LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL
24VDC 5W, LAZER STRIP COB™ TUNABLE WHITE

PURE EDGE
Pure Smart Lighting

WiZ PRO

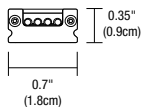DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 10.06.23

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

0.35" (0.9cm)
0.7" (1.8cm)

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.
- Tunable White 2000K-6500K **(2K6K)** grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Daylight White)
- 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
  For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

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. 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
- Pure Smart™ WiZ Pro Power Supplies & Controls
- 0-10V: Requires two dimmers, one for intensity and one for color temperature
- DMX Dynamic Color Changing: Must be used with PureEdge 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
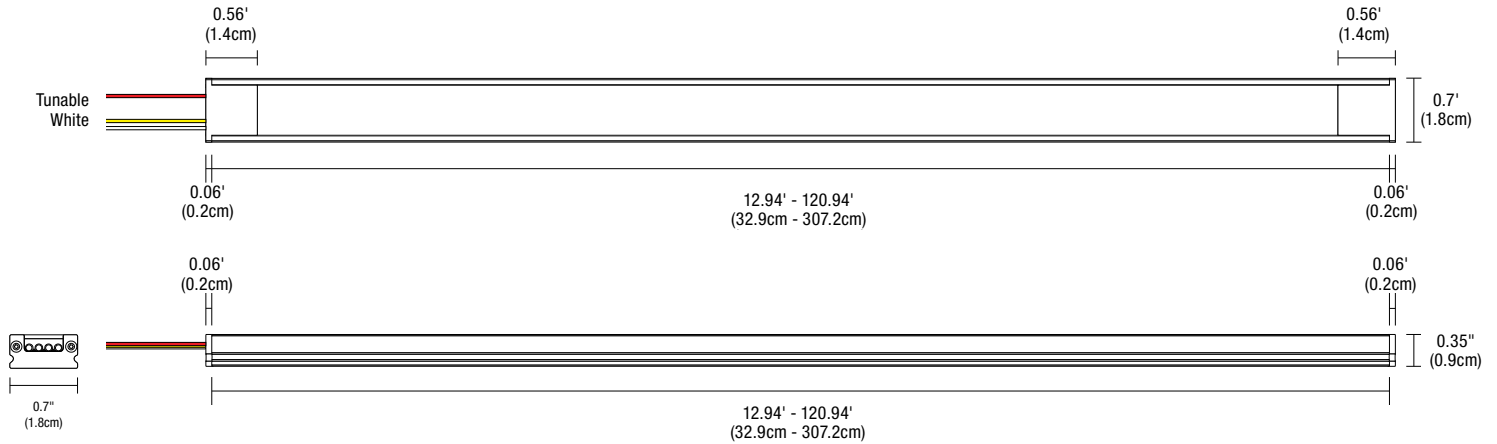- Task lighting, under/above cabinets, coves and retail displays

Product		Wattage		Nominal Size		Lens & Color Temperature			Finish
LCS.3	–	**5W**	–	**60**	–	**D**	**2K6K**	–	**SA**

Product	Wattage	Nominal Size	Lens & Color Temperature	Finish
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	**D** Diffused Lens **C** Clear Lens **G** Diffused Lens with Gel Color (Provided by Customer) **2K6K** Tunable White 2000K-6500K	**SA** Satin Aluminum **XX** Custom Finish

PROJECT		FIXTURE TYPE		DATE	

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PureEdge Lighting reserves the right to modify this specification without prior notice

1

LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL
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Tunable White

0.56' (1.4cm) 0.56' (1.4cm) 0.7' (1.8cm)

0.06' (0.2cm) 12.94' - 120.94' (32.9cm - 307.2cm) 0.06' (0.2cm)

0.06' (0.2cm) 0.06' (0.2cm) 0.35" (0.9cm)

0.7" (1.8cm) 12.94' - 120.94' (32.9cm - 307.2cm)

Lamp Life Is 50,000 Hours

TUNABLE WHITE 2K6K								
WATTS PER FOOT	5W (4.4 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	139	201	213	225	245	255	265	320	356
LUMENS PER WATT (lm/w)	48	44	47	49	52	56	67	72	79
CRI	93+	92+	94+	93+	85+	85+	85+	85+	85+

