

LIGHT CHANNEL COMPLETE FIXTURE 0.6 MICRO GRAZER

24VDC SURFACE MOUNT, TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 03.07.25



DESCRIPTION

PureEdge Lighting's Light Channel Micro Grazer brings to life textural walls, panels, masonry, undulating tiles and so much more. Our slim profile, made-to-order LED channels are offered in two wattages and Tunable White profiles. Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). Tunable white lighting visually, biologically, and emotionally contributes to human interaction with the physical world. Human-centric lighting (HCL) builds on this technology, bringing the dynamics of natural daylight indoors and delivering a positive effect on human health, well-being, and performance. 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

SPECIFICATIONS

- 24VDC, Class 2
- 4.6 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)

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

- Tunable White: 2000K-6500K (**2K6K**) and 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Lumen Performance: Up to 429lm/ft at 3000K 7W per foot
- 94+ 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

- [Home Integration Solutions](#)
- Pure Smart™ WiZ Pro [Power Supplies](#) & [Controls](#)
- [0-10V](#) Requires two dimmers, one for intensity and one for color temperature
- [DMX & Controls](#)

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

COMPLIANCE

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

APPLICATIONS

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

Product	Wattage	Nominal Size	Lens	Color Temperature	Finish
LCMG.6	5W	60	L	2K6K	SA
LCMG.6 Light Channel .6 Surface Mount Micro Grazer	5W 4.6 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	2K6K Tunable White 2000K-6500K 27K6 Tunable White 2700K-6500K	SA Satin Aluminum XX Custom Finishes Available

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24VDC SURFACE MOUNT, TUNABLE WHITE

LENS OPTIONS



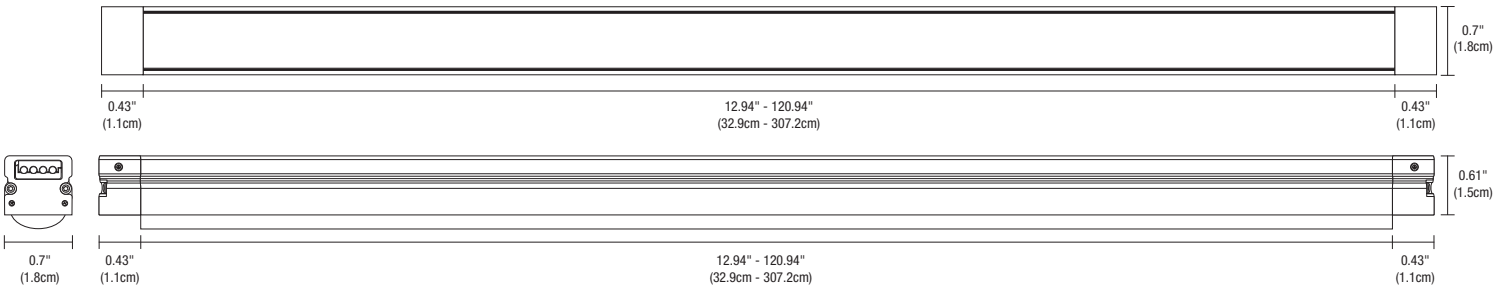
C 7° Clear Lens

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

LIGHT CHANNEL .6 MICRO GRAZER																		
DESCRIPTION	LINEAR FROSTED LENS																	
WATTS PER FOOT	2K6K 5W (4.6 watts)									2K6K 7W (7.3 watts)								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	252	263	273	283	294	314	337	340	343	351	368	384	401	417	450	474	479	484
LUMENS PER WATT (lm/w)	55	55	57	59	61	65	70	71	75	55	51	53	56	58	63	66	67	76
RF	90.1	90.1	90.1	90.1	90.1	90.1	90.5	86.6	86.6	90.1	90.1	90.1	90.1	90.1	90.1	90.5	86.6	86.6
RG	99.4	99.4	99.4	99.4	99.4	99.4	100.8	96.4	96.4	99.4	99.4	99.4	99.4	99.4	99.4	100.8	96.4	96.4
CRI	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+

