) Hi-Lume/Ecosystem

*In-wall mounting and drop ceiling kits available for select power supplies

COMPLIANCE

ETL, Class 2, Damp Location, Manufactured in USA.

APPLICATIONS

Designed for indoor use only. Ideal applications include display shelving and cabinetry, under-cabinet, cabinet lightning, coves, and bars within residential, commercial, retail, and hospitality environments.

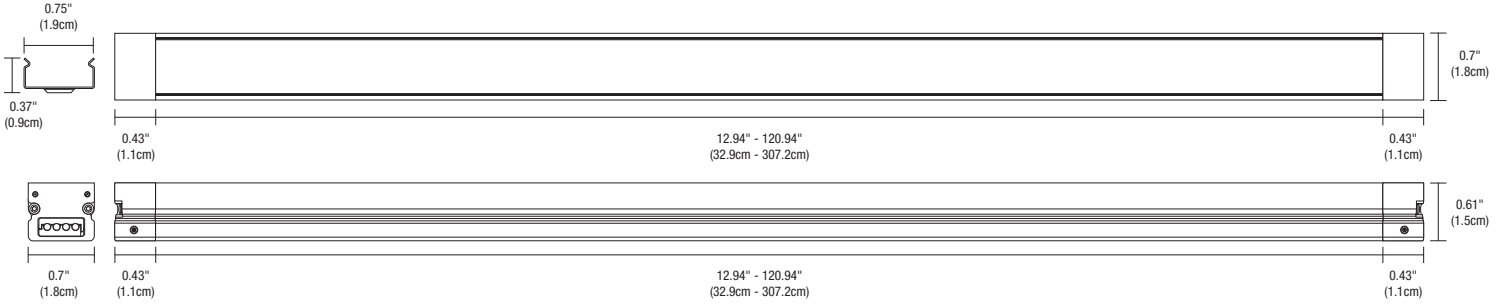
Product	Wattage	Nominal Length	Lens	Color Temperature	Finish
LCS.6	5W	60	D	AAA	SA
LCS.6 Light Channel .6 Surface Mount 5W 4.4 watts 12-120 Available from 12" to 120" in 2" or 3" increments. See chart for exact lengths D Diffused Lens C Clear Lens DLW Diffused Lens with White Louver DLB Diffused Lens with Black Louver CLB Clear Lens with Black Louver CLW Clear Lens with White Louver AAA Amber BBB Blue GGG Green RRR Red SA Satin Aluminum XX Custom Finishes Available					

PROJECT		FIXTURE TYPE		DATE	
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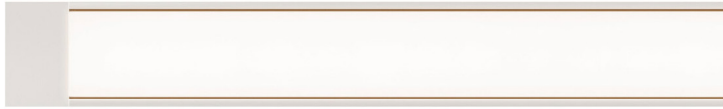
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LENS OPTIONS



LCS.6 LIGHT CHANNEL DIFFUSED LENS White Diffuser Lens projects clean lines of light, eliminating pixelation



LCS.6 LIGHT CHANNEL CLEAR LENS Clear Lens provides maximum light levels and will show slight pixelation



LCS.6 LIGHT CHANNEL DIFFUSED WHITE LENS WITH WHITE LOUVER



LCS.6 LIGHT CHANNEL DIFFUSED LENS WITH BLACK LOUVER



LCS.6 LIGHT CHANNEL CLEAR LENS WITH WHITE LOUVER



LCS.6 LIGHT CHANNEL CLEAR LENS WITH BLACK LOUVER

FOOT CANDLE CHARTS

30K 100° 5W DIFFUSED LENS		
DISTANCE	BEAM	FOOT CANDLE
12"	29"	240
18"	43"	106
24"	57"	60
36"	86"	26

30K 100° 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12"	8"	720
18"	13"	320
24"	18"	180
36"	26"	80

*Foot Candle Data is based off 4' Channel.

