



# LAZER STRIP COB™ STATIC WHITE

3W & 5W, 24VDC



DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

REV 04.18.22



24KZ - 2400K Amber White



27KZ - 2700K Very Warm White



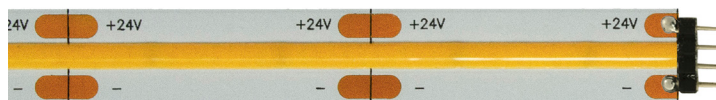
30KZ - 3000K Warm White



35KZ - 3500K Neutral White



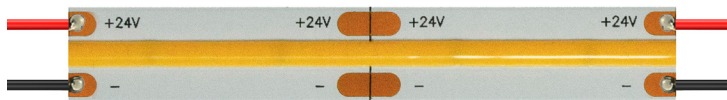
40KZ - 4000K Neutral White



Pin Connector



6' Soldered Lead, 1 End



6' Soldered Leads, 2 Ends



Snap and Light

## 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
- 4 oz of copper with 12 mm wide board provides better heat dissipation and less voltage drop
- 24VDC LED Lazer Strip COB (Chip on Board) offers 5 static white color temperatures
- Up to 94+ CRI
- Solid State Power Supply offers 85-90% efficiency compared to magnetic at 80%
- 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)

## LAMP DATA:

- Five Static White Color Temperatures: 2400K, 2700K, 3000K, 3500K, 4000K
- Average life is 50,000 hours

## INCLUDED COMPONENTS

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

## ACCESSORIES (SOLD SEPARATELY)

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

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

24VDC, Class 2 wiring

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

\*In-Wall Mounting Kits available for select power supplies

## MOUNTING

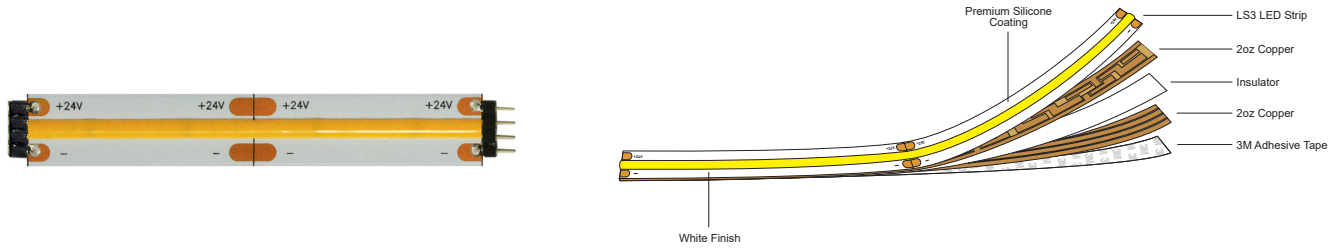
- Industrial 3M tape lines back of strip for self-adhesion to most smooth finished surfaces including ceiling, walls, cabinets and drawers
- Additional Pin Connectors, Mounting Straps, and Clips may be needed for some applications (sold separately)

## 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  |
|--|---|-------------|--|--|
| <b>LS3</b>   | <b>PIN</b>  | <b>24V</b>  | <b>30</b>                                    | <b>24KZ</b>  |
| LS3 Lazer Strip Commercial, 3.3 watts per foot<br>LS5 Lazer Strip Commercial, 4.4 watts per foot | PIN Pin Connector<br>SE1 6' Soldered Lead, 1 End<br>SE2 6' Soldered Leads, 2 Ends<br>Leave blank for Snap and Light | 24V 24 Volt | 1-30 1-30 feet (LS3)<br>1-20 1-20 feet (LS5) | 24KZ 2400K Amber White<br>27KZ 2700K Very Warm White<br>30KZ 3000K Warm White<br>35KZ 3500K Neutral White<br>40KZ 4000K Cool White |

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|



## LAMP DATA

| WATTS PER FOOT          | LS3            |      |      |      |      | LS5            |      |      |      |      |
|-------------------------|----------------|------|------|------|------|----------------|------|------|------|------|
|                         | 3W (3.3 watts) |      |      |      |      | 5W (4.4 watts) |      |      |      |      |
| COLOR TEMPERATURE       | 24KZ           | 27KZ | 30KZ | 35KZ | 40KZ | 24KZ           | 27KZ | 30KZ | 35KZ | 40KZ |
| LUMENS PER FOOT (lm/ft) | 240            | 258  | 271  | 274  | 280  | 264            | 338  | 369  | 423  | 459  |
| LUMENS PER WATT (lm/w)  | 73             | 78   | 82   | 83   | 85   | 60             | 77   | 84   | 96   | 85   |
| CRI                     | 91.4           | 93.4 | 92.2 | 94   | 93.4 | 91.4           | 93.4 | 92.2 | 94   | 93.4 |

