

LAZER STRIP COB™ MONOCHROMATIC COLOR

3W & 5W, 24VDC

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

REV 02.22.23



RZ - Red



GZ - Green



BZ - Blue



AZ - Amber

FEATURES & BENEFITS

- 148 LEDs per foot provide uniform light distribution without pixelation
- Offered with Snap & Light, Pin Connectors or, Pre-soldered leads reducing time and labor during installation
- Gold Plated Contacts prevent oxidation to ensure longevity of LED
- 4oz of copper with 12mm wide board provides better heat dissipation and less voltage drop
- 24VDC LED Lazer Strip COB (Chip on Board)
- Monochromatic Color Options: Amber, Red, Blue, and Green
- Solid State Power Supply offers 85-90% efficiency compared to magnetic at 80%
- Average life is 50,000 hours
- Includes a 5-year pro-rated warranty

SPECIFICATIONS

- 24VDC LED Lazer Strip with 120° beam angle
- Power: 3.3 or 4.4 watts per foot
- May be field-cut in 2.4" increments
- Sold in 1' 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
- Additional Connectors, Mounting Straps, and Clips may be needed for some applications (sold separately)

INCLUDED COMPONENTS

- LS3 or LS5 24VDC LED Lazer Strip
- 3M™ Adhesive Tape Backing

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

24VDC, Class 2 wiring

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)
- [Lutron Hi-Lume/Ecosystem](#)

*In-Wall Mounting Kits available for select power supplies

ACCESSORIES (SOLD SEPARATELY)

- 24VDC Power Connectors and Jumpers
- Flexible Connectors
- Mounting Straps & Clips

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
LS3	PIN	24V	30	AZ
LS3 Lazer Strip Commercial, 3.3 watts per foot LS5 Lazer Strip Commercial, 4.4 watts per foot	PIN Pin Connector SE1 6' Soldered Lead, 1 End SE2 6' Soldered Leads, 2 Ends Leave Blank For Snap & Light	24V 24 Volt	1-30 1-30 feet (LS3) 1-20 1-20 feet (LS5)	AZ Amber BZ Blue GZ Green RZ Red

PROJECT		FIXTURE TYPE		DATE	
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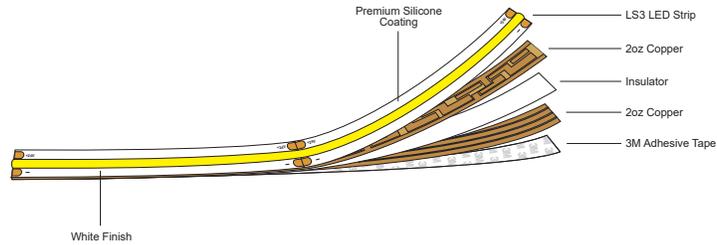
LAZER STRIP COB™ MONOCHROMATIC COLOR

3W & 5W, 24VDC

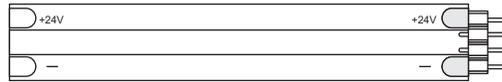
POWER CONSUMPTION PER LINEAR FOOT

LS3 24VDC LAZER STRIP (3.3 WATTS PER FOOT)																														
MAXIMUM LENGTH BEFORE REFEEDING: 30FT																														
LENGTH IN FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
TOTAL WATTAGE	3.3	6.6	10	13.2	15	16.5	19.8	16.5	23.1	26.4	29.7	33	36.3	39.6	42.9	46.2	49.5	52.8	56.1	59.4	62.7	66	69.3	72.6	75.9	79.2	82.5	85.8	89.1	92.4

