LAZER STRIP COB™ TUNABLE WHITE
5 WATT 24VDC, 2000K-6500K

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE LIGHTING | **WiZ** PRO

REV 04.18.22

2K6K - 2000K-6500K Tunable White

FEATURES & BENEFITS

- Tunable White 2000K-6500K **(2K6K)** grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Daylight White)
- 148 LEDs per foot provide uniform light distribution without pixelation
- Pin connectors or soldered leads for fast labor during installation
- Gold Plated Contacts prevent oxidation to ensure longevity of LED
- 4 oz of copper with 12 mm wide board provides better heat dissipation and less voltage drop
- Up to 94+ CRI
- Solid State Power Supply offers 85-90% efficiency
- Includes a 5-year pro-rated warranty

SPECIFICATIONS

- 24VDC LED Lazer Strip with 120° beam angle
- Power: 4.4 watts per foot
- May be field-cut in 2.4" increments
- Sold in 1' long increments
- Class 2 Damp Listing; 100 watt limit per power supply
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

LAMP

- Tunable White: 2000K-6500K **(2K6K)** grants independent control for adjusting color temperature and intensity.
- Average life is 50,000 hours

INCLUDED COMPONENTS

- LS5 24VDC LED Lazer Strip
- 3M™ Adhesive Tape Backing

ACCESSORIES (SOLD SEPARATELY)

- 24VDC Connectors
- Flexible Connectors
- Mounting Straps

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

24VDC, Class 2 wiring

- **WiZ** Pro Connected, Pure Smart™ Power Supplies & Controls
- **0-10V:** Requires two dimmers, one for intensity and one for kelvin color temperature
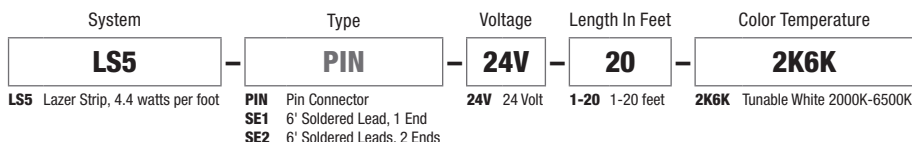- **DMX** Dynamic Color Changing: Must be used with PureEdge Controllers

*In-Wall Mounting Kits available for select power supplies

MOUNTING

- Industrial 3M tape lines back of strip for self-adhesion to most smooth finished surfaces including ceiling, walls, cabinets and drawers
- Additional Pin Connectors and Mounting Straps may be needed for some applications (sold separately)

APPLICATIONS

Indoor and damp locations. Applications include coves, toe-kicks, under cabinets and shelving, bookcases, drawers, pathways, accent lighting, task lighting, and general illumination

System		Type		Voltage	Length In Feet	Color Temperature
LS5	–	**PIN**	–	**24V**	**20**	**2K6K**
LS5	Lazer Strip, 4.4 watts per foot	PIN	Pin Connector	24V 24 Volt	1-20 1-20 feet	2K6K Tunable White 2000K-6500K
		SE1	6' Soldered Lead, 1 End			
		SE2	6' Soldered Leads, 2 Ends			

PROJECT		FIXTURE TYPE		DATE	

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PURE EDGE LIGHTING | **WiZ PRO**

LAMP DATA

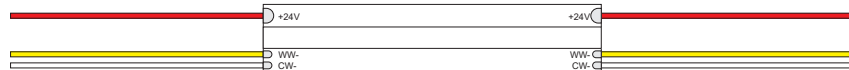|	TUNABLE WHITE 2K6K								
WATTS PER FOOT	5w								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	139	201	213	225	245	255	265	320	356
LUMENS PER WATT (lm/w)	48	44	47	49	52	56	67	72	79
CRI	93+	92+	94+	93+	85+	85+	85+	85+	85+

