LAZER STRIP COB™ PRO DIM

5 WATT 24VDC

PURE EDGE Pure Smart Lighting

PROJECT

FIXTURE TYPE

DATE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 08.21.26





2K4K/2K6K - 2000K-4000K or 2000K-6500K Pro Dim

FEATURES & BENEFITS

- Pro Dim 2000K-4000K (**2K4K**) and 2000K-6500K (**2K6K**) dims from Cool to Warm with one level of control.
- Remote phosphor COB strip to provide uniform light distribution without pixelation
- Pin connectors or soldered leads for fast labor during installation
- Pro Dim LED Strip provides adaptable dim to warm light with 0.1% dim to off
- 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 1.4" 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)

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)

LAMP

- Pro Dim: 2000K-4000K (**2K4K**) and 2000K-6500K (**2K6K**) grant independent control for adjusting color temperature and intensity.
- Average life is 50,000 hours

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

24VDC, Class 2 wiring

- Pro Dim Power Supplies & Controls
- Pure Smart™ WiZ Pro Power Supplies & Smart Controls
- DMX to WiZ Interface, Power Supply & Controls

*In-Wall Mounting Kits available for select power supplies

INCLUDED COMPONENTS

- Pro Dim Lazer Strip
- 3M™ Adhesive Tape Backing

ACCESSORIES (SOLD SEPARATELY)

- 24VDC Connectors
- Flexible Connectors
- Mounting Straps

APPLICATIONS

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

APPROVALS/COMPLIANCE

ETL, Class 2, Damp Rated, RoHS

System		Type		Voltage		Length In Feet		Color Temperature
LS5	–	**PIN**	–	**24V**	–	**20**	–	**2K4K**
LS5 Lazer Strip, 4.4 watts per foot		**PIN** Pin Connector **SE1** 6' Soldered Lead, 1 End **SE2** 6' Soldered Leads, 2 Ends		**24V** 24 Volt		**1-20** 1-20 feet		**2K4K** Pro Dim 2000K-4000K **2K6K** Pro Dim 2000K-6500K

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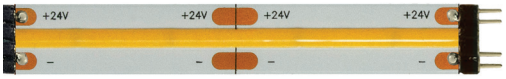
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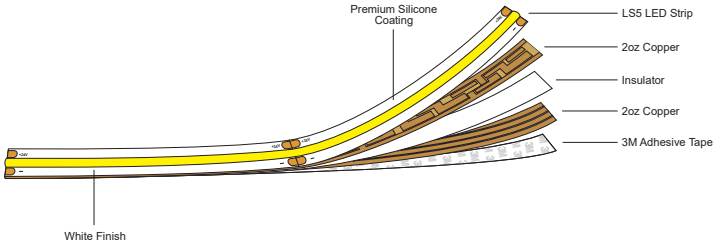
LAMP DATA

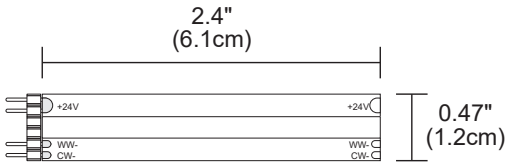
	PRO DIM	
WATTS PER FOOT	Highest Output	
COLOR TEMPERATURE	40K	65K
LUMENS PER FOOT (lm/ft)	236	365
LUMENS PER WATT (lm/w)	93	79
CRI	93	85

POWER CONSUMPTION PER LINEAR FOOT

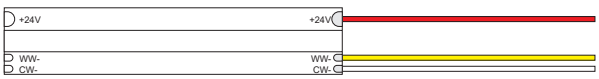
LS5 24VDC LAZER STRIP (4.4 WATTS PER FOOT) MAXIMUM LENGTH BEFORE REFEEDING: 20FT																				
LENGTH IN FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
TOTAL WATTAGE	5	10	15	20	24	29	34	39	44	48	53	58	63	68	72	77	82	87	92	96



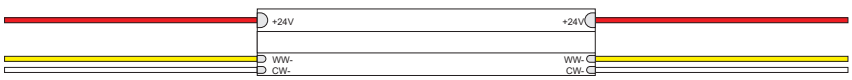




Pin Connector



6' Soldered Lead, 1 end SE1



6' Soldered Lead, 2 ends SE2

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ACCESSORIES



Tunable White

POWER FEED CONNECTOR

Female power feed connector cord conducts power from the power supply to the male end of the Lazer strip.