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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2

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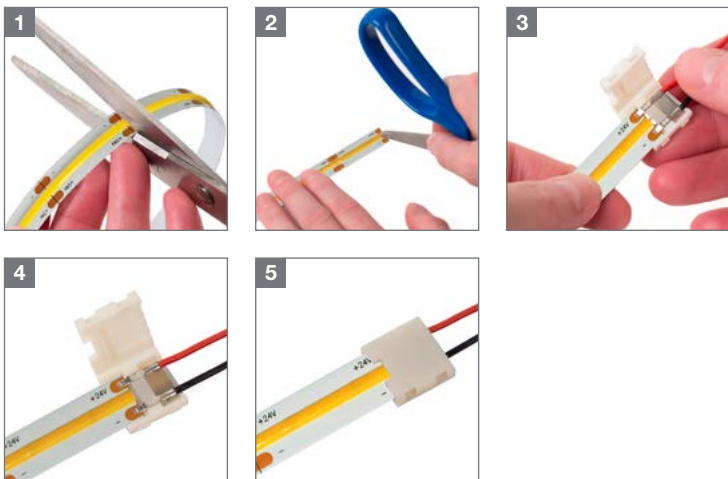
USING THE SNAP & LIGHT SOLDERLESS CONNECTORS:

Cutting and reconnecting our Lazer Strip is easy. All you need is a pair of scissors or any sharp device that will allow you to make a clean cut.

1. Cut the middle of joining contacts

2. Remove the protective coating from the contacts

3. Place the Lazer Strip end under the plastic guide and push it under the snap contacts

4. Close the cover

5. Snap the cover to secure in place

Power Connector

0.6"
(1.5cm)   3", 6", 12", 36", 96", or 144"   0.6"
(1.5cm)
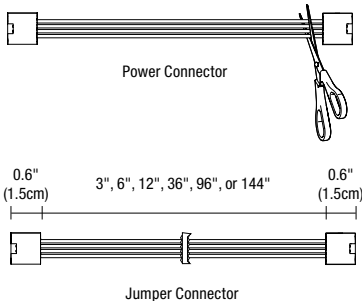
Jumper Connector

24VDC SOLDERLESS SNAP & LIGHT POWER/JUMPER CONNECTOR

Join 2 cut sections of LED Lazer Strip end to end. Power connector is required. Use as a jumper connector is optional. To use as a power connector cut and strip the wires.

Product	Type	Size
LCLS	**SLC**	**12IN**

LCLS Lazer Strip   SLC Snap & Light Jumper or Power Connectors

3IN 3 inches	**36IN** 36 inches
6IN 6 inches	**96IN** 96 inches
12IN 12 inches	**144IN** 144 inches

1.26" (3.2cm)

1.26" (3.2cm)
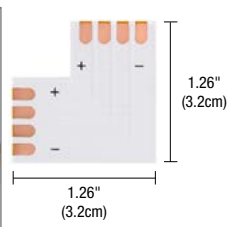
SOLDERLESS SNAP & LIGHT L-CONNECTOR

Join and conduct power to 2 sections of LED Lazer Strip in an L-shape.

Product	Type
LS	**SLL**

LS Lazer Strip   SLL Snap & Light L-Connector

1.24" (3.2cm)

1.88" (4.8cm)
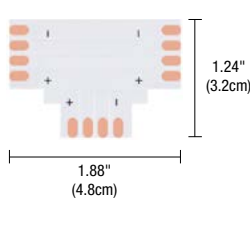
SOLDERLESS SNAP & LIGHT T-CONNECTOR

Join and conduct power to 3 sections of LED Lazer Strip in a T-shape.

Product	Type
LS	**SLT**

LS Lazer Strip   SLT Snap & Light T-Connector

1.85" (4.8cm)

1.85" (4.8cm)
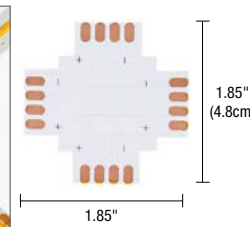
SOLDERLESS SNAP & LIGHT X-CONNECTOR

Join and conduct power to 4 sections of LED Lazer Strip in an X-shape.