PROJECT		FIXTURE TYPE		DATE	
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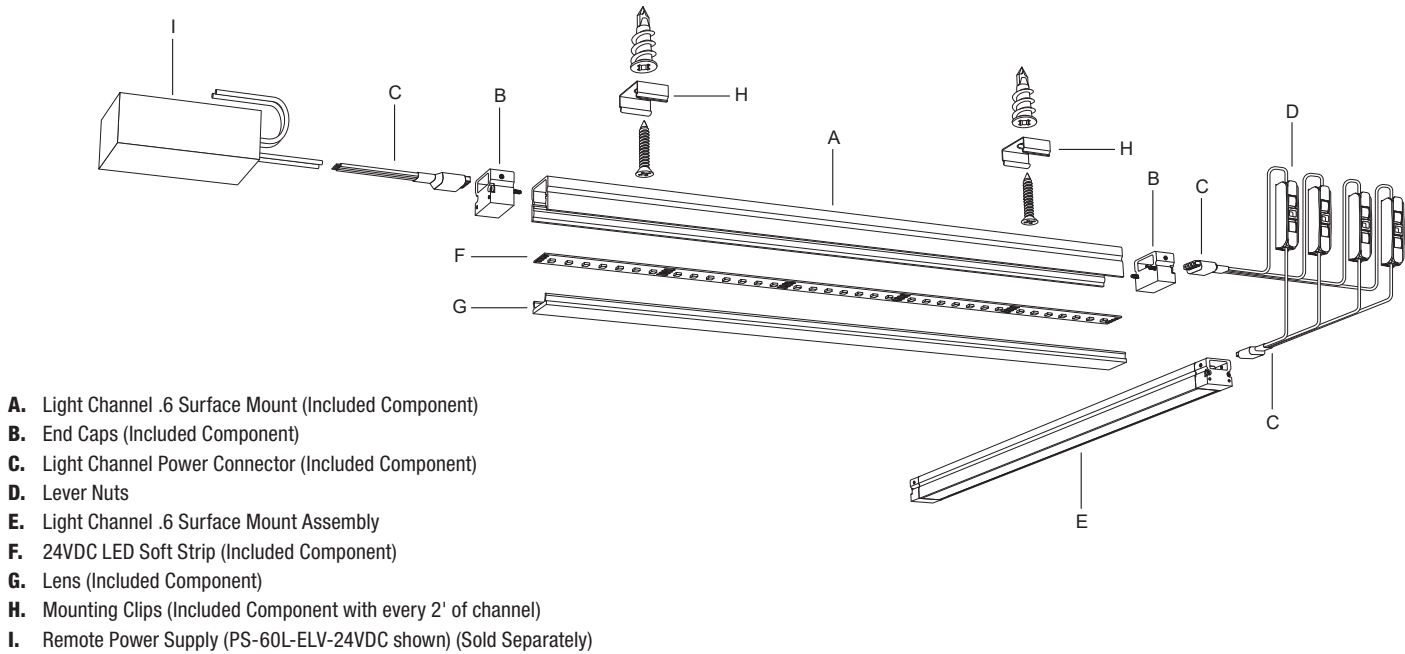
ACTUAL LENGTHS FOR LIGHT CHANNEL .6 SURFACE - MONOCHROMATIC								
Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12.0	12.9	48	48.0	48.9	84	84.0	84.9
15	14.4	15.3	51	50.4	51.3	87	86.4	87.3
17	16.8	17.7	53	52.8	53.7	89	88.8	89.7
20	19.2	20.1	56	55.2	56.1	92	91.2	92.1
22	21.6	22.5	58	57.6	58.5	94	93.6	94.5
24	24.0	24.9	60	60.0	60.9	96	96.0	96.9
27	26.4	27.3	63	62.4	63.3	99	98.4	99.3
29	28.8	29.7	65	64.8	65.7	101	100.8	101.7
32	31.2	32.1	68	67.2	68.1	104	103.2	104.1
34	33.6	34.5	70	69.6	70.5	106	105.6	106.5
36	36.0	36.9	72	72.0	72.9	108	108.0	108.9
39	38.4	39.3	75	74.4	75.3	111	110.4	111.3
41	40.8	41.7	77	76.8	77.7	113	112.8	113.7
44	43.2	44.1	80	79.2	80.1	116	115.2	116.1
46	45.6	46.5	82	81.6	82.5	118	117.6	118.5
						120	120.0	120.9