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



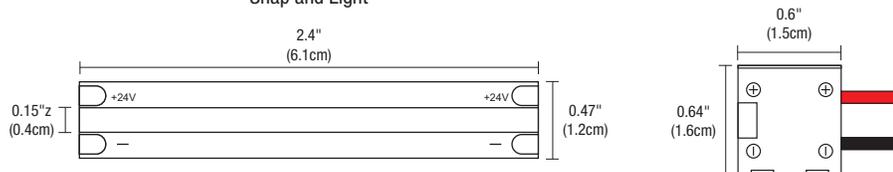
6' Soldered lead, 1 end SE1



6' Soldered lead, 2 ends SE2



Snap and Light



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LAZER STRIP ACCESSORIES

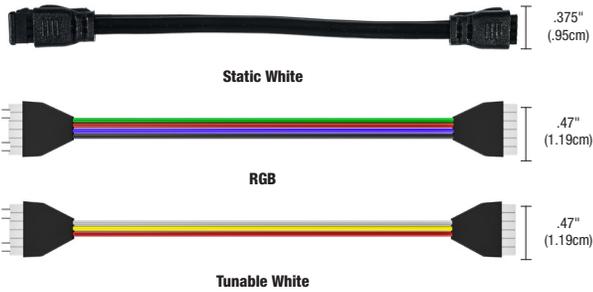
PINS & SOLDERED LEADS



POWER FEED CONNECTOR

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

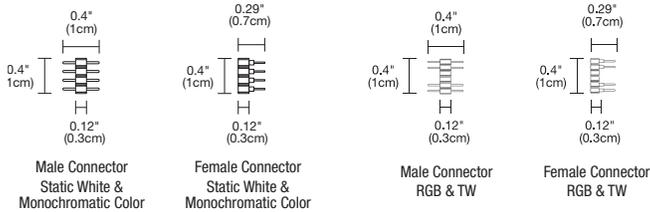
System	Type	Size	Color Temperature
LS	PFE	12FT	
LS Lazer Strip	PFE Power Feed Connector Cord	6FT 6 Feet 8FT 8 Feet 12FT 12 Feet	RGB Red, Green, & Blue TW Tunable White Leave Blank for Static White and Monochromatic Color



FLEXIBLE CONNECTOR

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

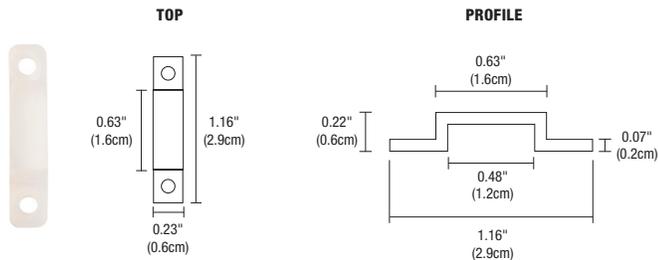
Product	Type	Size	Color Temperature
LS	CFX	3IN	
LS Lazer Strip	CFX Flexible Connector	3IN 3 inches 6IN 6 inches 12IN 12 inches 36IN 36 inches 96IN 96 inches 144IN 144 inches	RGB Red, Green, & Blue TW Tunable White Leave Blank for Static White and Monochromatic Color



PIN CONNECTORS

Extra soldering pin connectors. Male and female.

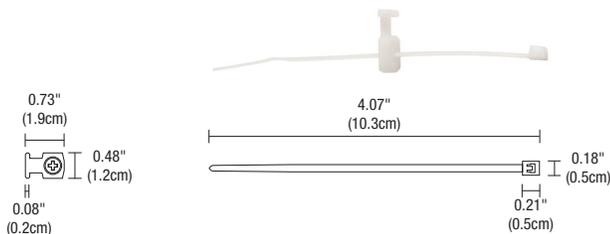
System	Product	Type	Color Temperature
LS	ML	CON	
LS Lazer Strip	FE Female Connector ML Male Connector	CON Connector	RGB Red, Green & Blue (Tunable White compatible) Leave Blank for Static White and Monochromatic Color



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).

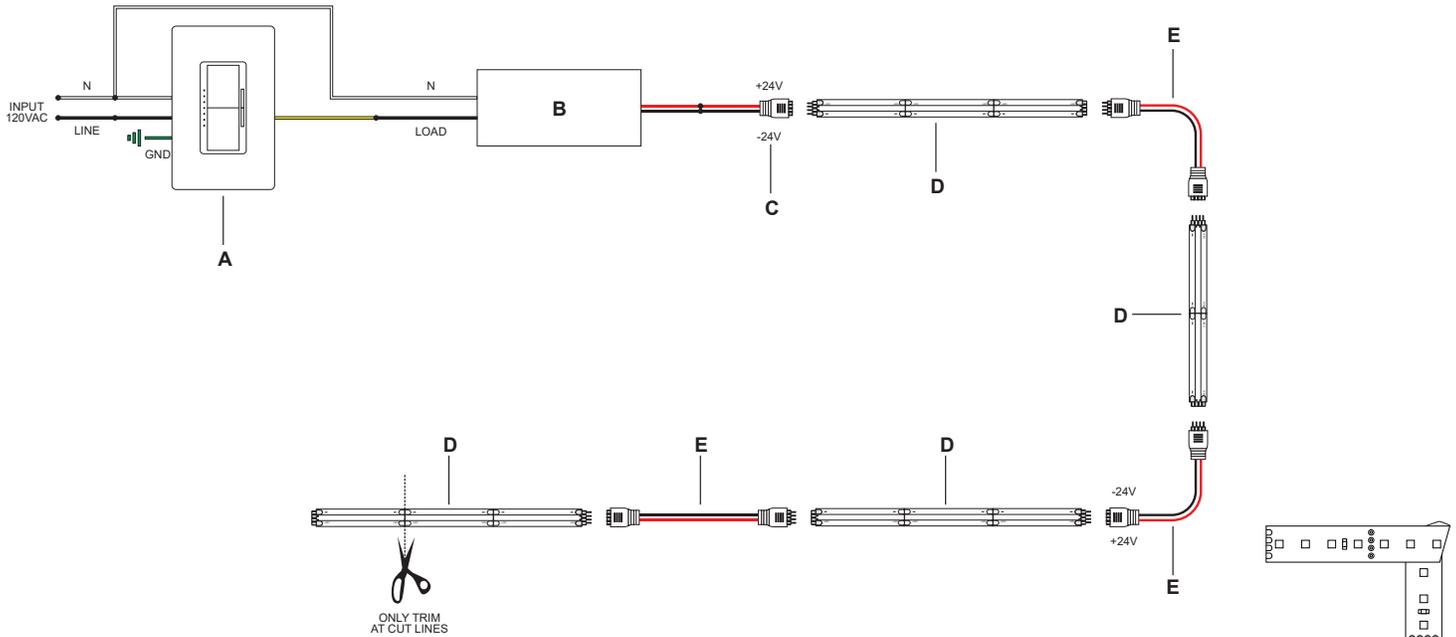
Product	Type
SS	ST
SS Strip Strap	ST Tie Strap