Product	Type
LS	**SLX**

LS Lazer Strip   SLX Snap & Light X-Connector

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3

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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

0.37"
(0.9cm)

0.75"
(1.9cm)

0.6"
(1.5cm)

0.8"
(2cm)

0.8"
(2cm)

1.77"
(4.5cm)

LCS.6-MCL-075

0.63"
(1.6cm)

3"
(7.6cm)

2"
(5.1cm)

LCS.6-MCL-90

SHOWN WITH LCS.6-MCL

SHOWN WITH LCS.6-MCL-075

SHOWN WITH LCS.6-MCL-90
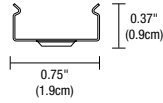
MOUNTING CLIPS

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.
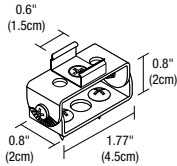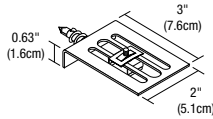
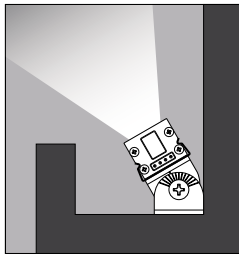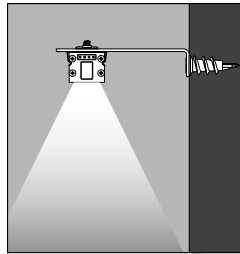| System	Product	Type
LCS.6	**MCL**	**STANDARD (LEAVE BLANK)**

LCS.6 Light Channel 0.6" Surface Mount   **MCL** Mounting Clip   **075** Adjusts 0-75°   **90** Adjusts 90°

4RD-WH

0.52"
(1.3cm)

4.6"
(11.7cm)

0.21"
(0.5cm)

0.62"
(1.6cm)

4.6"
(11.7cm)

3RE-WH

0.96"
(2.4cm)

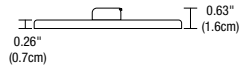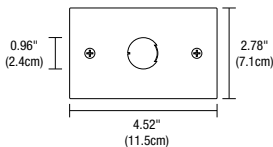2.78"
(7.1cm)

0.26"
(0.7cm)

0.63"
(1.6cm)

4.52"
(11.5cm)

CANOPY COVER & SPLICE BOX

Use for remote located power supply. The 3" rectangle or 4" 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

