

LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER 24VDC, SURFACE MOUNT, WARM DIM



DESCRIPTION

PureEdge Lighting's Light Channel Micro Grazer brings to life textural walls, panels, masonry, undulating tiles and so much more. The 24VDC surface-mounted channel is a versatile made-to-order, Class 2 luminaire offered in lengths from 12" to 120"(10') in 3" increments. Offered in two variations (**27D** & **30D**) our Warm Dim technology mimics an incandescent atmosphere by decreasing the color temperature as you dim. Our Warm Dim strips can be dimmed all the way down to a soothing amber hue at 1800K, reminiscent of candlelight along the halogen curve. With its combination of flexibility, customization, and quality, Light Channel Micro Grazer is an excellent choice for illuminating a wide range of textured applications. Click here for all [Other Color Temperatures](#). For Field-cuttable runs, see DIY spec sheet. Fixture 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
- 4.8 watts per foot
- 3-inch increments up to 120"(10ft)
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

LENS OPTIONS

- **(C)** Clear Lens provides maximum illumination use of a 7° transparent clear lens, LEDs diodes will show.
- **(L)** Linear Frosted Lens projects some pixelation through a 20° lens

LAMP

- **27D** dims from 2700K down to 1800K, and **30D** dims from 3000K down to 2000K, resembling incandescent light sources
- Lumen Performance: Up to 433lm/ft at 3000K, 5W per foot
- 92+ CRI
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

INCLUDED COMPONENTS

- 72" Power Connector (Included 1 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

- [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

MAKE IT SMART

[Pure Smart™ Wi-Fi Dimmer & Switch](#)

COMPLIANCE

*Title 24 JA8 listed when used with PureEdge remote Universal power Supplies, ETL, Class 2, Damp Location, Made in USA.

APPLICATIONS

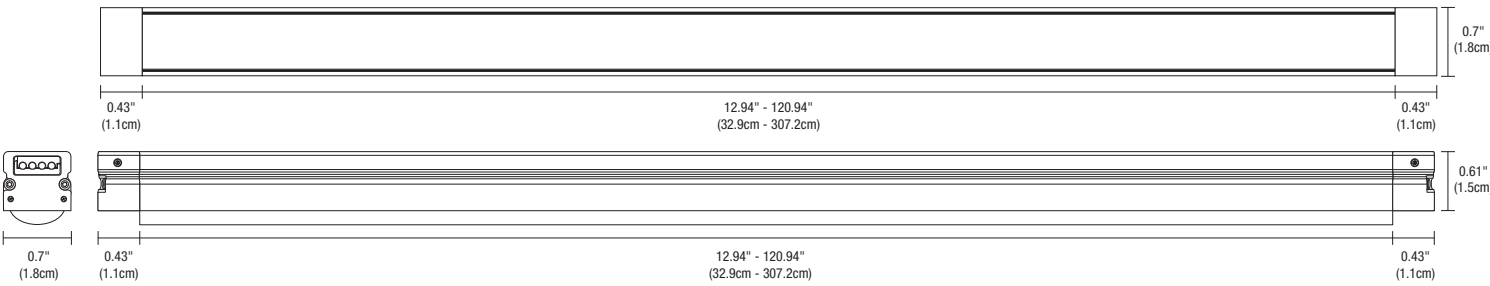
Designed for indoor use only. Ideal applications include display shelving and cabinetry, under-cabinet, cabinet lightning, coves, and bars within residential, commercial, retail, and hospitality environments.

Product	Wattage	Nominal Size	Lens	Color Temperature	Finish
LCMG.6	5W	60	L	27D	SA
LCMG.6 Light Channel .6 Surface Mount Micro Grazer	5W 4.8 Watts	12-120 Order in 3" increments from 12" to 120". See chart for exact lengths.	L Linear Frosted C Clear Lens	27D 2700K-1800K Warm Dim 30D 3000K-2000K Warm Dim	SA Satin Aluminum XX Custom Finishes Available

PROJECT		FIXTURE TYPE		DATE	
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LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER 24VDC, SURFACE MOUNT, WARM DIM