PROJECT	FIXTURE TYPE	DATE
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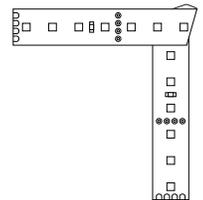
LAZER STRIP ACCESSORIES

PINS & SOLDERED LEADS

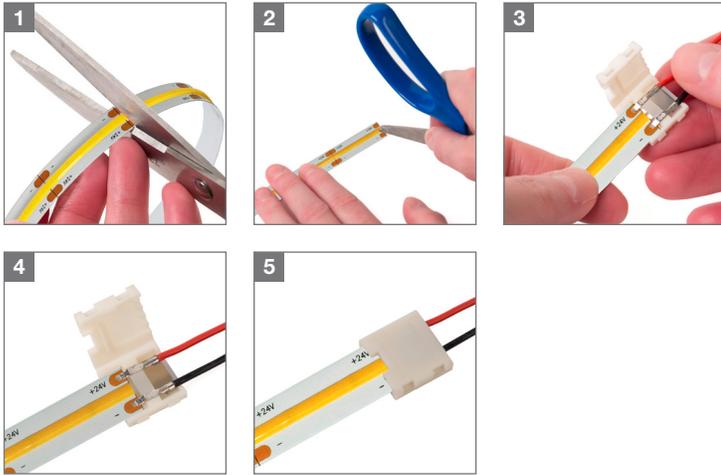
INDOOR ELECTRONIC LOW VOLTAGE DIMMING (ELV) SAMPLE WIRING DIAGRAM: The example below is using a PureEdge Class 2, 24VDC Universal Power Supply



- A. ELV Dimmer
- B. Uni Power Supply
- C. 24VDC Power Feed Connector
- D. 24VDC LED Strip
- E. Flexible Connector



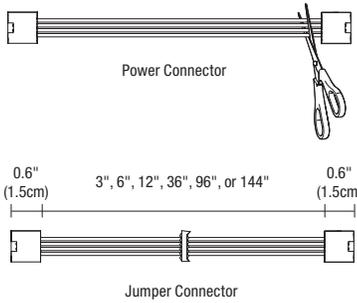
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USING THE SNAP & LIGHT SOLDERLESS CONNECTORS:

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.

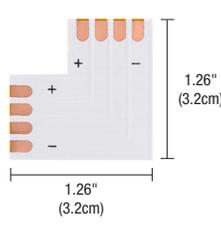
1. Cut the middle of joining contacts
2. Remove the protective coating from the contacts
3. Place the Lazer Strip end under the plastic guide and push it under the snap contacts
4. Close the cover
5. Snap the cover to secure in place



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.

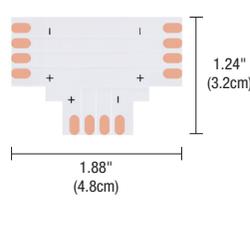
Product	Type	Size												
LS	SLC	12IN												
LS Lazer Strip	SLC Snap & Light Jumper or Power Connectors	<table border="1"> <tr> <td>3IN</td> <td>3 inches</td> <td>36IN</td> <td>36 inches</td> </tr> <tr> <td>6IN</td> <td>6 inches</td> <td>96IN</td> <td>96 inches</td> </tr> <tr> <td>12IN</td> <td>12 inches</td> <td>144IN</td> <td>144 inches</td> </tr> </table>	3IN	3 inches	36IN	36 inches	6IN	6 inches	96IN	96 inches	12IN	12 inches	144IN	144 inches
3IN	3 inches	36IN	36 inches											
6IN	6 inches	96IN	96 inches											
12IN	12 inches	144IN	144 inches											