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4

LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL
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Included Components: Indoor Light Channel .3 Surface Mount system overview
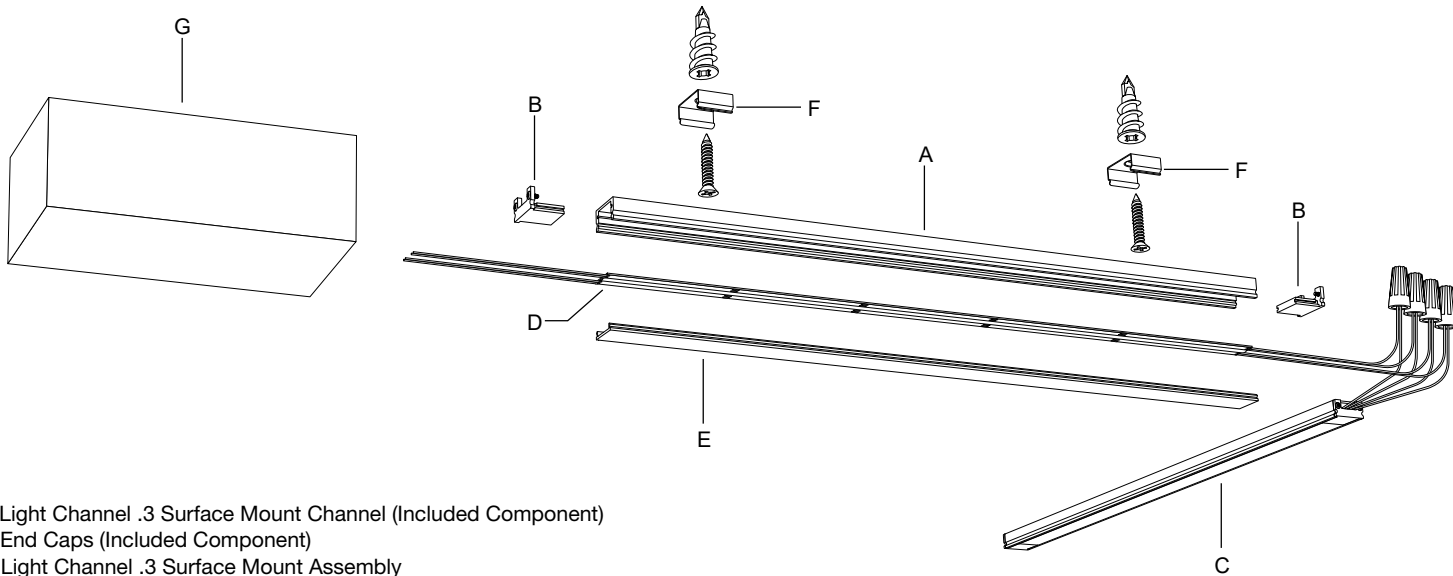
A) Light Channel .3 Surface Mount Channel (Included Component)
B) End Caps (Included Component)
C) Light Channel .3 Surface Mount Assembly
D) LED Lazer Strip with Soldered Leads for Tunable White (Included Component)
E) Lens (Included Component)
F) Mounting Clips (Included Component with every 2 feet of channel)
G) Remote Power Supply (Sold Separately)

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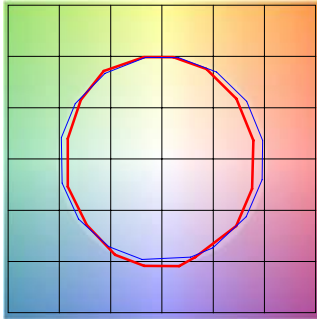
5

TM30 DATA
24VDC 5W, LAZER STRIP COB™ TUNABLE WHITE

TM-30-15 DATA: The data below is for bare Lazer 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) | Rf: 84.3 | Rg: 96.9
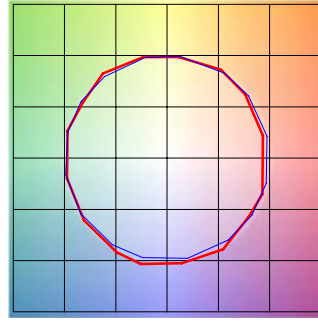Color Vector Graphic

Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15	79.7	-3.3%	-12.9%
16	78.1	-7.9%	-10.6%

3000K (2K6K) | Rf: 90.2 | Rg: 101.4
Color Vector Graphic

Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	90.9	-3.8%	1.3%
2	91.7	-1.9%	3.3%
3	88.7	0.7%	5.1%
4	92.4	-1.0%	0.7%
5	92.9	0.9%	1.7%
6	93.1	3.3%	-0.6%
7	91.0	-1.8%	-0.4%
8	97.0	0.2%	-1.1%
9	92.8	-0.5%	3.6%
10	88.3	1.0%	7.0%
11	87.1	3.8%	7.8%
12	87.6	6.5%	-0.3%
13	89.3	3.6%	-6.3%
14	86.1	4.5%	-9.1%
15	91.6	-1.9%	-3.1%
16	83.8	-1.5%	-11.2%

6500K ONLY (2K6K) | Rf: 89.6 | Rg: 99.1
Color Vector Graphic
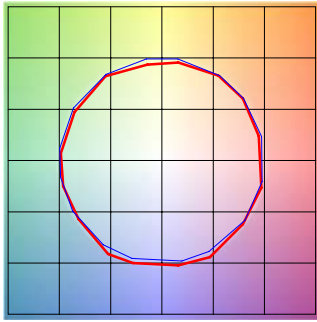
Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.5%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%	-2.1%
15	87.4	0.4%	-4.3%
16	86.6	0.4%	-6.1%

PROJECT		FIXTURE TYPE		DATE	