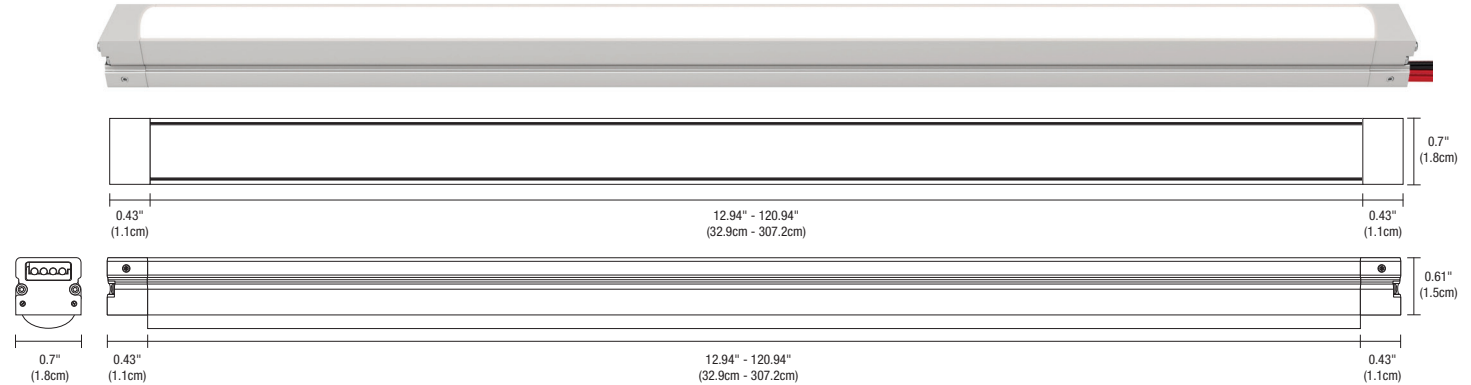


LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

24VDC, SURFACE MOUNT, STATIC WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 07.19.24



DESCRIPTION

PureEdge Lighting's Light Channel Micro Grazer brings to life textural walls, panels, masonry, undulating tiles and so much more. Our 24VDC surface-mounted channel is a versatile made-to-order, Class 2 luminaire offered in lengths from 12" to 120"(10') in 2" or 3" increments for precise sizing. Available in multiple static white color temperatures, from **2400K** to **4000K** up to 95 CRI, ensuring outstanding color rendering as well as two wattage and lens options. With its combination of flexibility, customization, and lighting quality, the 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

FEATURES AND BENEFITS

- Low voltage, 24VDC Power supplies can be remotely located up to 40' away provides installation flexibility
- Slim profile aluminum extrusion easily installs into small spaces
- Low voltage up to 100 watt. Class 2 wiring, eliminates the need for conduit

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

SPECIFICATIONS

- 24VDC, Class 2
- 4.4 or 7.3 watts per foot
- 2 and 3-inch increments up to 120"(10ft)
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

LAMP

- Offered in multiple Static White Color Temperatures: **2400K, 2700K, 3000K, 3500K & 4000K**
- Lumen Performance: 586lm/ft at 3000K 7W per foot
- 95+ 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

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

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

COMPLIANCE

*Title 24 JA8 listed for 2700K CCT and above when used with PureEdge remote Universal power supplies, ETL, Class 2, Damp Location, Made in USA.

APPLICATIONS

Designed for indoor use only. Wall grazing for textured surfaces such as architectural wall panels, hallways, brick, stone, wood and more within residential, commercial, retail, and hospitality environments.