LIGHT CHANNEL .6 MICRO GRAZER														
DESCRIPTION	LINEAR FROSTED LENS													
WATTS PER FOOT	27K6 5W (4.6 watts)							27K6 7W (7.3 watts)						
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	282	288	299	310	306	304	303	380	389	404	418	414	410	409
LUMENS PER WATT (lm/w)	70	63	65	67	67	66	76	59	54	56	58	57	57	64
RF	90	90	89	89	89	87	87	90	90	90	89	88	88	88
RG	97	97	99	99	99	97	97	99	99	99	99	98	98	98
CRI	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+

LIGHT CHANNEL .6 MICRO GRAZER																		
DESCRIPTION	LINEAR CLEAR LENS																	
WATTS PER FOOT	2K6K 5W (4.6 watts)									2K6K 7W (7.3 watts)								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	278	290	301	313	324	347	372	375	378	387	406	424	442	460	496	523	528	533
LUMENS PER WATT (lm/w)	61	60	63	65	67	72	77	78	82	61	56	59	61	64	69	73	73	83
RF	90	90	90	90	90	90	91	87	87	90	90	90	90	90	90	91	87	87
RG	99	99	99	99	99	99	101	96	96	99	99	99	99	99	99	101	96	96
CRI	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+

LIGHT CHANNEL .6 MICRO GRAZER														
DESCRIPTION	LINEAR CLEAR LENS													
WATTS PER FOOT	27K6 5W (4.6 watts)							27K6 7W (7.3 watts)						
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	311	318	330	342	338	335	334	420	429	445	461	456	453	451
LUMENS PER WATT (lm/w)	78	69	72	74	73	73	84	66	60	62	64	63	63	70
RF	90	90	89	89	89	87	87	90	90	90	89	88	88	88
RG	97	97	99	99	99	97	97	99	99	99	99	98	98	98
CRI	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+

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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.

ACTUAL LENGTHS FOR LIGHT CHANNEL MICRO GRAZER					
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

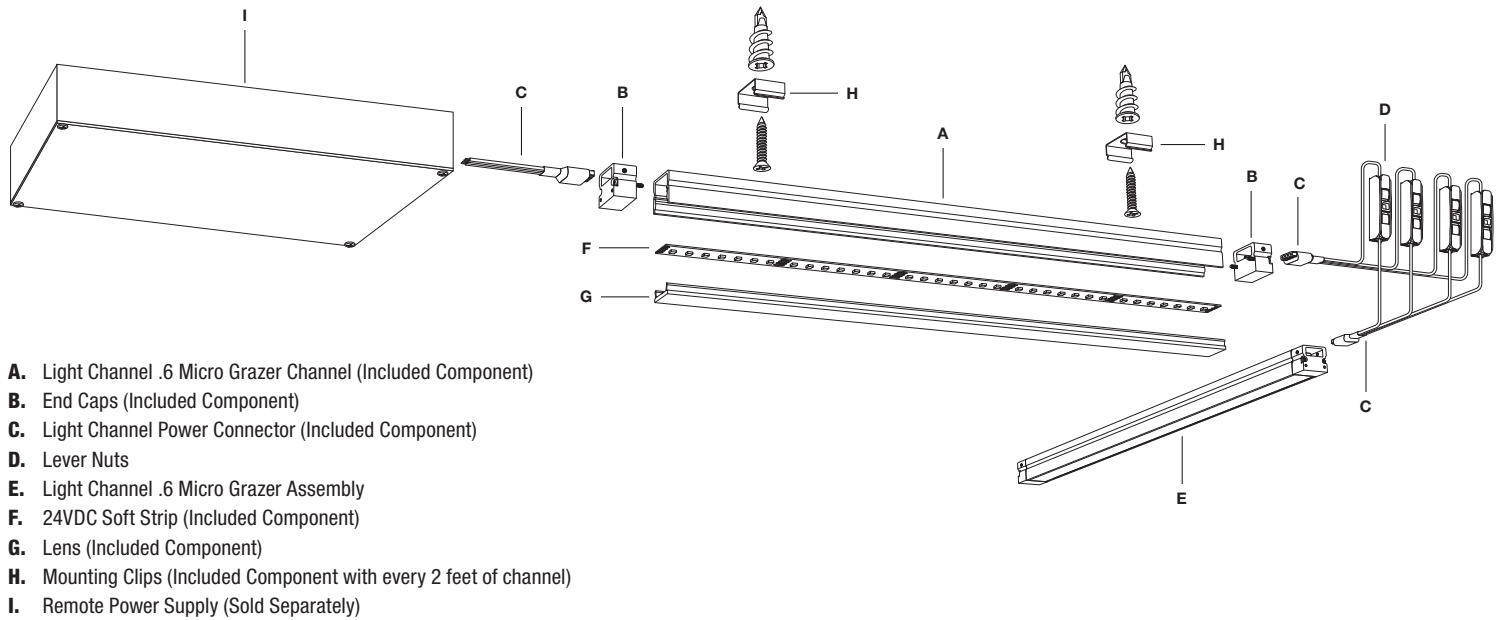
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24VDC SURFACE MOUNT, TUNABLE WHITE