System	Type	Size	Color Temperature
LS	PFE	12FT	TW
LS Lazer Strip	**PFE** Power Feed Connector Cord	**6FT** 6 Feet **8FT** 8 Feet **12FT** 12 Feet	**TW** Tunable White

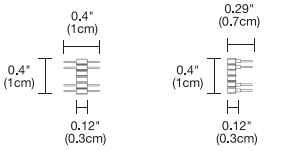


Tunable White

FLEXIBLE CONNECTOR

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

System	Product	Type	Size	Color Temperature
LS	CFX	CON	12IN	TW
LS Lazer Strip	**CFX** Flexible Connector	**CON** Connector	**12IN** 12 inches **72IN** 72 inches	**TW** Tunable White



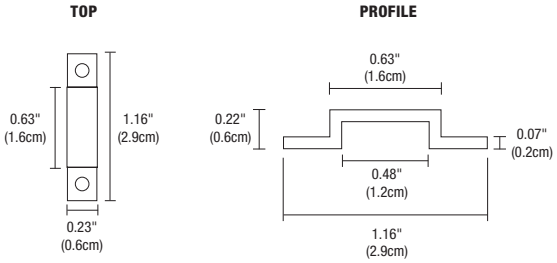
Male Connector RGB & TW

Female Connector RGB & TW

PIN CONNECTORS

Extra soldering pin connectors. Male and female.

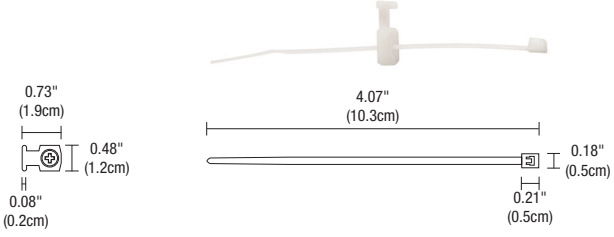
System	Product	Type	Color Temperature
LS	ML	CON	RGB
LS Lazer Strip	**FE** Female Connector **ML** Male Connector	**CON** Connector	**RGB** Red, Green & Blue (Tunable White compatible)



LAZER STRIP U-STRAP

Use every 6 - 12 inches for extra support (30/package).