Product	Wattage	Nominal Size	Lens	Color Temperature	Finish
LCMG.6	5W	60	L	27K	SA
LCMG.6 Light Channel .6 Surface Mount Micro Grazer	5W 4.4 watts 7W 7.3 watts	12-120 Available from 12" to 120" in 2" or 3" increments. See chart for exact lengths.	L Linear Frosted C Clear Lens	24K 2400K Very Warm White 27K 2700K Incandescent White 30K 3000K Warm White 35K 3500K Neutral White 40K 4000K Cool White	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, STATIC WHITE

LENS OPTIONS



C 7° Clear Lens

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



L 20° Linear Frosted Lens

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

NOMINAL DELIVERED LUMENS

DIFFUSED LENS										
WATTS PER FOOT	5W (4.4 watts)					7W (7.3 watts)				
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	360	364	379	435	459	557	562	586	672	709
LUMENS PER WATT (lm/w)	82	83	86	99	104	76	77	80	92	97
RF	85.2	87.7	88.1	86.1	87.6	85.2	87.7	88.1	86.1	87.6
RG	97.4	96.1	99.7	96.8	95.5	97.4	96.1	99.7	95.5	96.8
CRI	90+	95+	95+	85+	85+	90+	95+	95+	85+	85+

CLEAR LENS										
WATTS PER FOOT	5W (4.4 watts)					7W (7.3 watts)				
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	351	386	380	483	525	574	631	690	790	858
LUMENS PER WATT (lm/w)	80	88	86	110	119	79	86	94	108	118
RF	85.2	87.7	88.1	86.1	87.6	85.2	87.7	88.1	86.1	87.6
RG	97.4	96.1	99.7	96.8	95.5	97.4	96.1	99.7	95.5	96.8
CRI	90+	95+	95+	85+	85+	90+	95+	95+	85+	85+

FOOT CANDLE CHARTS

30K 7° 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	2in	475 FC
18in	3in	214 FC
24in	4in	122 FC
36in	6in	78 FC

30K 7° 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' channel.

LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER
 24VDC, SURFACE MOUNT, STATIC WHITE

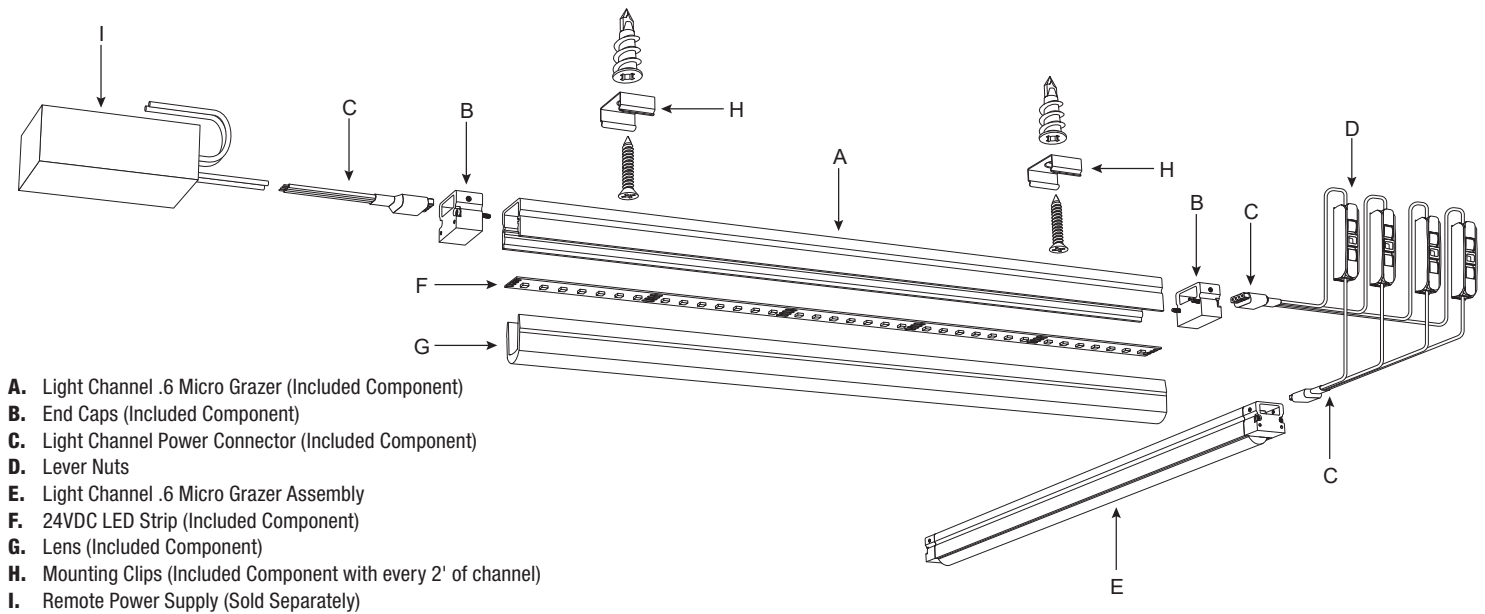
ACTUAL LENGTHS FOR LIGHT CHANNEL MICRO GRAZER - STATIC WHITE					
Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12.0	12.9	68	67.2	68.1
15	14.4	15.3	70	69.6	70.5
17	16.8	17.7	72	72.0	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

LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

24VDC, SURFACE MOUNT, STATIC WHITE

REV 07.19.24

SYSTEM OVERVIEW: Light Channel .6 Micro Grazer

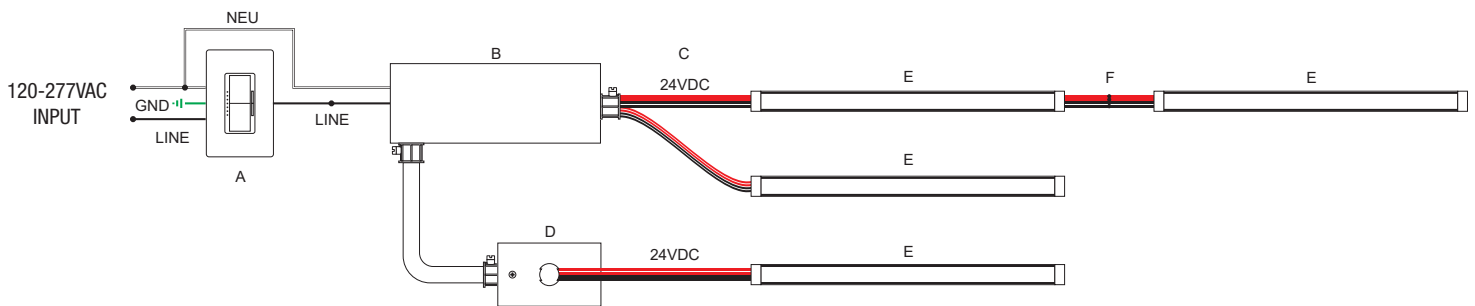


WIRING DIAGRAM: Electronic Low Voltage (ELV) dimming for Indoor Light Channel .6 Micro Grazer

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.