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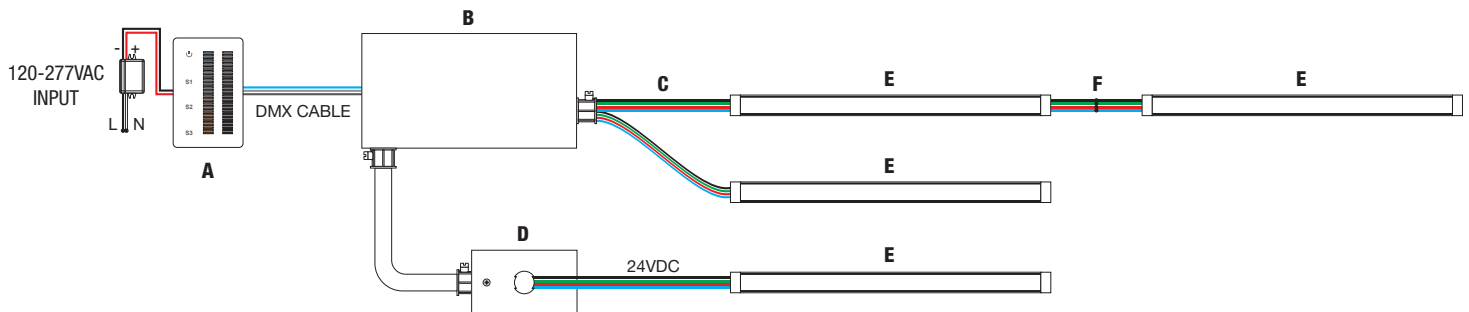
INCLUDED COMPONENTS: Light Channel .6 Micro Grazer system overview