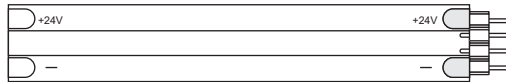
## POWER CONSUMPTION PER LINEAR FOOT

| 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 STATIC WHITE 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



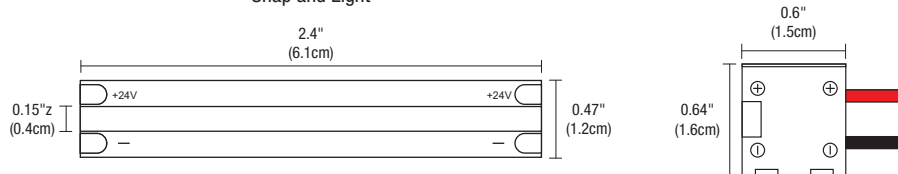
### 6' Soldered lead, 1 end SE1



### 6' Soldered lead, 2 ends SE2



### Snap and Light



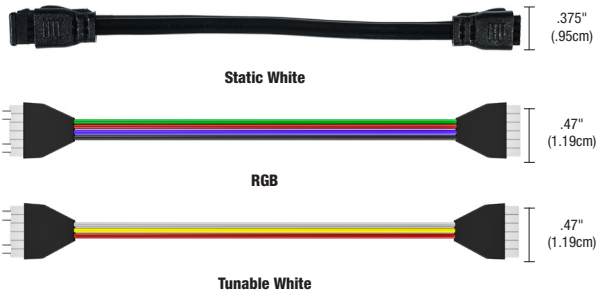
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|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
|---------|--|--------------|--|------|--|



### POWER FEED CONNECTOR

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

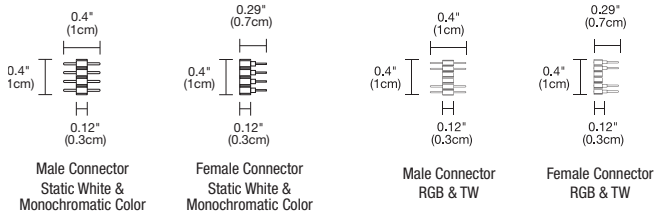
| System         | Type                          | Size  | Color Temperature  |
|----------------|-------------------------------|---|--|
| <b>LS</b>      | <b>PFE</b>                    | <b>12FT</b>   |  |
| LS Lazer Strip | PFE Power Feed Connector Cord | <b>6FT</b> 6 Feet<br><b>8FT</b> 8 Feet<br>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



### FLEXIBLE CONNECTOR

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

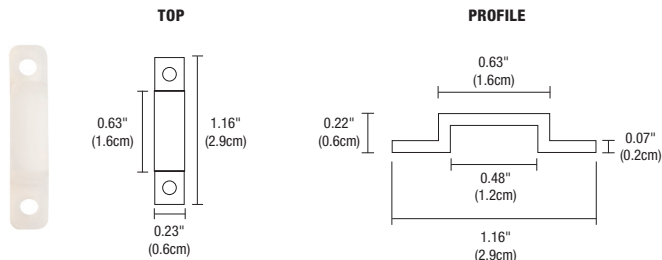
| Product        | Type                   | Size   | Color Temperature  |
|----------------|------------------------|--|--|
| <b>LS</b>      | <b>CFX</b>             | <b>3IN</b>   |  |
| LS Lazer Strip | CFX Flexible Connector | <b>3IN</b> 3 inches<br><b>6IN</b> 6 inches<br><b>12IN</b> 12 inches<br>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



### PIN CONNECTORS

Extra soldering pin connectors. Male and female.

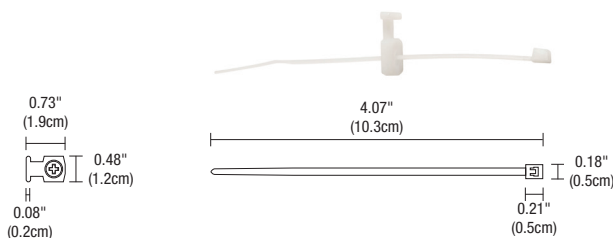
| System         | Product  | Type          | Color Temperature   |
|----------------|--|---------------|---|
| <b>LS</b>      | <b>ML</b>  | <b>CON</b>    |   |
| LS Lazer Strip | <b>FE</b> Female Connector<br><b>ML</b> Male Connector | CON Connector | <b>RGB</b> Red, Green & Blue (Tunable White compatible)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



### LAZER STRIP U-STRAP

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

| Product        | Type       |
|----------------|------------|
| <b>SS</b>      | <b>SU</b>  |
| SS Strip Strap | SU U-Strap |