REV 07.02.24



LENS OPTIONS



7° Clear Lens

Clear 7° Lens provides maximum light levels and will show LED diodes



20° Linear Frosted Lens

Linear Frosted Lens projects 20° lines of light, some LED diodes

NOMINAL DELIVERED LUMENS

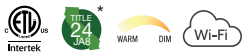
5W (4.8 watts)			
WATTS PER FOOT			
COLOR TEMPERATURE	27D*	30D*	
LUMENS PER FOOT (lm/ft)	416	433	
LUMENS PER WATT (lm/w)	87	90	
RF	89.9	89.7	
RG	99.1	99.3	
CRI	92+	92+	

FOOT CANDLE CHARTS

30K 7° 5W CLEAR LENS			30K 7° 7W CLEAR LENS			30K 20° 5W FROSTED LENS			30K 20° 7W FROSTED LENS		
DISTANCE	BEAM	FOOT CANDLE	DISTANCE	BEAM	FOOT CANDLE	DISTANCE	BEAM	FOOT CANDLE	DISTANCE	BEAM	FOOT CANDLE
12in	2in	475 FC	12in	2in	742 FC	12in	4in	242 FC	12in	4in	363 FC
18in	3in	214 FC	18in	3in	319 FC	18in	6in	107 FC	18in	6in	143 FC
24in	4in	122 FC	24in	4in	179 FC	24in	8in	64 FC	24in	8in	84 FC
36in	6in	78 FC	36in	6in	114 FC	36in	12in	42 FC	36in	12in	56 FC

*Foot Candle Data is based off 4' channel.

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ACTUAL LENGTHS FOR LIGHT CHANNEL MICRO GRAZER - WARM DIM			
Ordering Code (Nominal Size)	Overall Length (Inches)	Ordering Code (Nominal Size)	Overall Length (Inches)
12	12.9	66	66.9
15	15.9	69	69.9
18	18.9	72	72.9
21	21.9	75	75.9
24	24.9	78	78.9
27	27.9	81	81.9
30	30.9	84	84.9
33	33.9	87	87.9
36	36.9	90	90.9
39	39.9	93	93.9
42	42.9	96	96.9
45	45.9	99	99.9
48	48.9	102	102.9
51	51.9	105	105.9
54	54.9	108	108.9
57	57.9	111	111.9
60	60.9	114	114.9
63	63.9	117	117.9
		120	120.9

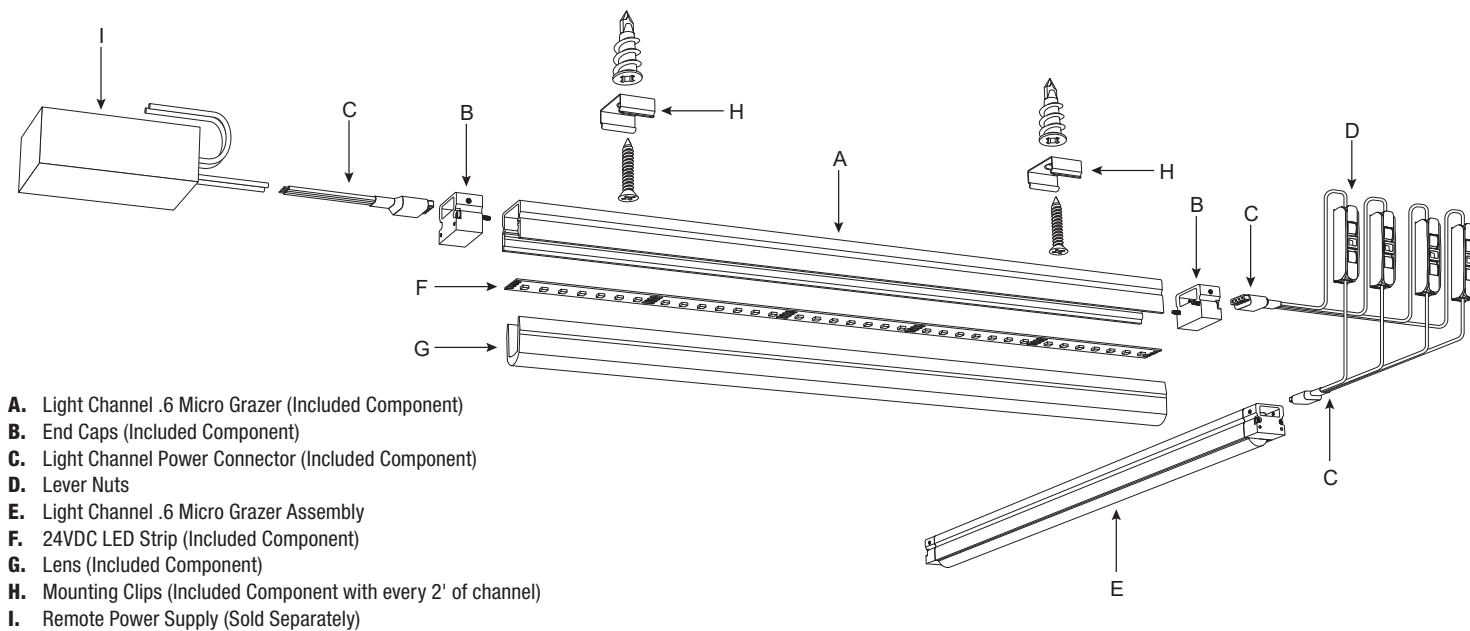
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LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