WIRING DIAGRAM: DMX dimming/control for Light Channel .6 Micro Grazer

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

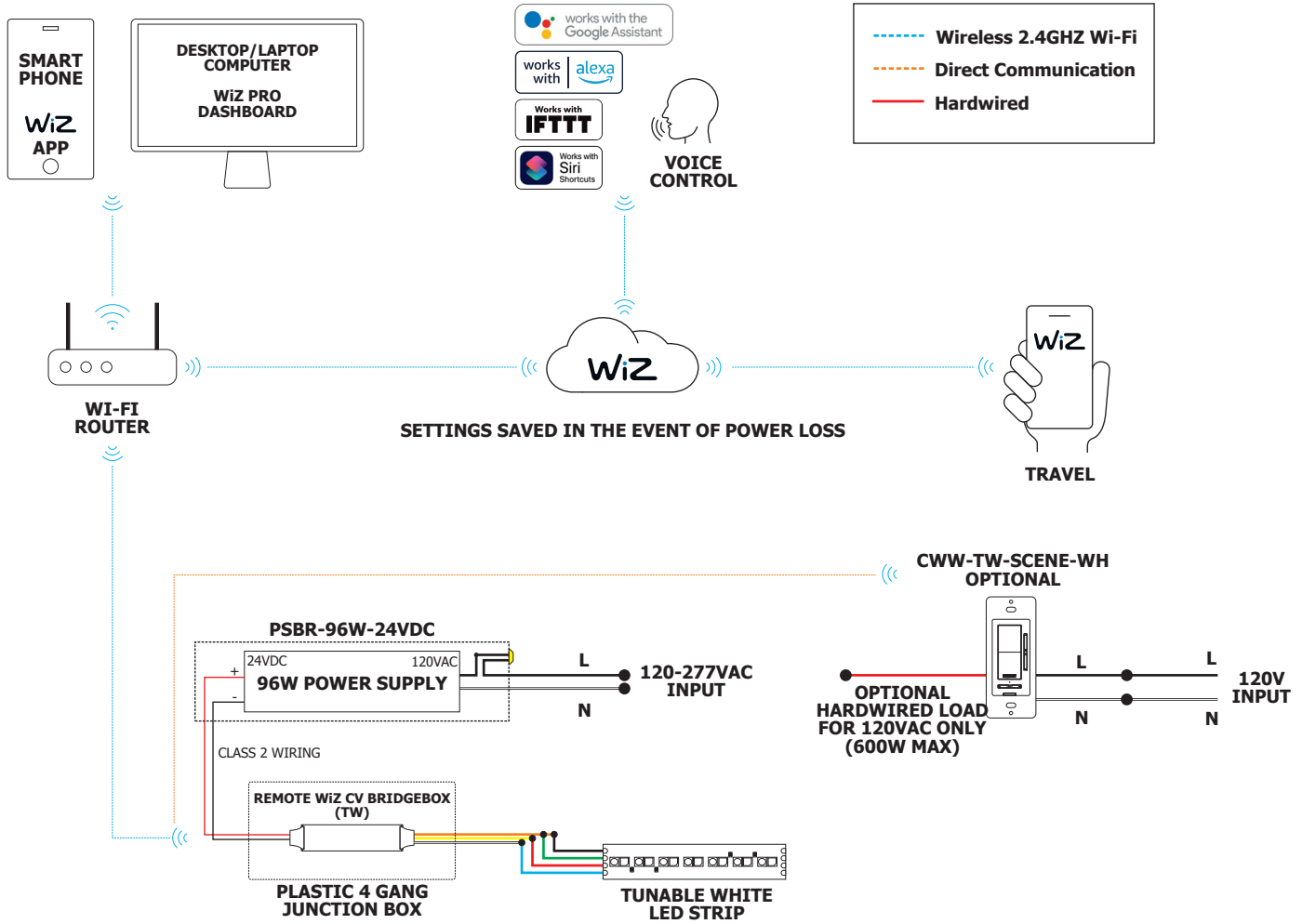
Dimming: Shown with CDMX1-2XK-WH Tunable White Controller. See power supply spec sheet for additional details.