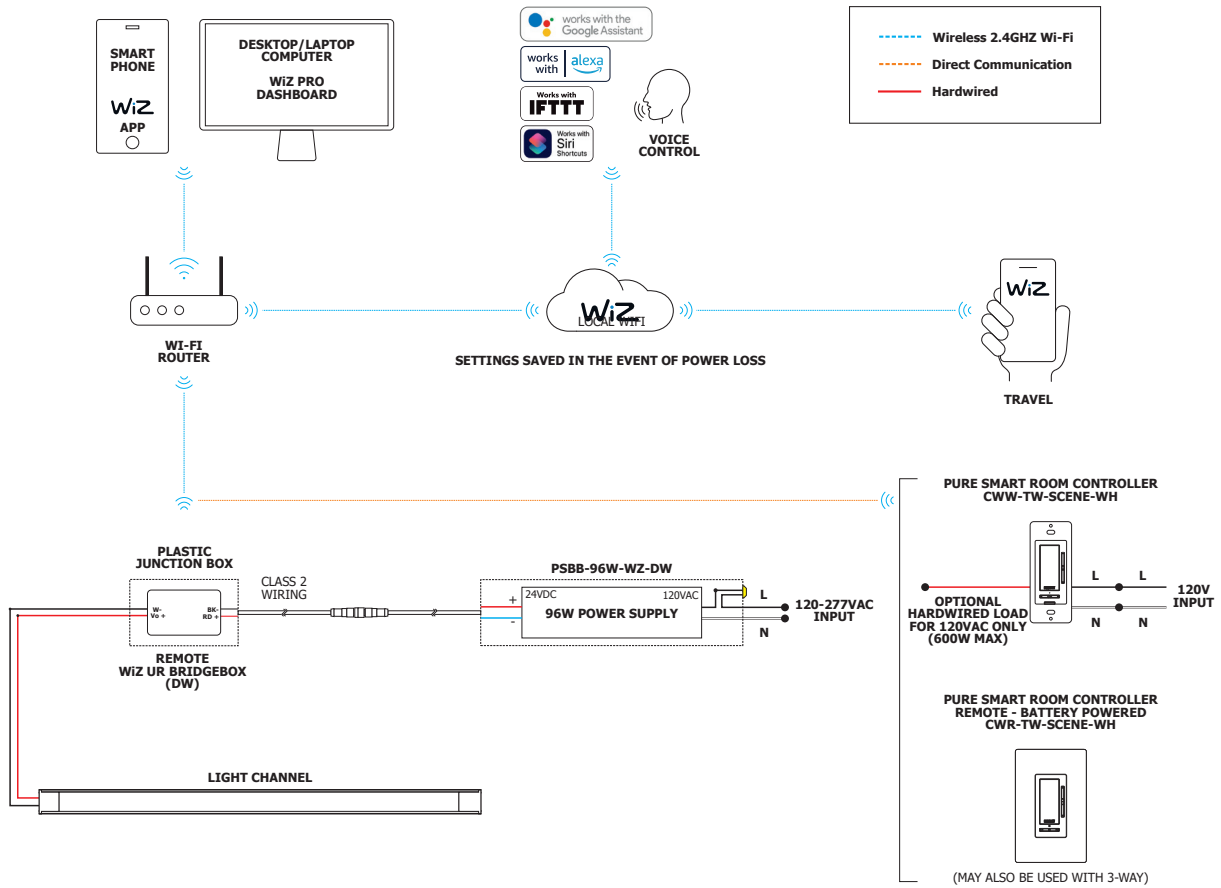
- A. Dimmer (ELV Dimmer shown)
- B. 24VDC Power Supply
- C. Light Channel Flexible Connector SS-FE-CON-72-DW
- D. 3" Rectangle Canopy Cover 3RE-WH
- E. Light Channel Fixture
- F. Light Channel Flexible Connector SS-CFX-CON-__-DW

PROJECT		FIXTURE TYPE		DATE	
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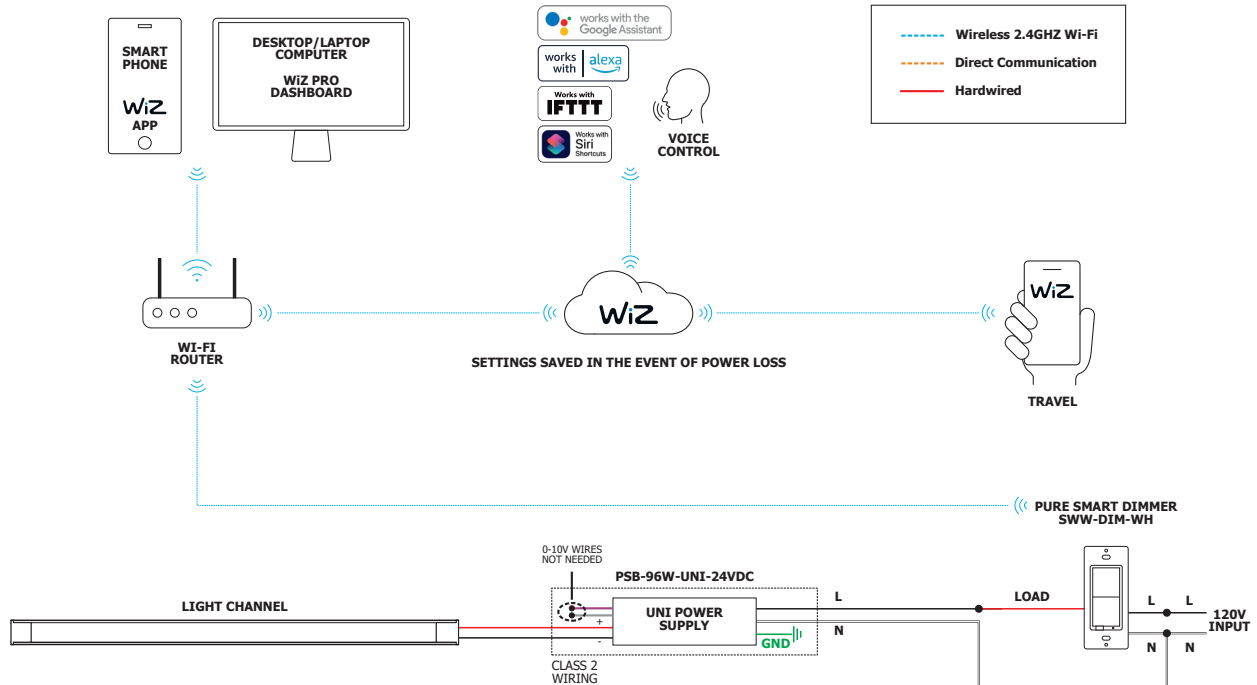
LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