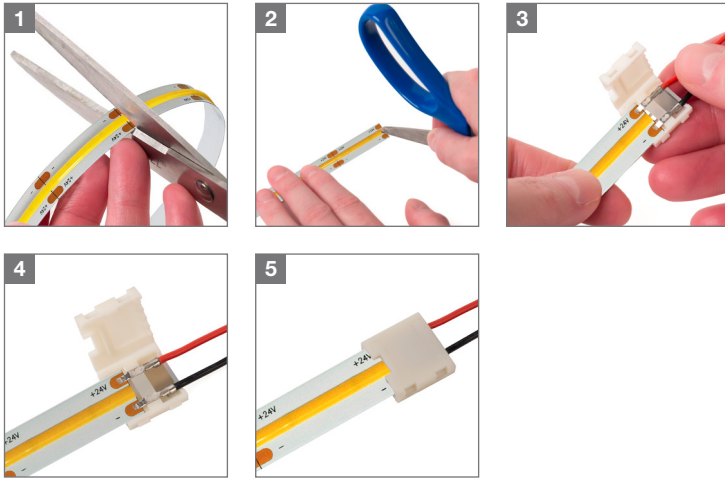


### LAZER STRIP TIE STRAP

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

| Product        | Type         |
|----------------|--------------|
| <b>SS</b>      | <b>ST</b>    |
| SS Strip Strap | ST Tie Strap |

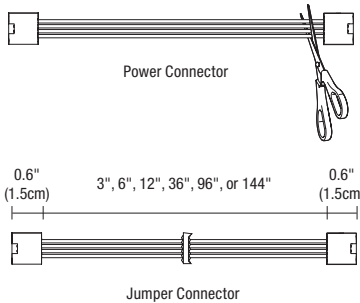
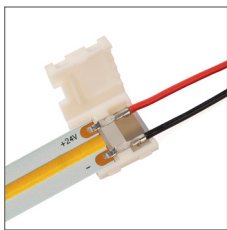
| PROJECT | FIXTURE TYPE | DATE |
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**USING THE SNAP & LIGHT SOLDERLESS CONNECTORS:**

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.

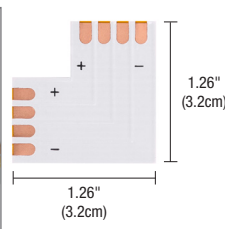
1. Cut the middle of joining contacts
2. Remove the protective coating from the contacts
3. Place the Lazer Strip end under the plastic guide and push it under the snap contacts
4. Close the cover
5. Snap the cover to secure in place



**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.

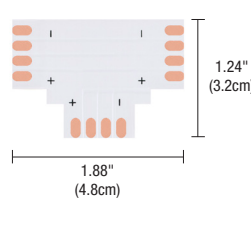
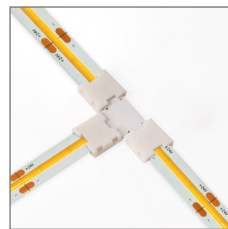
| Product        | Type  | Size   |            |          |             |           |            |          |             |           |             |           |              |            |
|----------------|---|--|------------|----------|-------------|-----------|------------|----------|-------------|-----------|-------------|-----------|--------------|--------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



**SOLDERLESS SNAP & LIGHT L-CONNECTOR**

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

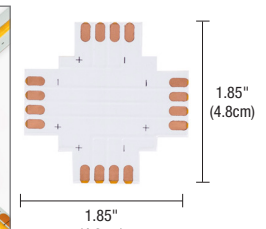
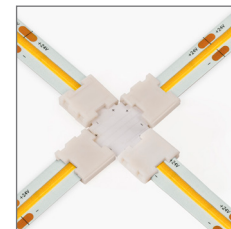
| Product        | Type                         |
|----------------|------------------------------|
| <b>LS</b>      | <b>SLL</b>                   |
| LS Lazer Strip | SLL Snap & Light L-Connector |



**SOLDERLESS SNAP & LIGHT T-CONNECTOR**

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

| Product        | Type                         |
|----------------|------------------------------|
| <b>LS</b>      | <b>SLT</b>                   |
| LS Lazer Strip | SLT Snap & Light T-Connector |