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NETWORK TOPOLOGY

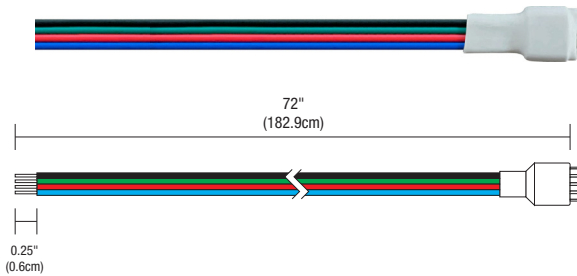


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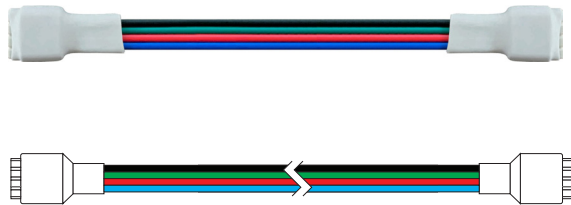
ACCESSORIES: Order based on your lighting design specifications or as replacement parts.



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	RGB
SS Stomp/Soft Strip	FE Female Pin	CON Connector	72IN 72"	RGB RGB (Tunable White Compatible)



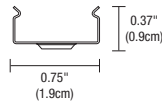
FLEXIBLE CONNECTOR

Flexible connectors link two sections of the Light Channel end to end.

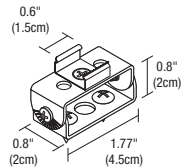
System	Type	Product	Size	Color Temperature
SS	CFX	CON	12IN	RGB
SS Stomp Strip/Soft Strip	CFX Flexible Connector	CON Connector	12IN 12 Inches 72IN 72 Inches	RGB RGB (Tunable White Compatible)



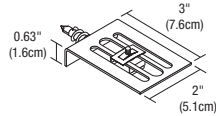
LCS.6-MCL



LCS.6-MCL



LCS.6-MCL-075

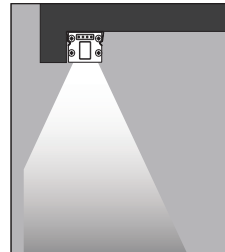


LCS.6-MCL-90

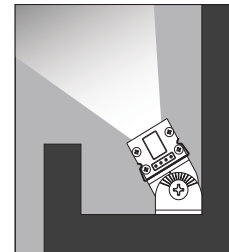
MOUNTING CLIPS

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.

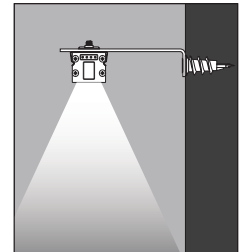
System	Product	Type
LCS.6	MCL	STANDARD (Leave Blank)
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	075 Adjusts 0-75° 90 Adjusts 90°



SHOWN WITH LCS.6-MCL



SHOWN WITH LCS.6-MCL-075



SHOWN WITH LCS.6-MCL-90

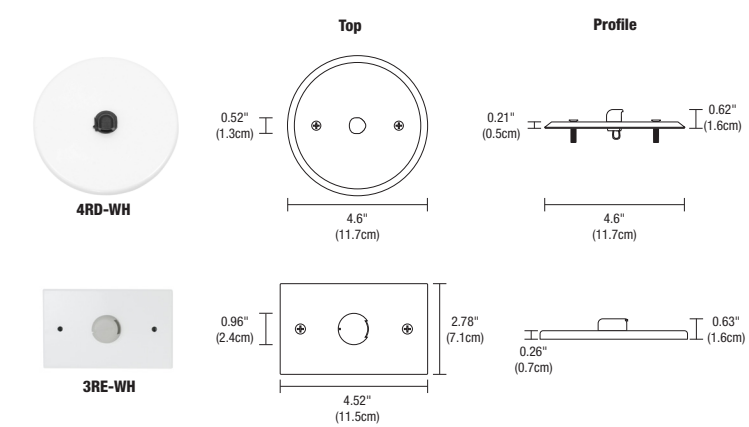
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CANOPY COVER & SPLICE BOX

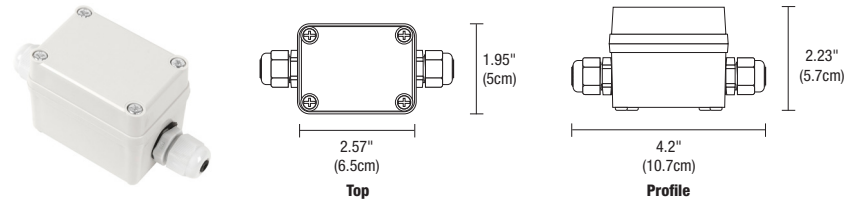
Use for remote located power supply. The 3 inch rectangle or 4 inch round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.