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



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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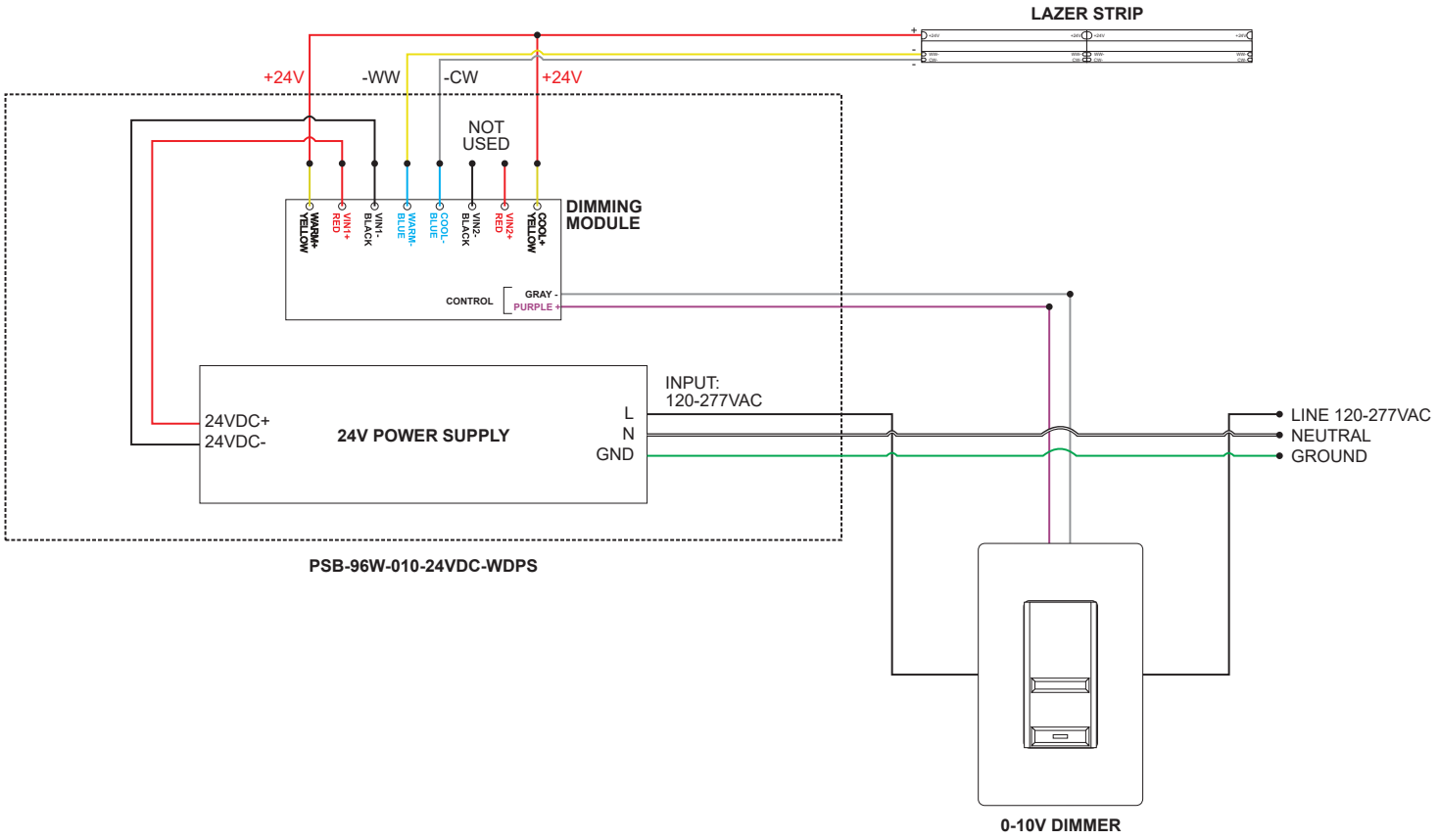
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0-10V DIMMING SAMPLE WIRING DIAGRAM: The example below is using a Class 2, 24VDC Power Supply.