24VDC, SURFACE MOUNT, STATIC WHITE

NETWORK TOPOGRAPHY USING PURE SMART POWER SUPPLY:



NETWORK TOPOGRAPHY USING UNI DRIVER:

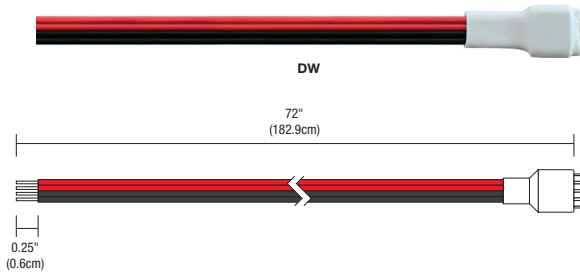


PROJECT		FIXTURE TYPE		DATE	
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LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

24VDC, SURFACE MOUNT, STATIC WHITE

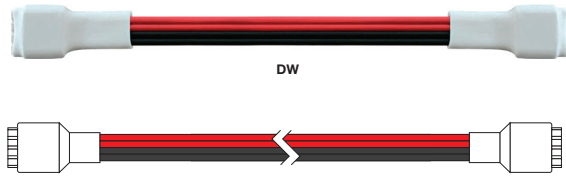
Accessories: Order based on your lighting design specifications or as replacement parts.



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



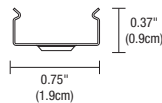
FLEXIBLE CONNECTOR

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.

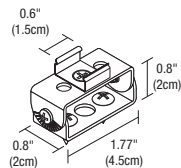
System	Type	Product	Size	Color Temperature
SS	CFX	CON	12IN	DW
SS Stomp Strip/Soft Strip	CFX Flexible Connector	CON Connector	12IN 12 Inches 72IN 72 Inches	DW Static White



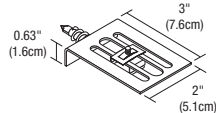
LCS.6-MCL



LCS.6-MCL



LCS.6-MCL-075

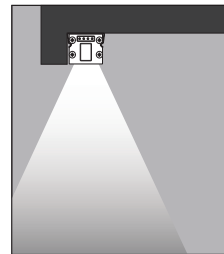


LCS.6-MCL-90

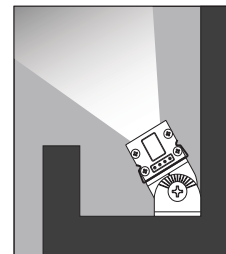
MOUNTING CLIPS

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°. LC-MCL-90 mounts Light Channel at a 90° angle.

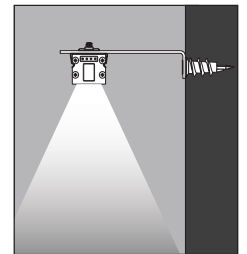
System	Product	Type
LCS.6	MCL	Standard (Leave Blank)
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	075 Adjusts 0-75° 90 Adjusts 90°