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

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TM30 DATA

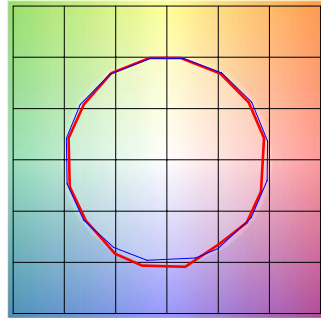
24VDC SURFACE MOUNT, STATIC WHITE

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

2000K ONLY (2K6K/27K6) | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

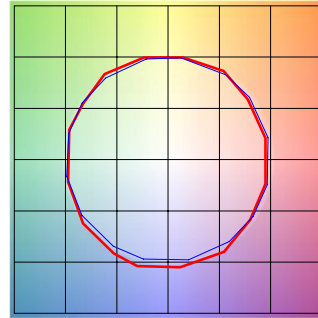


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	87.7	-5.5%	1.2%
2	88.7	-3.9%	4.2%
3	90.5	-1.5%	4.3%
4	95.0	-1.7%	0.8%
5	95.2	-0.2%	2.1%
6	94.2	1.6%	1.9%
7	95.9	-0.8%	-2.2%
8	95.5	-1.7%	1.3%
9	93.8	-1.4	2.6%
10	91.9	-0.7%	4.2%
11	91.3	3.6%	3.7%
12	91.2	4.2%	-1.0%
13	86.6	3.8%	-12.7%
14	67.2	-3.0%	-16.3%
15	84.9	-3.3%	-9.4%
16	84.2	-5.7%	-7.5%

3000K (2K6K/27K6) | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

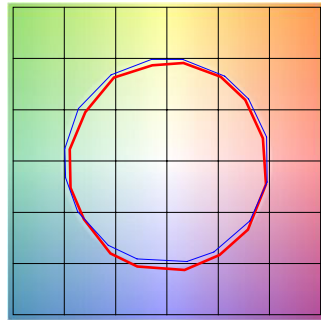


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	91.5	-3.5%	1.2%
2	92.4	-1.8%	2.7%
3	89.8	0.3%	4.5%
4	92.4	-1.7%	0.4%
5	93.3	-0.1%	1.4%
6	94.5	2.1%	-0.6%
7	91.0	-2.5%	0.3%
8	96.9	-0.8%	-0.2%
9	91.6	-0.9%	4.6%
10	86.7	0.7%	7.8%
11	86.3	3.8%	8.5%
12	88.3	6.1%	0.6%
13	90.9	3.1%	-5.2%
14	87.3	4.7%	-7.9%
15	92.1	-1.9%	-2.5%
16	84.5	-0.9%	-10.9%

4000K ONLY (2K6K/27K6) | Rf: 86.4 | Rg: 96.1

Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	86.5	-5.5%	1.3%
2	90.4	-3.0%	2.3%
3	89.8	-2.1%	3.6%
4	89.1	-3.4%	0.4%
5	88.5	-5.9%	0.1%
6	93.6	-3.0%	-0.4%
7	88.9	-6.2%	1.7%
8	87.3	-5.0%	4.9%
9	82.4	-3.6%	11.3%
10	77.4	-1.8%	12.7%
11	79.8	4.9%	11.4%
12	88.7	4.4%	2.7%
13	88.7	4.0%	-5.1%
14	91.2	2.2%	-3.8%
15	82.7	-0.1%	-9.2%
16	82.8	-2.2%	-7.6%

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