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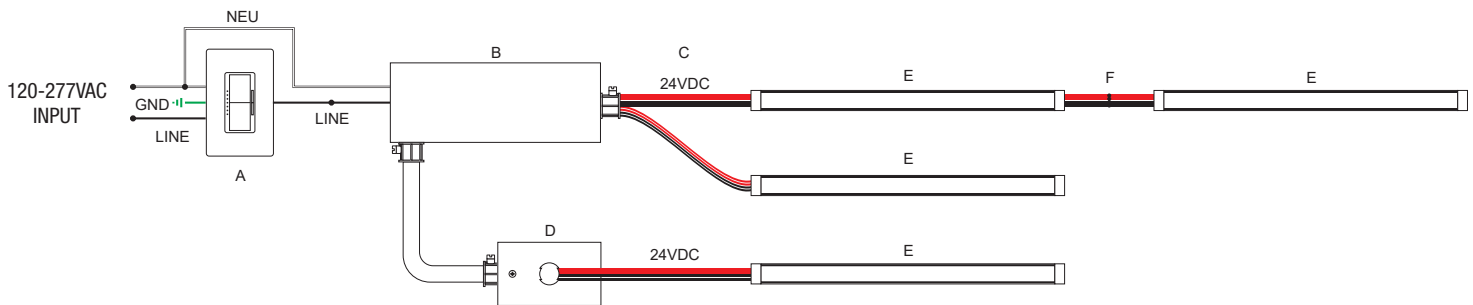
COMPONENTS Light Channel 0.6" Surface Mount System Overview



WIRING DIAGRAM Electronic Low Voltage (ELV) dimming for Light Channel .6 Surface Mount System

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



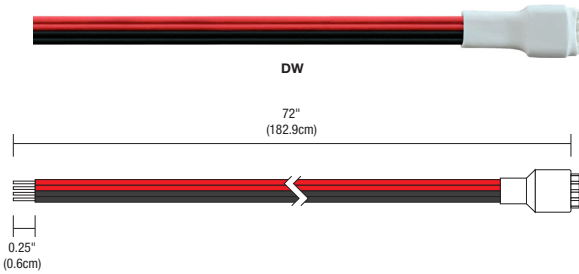
- A. Dimmer (ELV Dimmer shown)
 B. 96W 24VDC Power Supply PSB-96W-UNI-24VDC
 C. Light Channel Power Connector SS-CON-__-DW with Lever Nuts
 D. 3" Rectangle Canopy Cover 3RE-WH
 E. Light Channel Fixture
 F. Light Channel Flexible Connector SS-CFX-CON-__-DW

PROJECT		FIXTURE TYPE		DATE	
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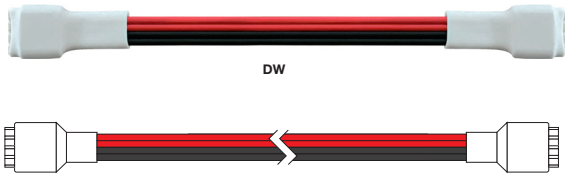
ACCESSORIES: Order based on your lighting design specifications or as replacement parts.



LIGHT CHANNEL POWER CONNECTOR

One Female Power Connector is included with each order of channel. For jumper connections, we recommend using WAGO 221 Lever Nuts according to your specific application requirements.