POWER CONSUMPTION PER LINEAR FOOT

LS5 24VDC LAZER STRIP (4.4 WATTS PER FOOT)
MAXIMUM LENGTH BEFORE REFEEDING: 20FT

LENGTH IN FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
TOTAL WATTAGE	5	10	15	20	24	29	34	39	44	48	53	58	63	68	72	77	82	87	92	96

Premium Silicone Coating — LS3 LED Strip — 2oz Copper — Insulator — 2oz Copper — 3M Adhesive Tape

White Finish

2.4"
(6.1cm)

0.47"
(1.2cm)

+24V +24V
WW- WW-
CW- CW-

Pin Connector

+24V +24V
WW- WW-
CW- CW-
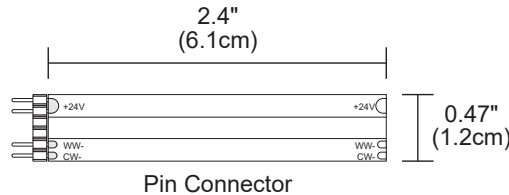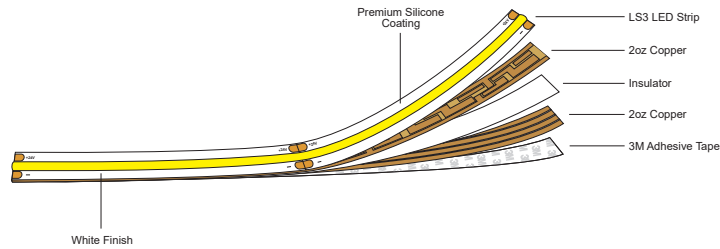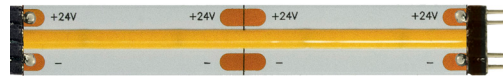
6' Soldered Lead, 1 end SE1

+24V +24V
WW- WW-
CW- CW-

6' Soldered Lead, 2 ends SE2

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LAZER STRIP ACCESSORIES
PINS & SOLDERED LEADS

PURE EDGE
L I G H T I N G

Static White
.375" (.95cm)

RGB
.47" (1.19cm)

Tunable White
.47" (1.19cm)

POWER FEED CONNECTOR
Female power feed connector cord conducts power from the power supply to the male end of the LED strip.

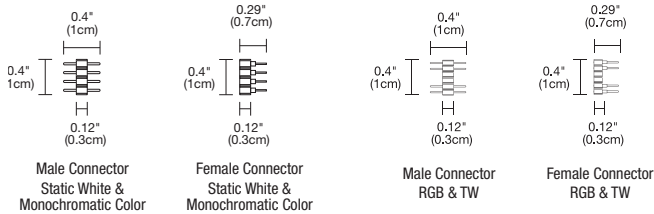| System		Type		Size		Color Temperature
LS	-	**PFE**	-	**12FT**	-	
LS Lazer Strip		**PFE** Power Feed Connector Cord		**6FT** 6 Feet **8FT** 8 Feet **12FT** 12 Feet		**RGB** Red, Green, & Blue **TW** Tunable White **Leave Blank for Static White and Monochromatic Color**

Static White
.375" (.95cm)

RGB
.47" (1.19cm)

Tunable White
.47" (1.19cm)

FLEXIBLE CONNECTOR
Flexible connectors link two sections of Lazer Strip end to end.

Product		Type		Size		Color Temperature
LS	-	**CFX**	-	**3IN**	-	
LS Lazer Strip		**CFX** Flexible Connector		**3IN** 3 inches **6IN** 6 inches **12IN** 12 inches **36IN** 36 inches **96IN** 96 inches **144IN** 144 inches		**RGB** Red, Green, & Blue **TW** Tunable White **Leave Blank for Static White and Monochromatic Color**

Male Connector
Static White & Monochromatic Color
0.4" (1cm) / 0.4" (1cm) / 0.12" (0.3cm)

Female Connector
Static White & Monochromatic Color
0.29" (0.7cm) / 0.4" (1cm) / 0.12" (0.3cm)

Male Connector
RGB & TW
0.4" (1cm) / 0.4" (1cm) / 0.12" (0.3cm)

Female Connector
RGB & TW
0.29" (0.7cm) / 0.4" (1cm) / 0.12" (0.3cm)

PIN CONNECTORS
Extra soldering pin connectors. Male and female.