24VDC, SURFACE MOUNT, WARM DIM

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COMPONENTS: Light Channel .6 Micro Grazer system overview

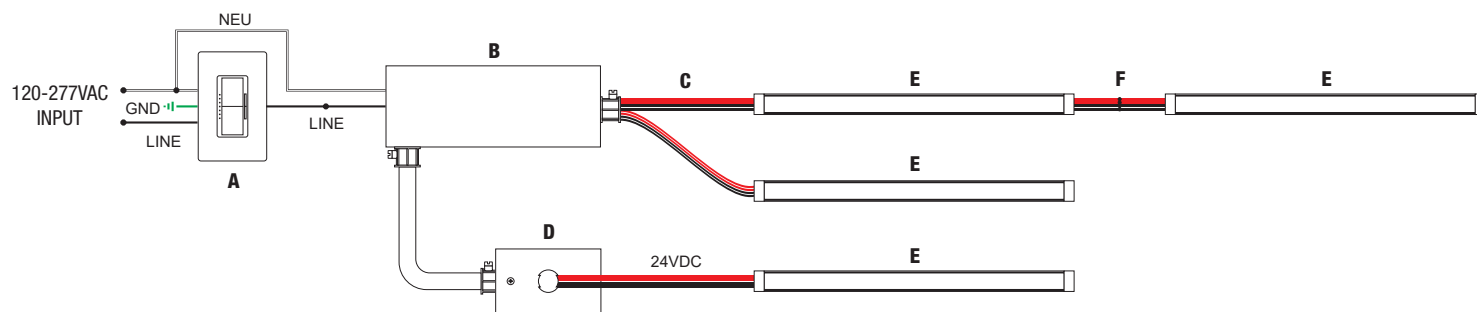


WIRING DIAGRAM: Electronic Low Voltage (ELV) dimming for Indoor Light Channel .6 Micro Grazer

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.



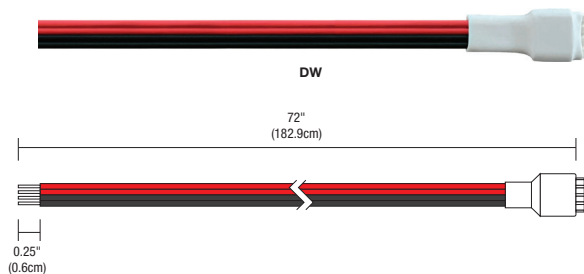
- A.** Dimmer (ELV Dimmer shown)
- B.** 96W 24VDC Power Supply
- C.** Light Channel Power Connector SS-FE-CON-72IN-DW
- D.** 3" Rectangle Canopy Cover 3RE-WH
- E.** Light Channel Fixture
- F.** Light Channel Flexible Connector SS-CFX-CON-__-DW

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LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

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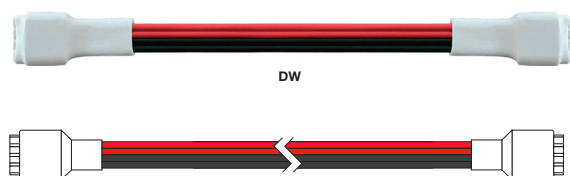
Accessories: Order based on your lighting design specifications or as replacement parts.



LIGHT CHANNEL POWER CONNECTOR

One Female Power Connector is included with each order of channel. For jumper connections, use our Flexible Connector or WAGO 221 lever nuts according to your specific application requirements.