System	Type	Product	Length	Color Temperature
SS	FE	CON	72IN	DW
SS Stomp/Soft Strip	FE Female Pin	CON Connector	72IN 72"	DW Static White/Monochromatic Color



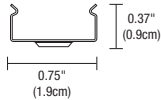
FLEXIBLE CONNECTOR

Flexible connectors link two sections of the Light Channel end to end. WAGO 221 Lever Nuts can also be used as jumper connections according to your specific application requirements.

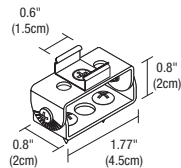
System	Type	Product	Size	Color Temperature
SS	CFX	CON	12IN	DW
SS Stomp Strip/Soft Strip	CFX Flexible Connector	CON Connector	12IN 12 Inches 72IN 72 Inches	DW Static White



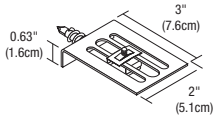
LCS.6-MCL



LCS.6-MCL



LCS.6-MCL-075

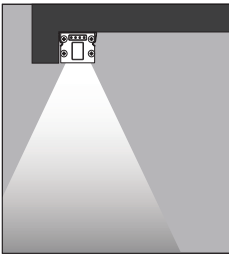


LCS.6-MCL-90

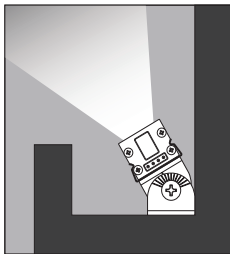
MOUNTING CLIPS

LC-MCL mounting clips are provided with every 2' 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.

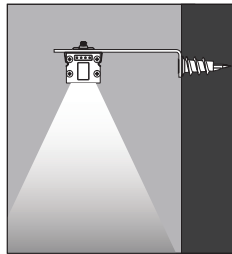
System	Product	Type
LCS.6	MCL	STANDARD (Leave Blank)
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	075 Adjusts 0-75° 90 Adjusts 90°



SHOWN WITH LCS.6-MCL



SHOWN WITH LCS.6-MCL-075



SHOWN WITH LCS.6-MCL-90

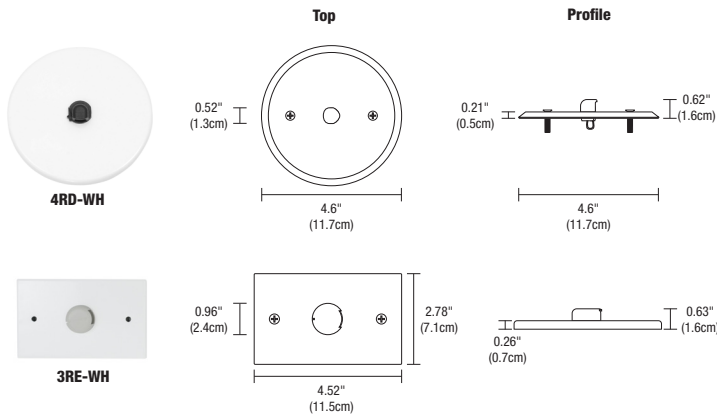
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CANOPY COVER & SPLICE BOX

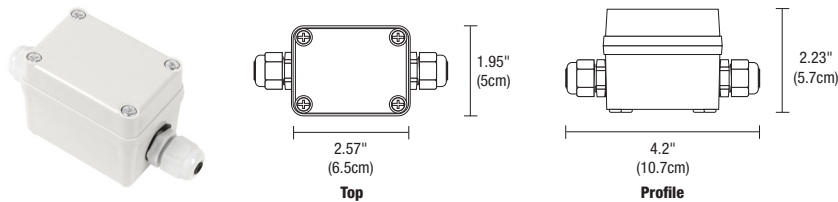
Use for remote located power supply. The 3 inch rectangle or 4 inch round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.



Product	Finish
3RE	WH
3RE 3" Rectangle Canopy Cover	WH White
4RD 4" Round Canopy Cover	

JUNCTION BOX

Low voltage Splice Box with connectors.



Product	Type	Option
2RE	JBOX	W
2RE 2" Rectangle	JBOX Junction Box	W Wet Location