System	Product	Type	Color Temperature
LS	**ML**	**CON**	
LS Lazer Strip	**FE** Female Connector **ML** Male Connector	**CON** Connector	**RGB** Red, Green & Blue (Tunable White compatible) **Leave Blank for Static White and Monochromatic Color**

TOP
0.63" (1.6cm) / 1.16" (2.9cm) / 0.23" (0.6cm)

PROFILE
0.63" (1.6cm) / 0.22" (0.6cm) / 0.07" (0.2cm) / 0.48" (1.2cm) / 1.16" (2.9cm)
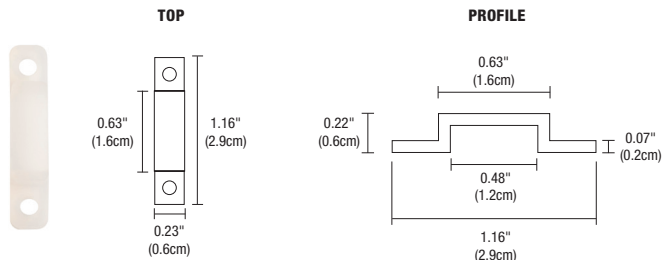
LAZER STRIP U-STRAP
Use every 6 - 12 inches for extra support (30/package).

Product		Type
SS	-	**SU**
SS Strip Strap		**SU** U-Strap

0.73" (1.9cm) / 0.48" (1.2cm) / 0.08" (0.2cm)
4.07" (10.3cm) / 0.18" (0.5cm) / 0.21" (0.5cm)
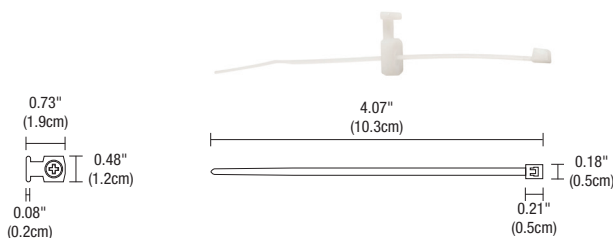
LAZER STRIP TIE STRAP
Use every 6 - 12 inches for extra support (30/package).

Product		Type
SS	-	**ST**
SS Strip Strap		**ST** Tie Strap

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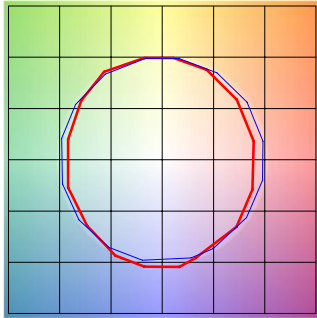
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TM-30-15 DATA: The data below is for LS5 bare Lazer Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2000K ONLY (2K6K) | Rf: 84.3 | Rg: 96.9
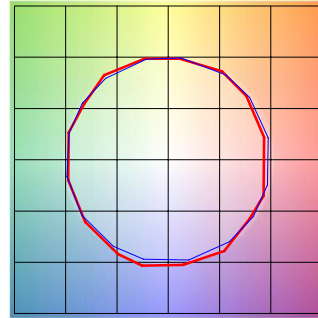Color Vector Graphic

■ Test   ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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%

4000K ONLY (2K6K) | Rf: 89.6 | Rg: 99.1
Color Vector Graphic
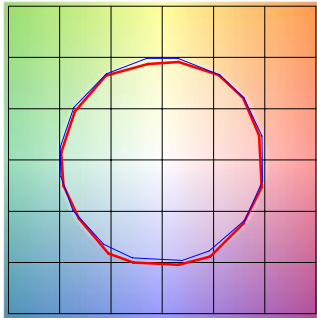
■ Test   ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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%

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