SHOWN WITH LCS.6-MCL



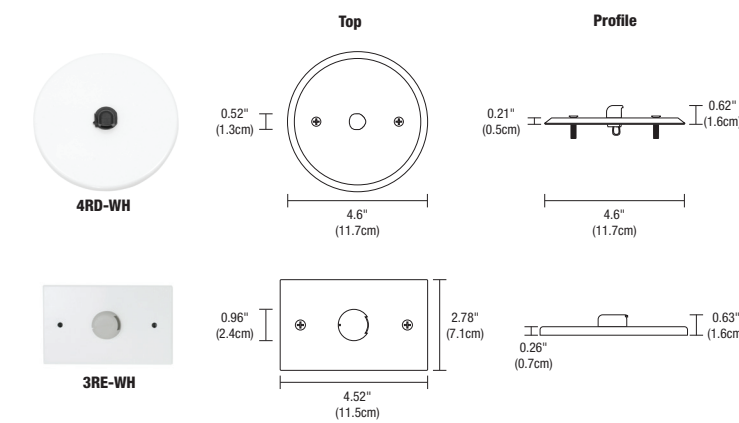
SHOWN WITH LCS.6-MCL-075



SHOWN WITH LCS.6-MCL-90

LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

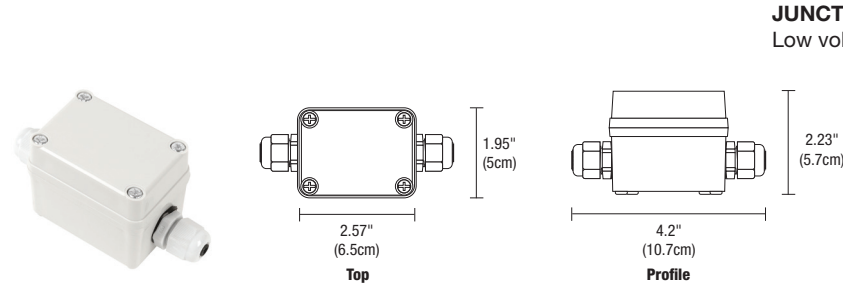
24VDC, SURFACE MOUNT, STATIC WHITE



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

TM30 DATA

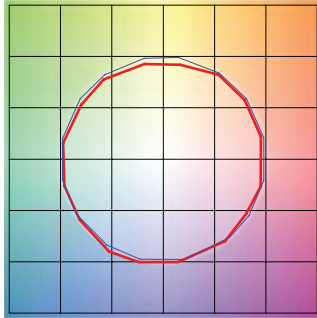
24VDC, SURFACE MOUNT, STATIC WHITE

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TM-30-15 DATA: The data below is for bare LED Static White 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.

2400K | Rf: 84.5 | Rg: 94.4

Color Vector Graphic

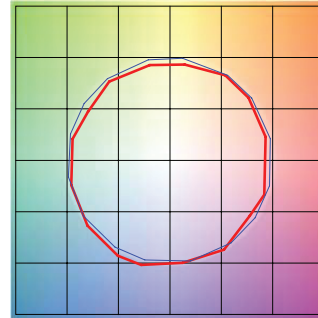


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92	-2.4%	1.5%
2	94.7	-2.1%	-0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

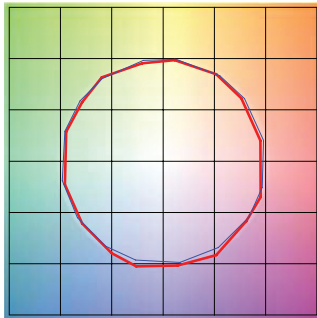


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

3000K | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

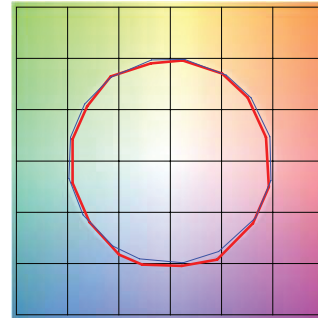


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

3500K | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

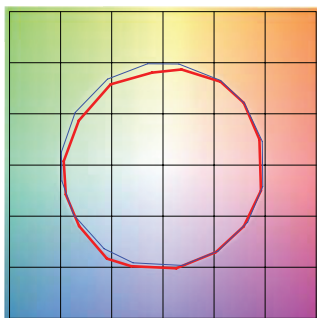


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

4000K | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

PROJECT		FIXTURE TYPE		DATE	
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