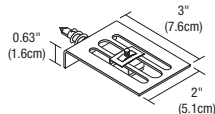
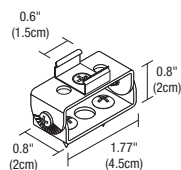
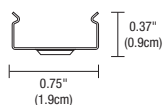
System	Type	Product	Length	Color Temperature
SS	FE	CON	72IN	DW
SS Stomp Strip/Soft Strip	FE Female Pin	CON Connector	72IN 72"	DW Static White/Warm Dim



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.

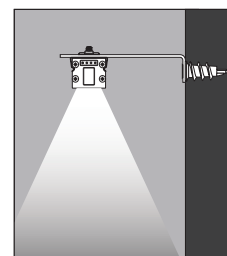
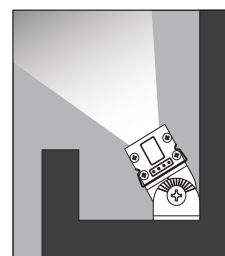
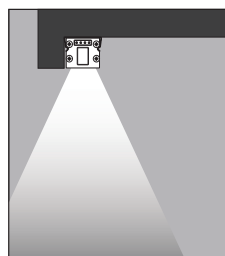
System	Type	Product	Size	Color Temperature
SS	CFX	CON	12IN	DW
SS Stomp Strip/Soft Strip	CFX Flexible Connector	CON Connector	12IN 12 Inches 72IN 72 Inches	DW Static White/Warm Dim



MOUNTING CLIPS

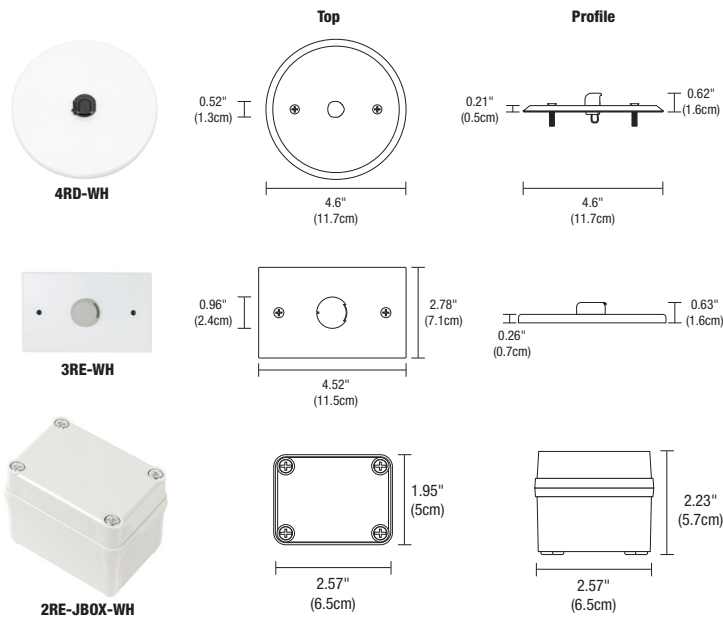
LC-MCL mounting clips are provided with every 2' of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75°. LC-MCL-90 mounts Light Channel at a 90° angle.

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



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CANOPY COVERS & SPLICE BOXES

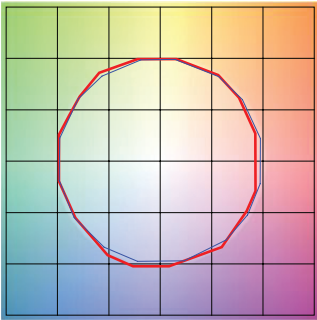
Use for remote located power supply. The 3 inch rectangle or 4 inch round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.

Product	Finish
3RE	WH
3RE	3" Rectangle Canopy Cover
4RD	4" Round Canopy Cover
2RE-JBOX	2" Rectangle Splice Box

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TM-30-15 DATA: The data below is for bare LED Warm Dim Strip. 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.

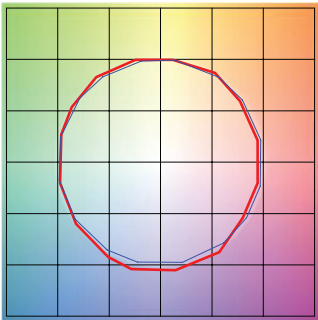
2700D | Rf: 90.7 | Rg: 101.1
Color Vector Graphic



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 2700D.

3000D | Rf: 90.6 | Rg: 101.1
Color Vector Graphic



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 3000D.