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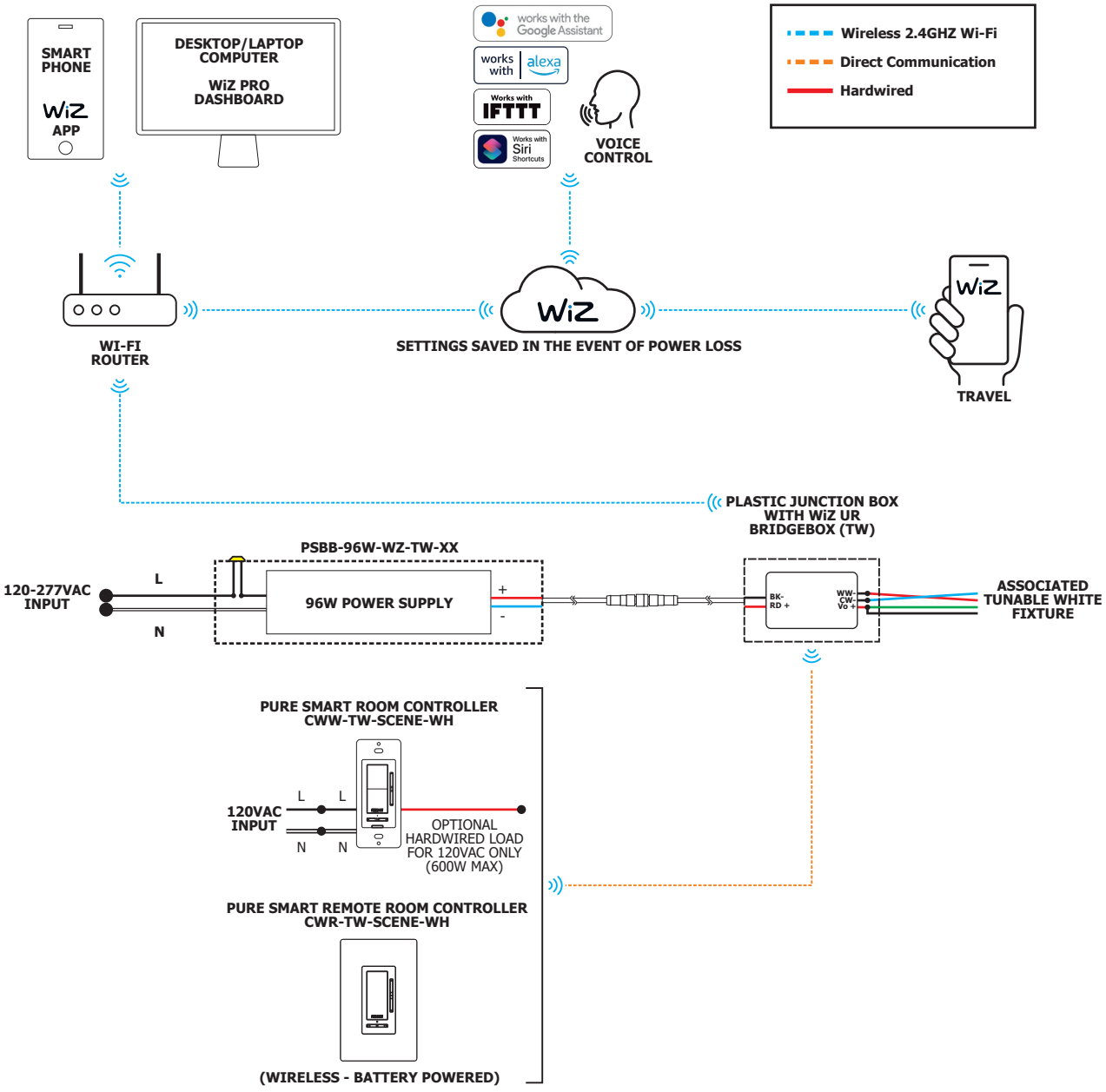
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WIZ WIRING DIAGRAM FOR TUNABLE WHITE: Software function to add dim to warm or to use the tunable white spectrum with the click of a button.



TM30 DATA

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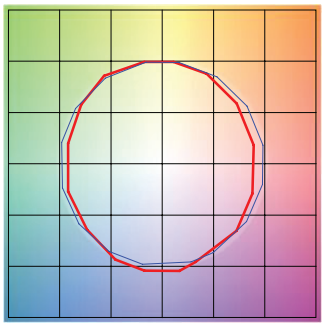
DATE

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.

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2000K ONLY (2K4K) | Rf: 84.3 | Rg: 96.9

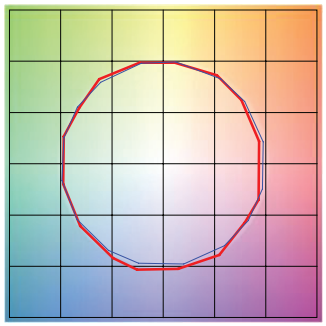
Color Vector Graphic



		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 (2K4K) | Rf: 90.2 | Rg: 101.4

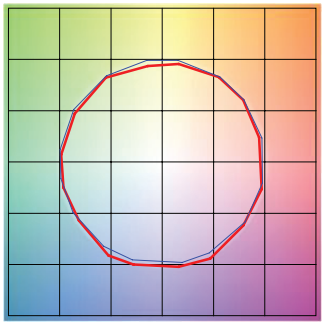
Color Vector Graphic



		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 (2K4K) | Rf: 89.6 | Rg: 99.1

Color Vector Graphic



		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%