SOLDERLESS SNAP & LIGHT L-CONNECTOR

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

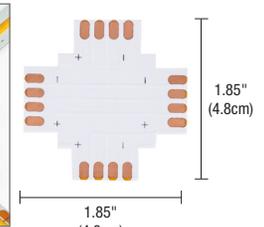
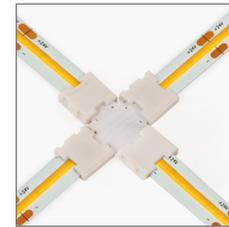
Product	Type
LS	SLL
LS Lazer Strip	SLL Snap & Light L-Connector



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



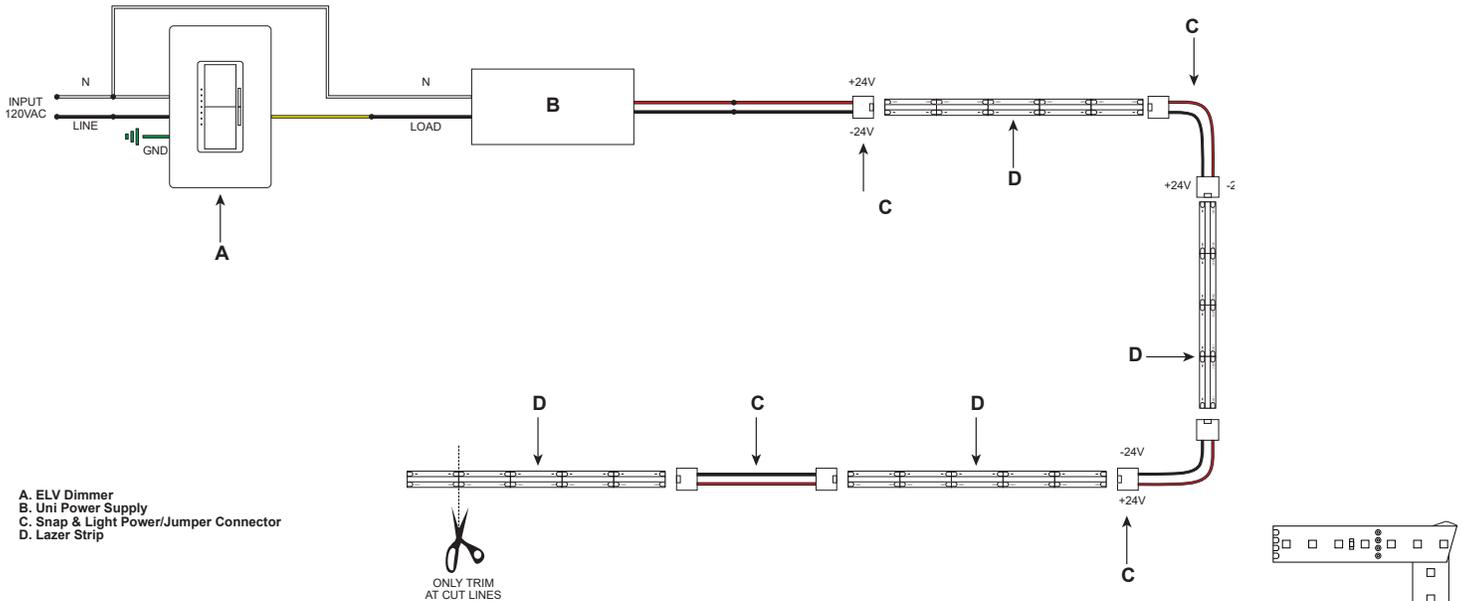
SOLDERLESS SNAP & LIGHT X-CONNECTOR

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

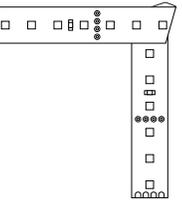
PROJECT	FIXTURE TYPE	DATE
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INDOOR ELECTRONIC LOW VOLTAGE DIMMING (ELV) SAMPLE WIRING DIAGRAM: The example below is using a PureEdge Class 2, 24VDC Universal Power Supply



- A. ELV Dimmer
- B. Uni Power Supply
- C. Snap & Light Power/Jumper Connector
- D. Lazer Strip

- A. ELV Dimmer
- B. Universal Power Supply
- C. 24VDC Solderless Snap & Light Power/Jumper Connector
- D. 24VDC LED Strip
- E. Solderless Snap & Light L-Connector
- F. Solderless Snap & Light Straight Joiner



Strip does **NOT** bend 90°

PROJECT		FIXTURE TYPE		DATE	
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