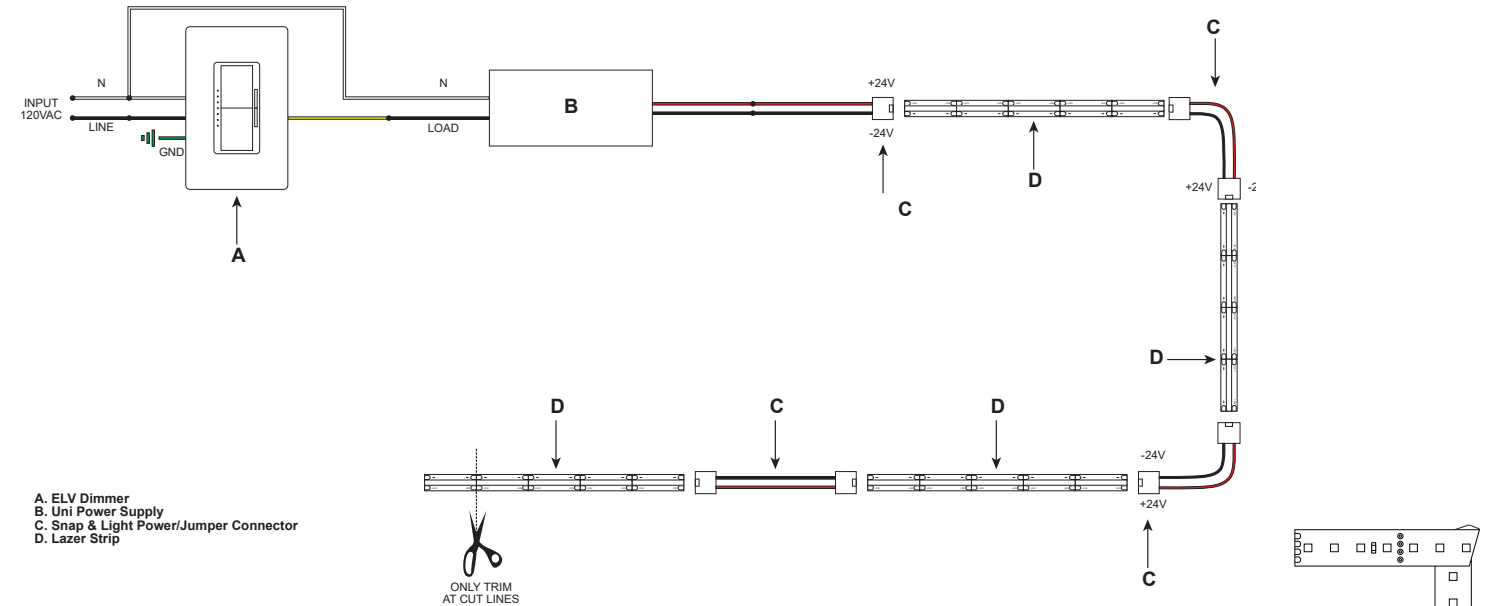
**SOLDERLESS SNAP & LIGHT X-CONNECTOR**

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

| Product        | Type                         |
|----------------|------------------------------|
| <b>LS</b>      | <b>SLX</b>                   |
| LS Lazer Strip | SLX Snap & Light X-Connector |

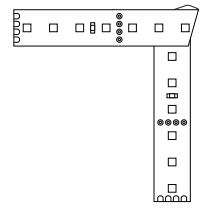
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| PROJECT | FIXTURE TYPE | DATE |
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**INDOOR ELECTRONIC LOW VOLTAGE DIMMING (ELV) SAMPLE WIRING DIAGRAM:** The example below is using a PureEdge Class 2, 24VDC Universal Power Supply



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



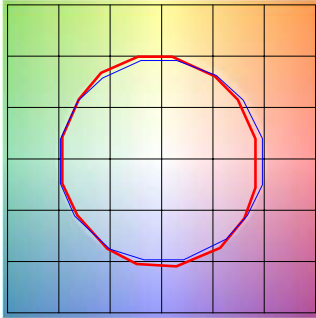
Strip does **NOT** bend 90°

|         |  |              |  |      |  |
|---------|--|--------------|--|------|--|
| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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**TM-30-15 DATA:** The data below is for LS3 and 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.

**2400K | Rf: 90.1 | Rg: 99.9**

Color Vector Graphic

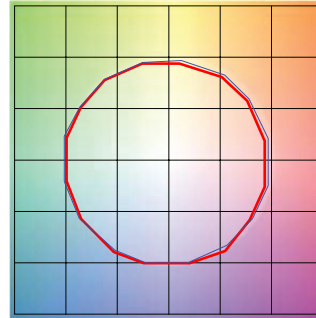


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
|         |      | CHROMA           | HUE    |
| 1       | 87.8 | -5.8%            | -0.5%  |
| 2       | 88.6 | -4.7%            | 3.9%   |
| 3       | 85.2 | -1.1%            | 6.5%   |
| 4       | 92.1 | 1.4%             | 3.8%   |
| 5       | 94.6 | 3.0%             | 3.2%   |
| 6       | 92.7 | 4.5%             | 0.4%   |
| 7       | 91.3 | 0.7%             | -4.7%  |
| 8       | 95.7 | 0.3%             | -2.3%  |
| 9       | 94.8 | -2.2%            | -0.8%  |
| 10      | 93.1 | -2.5%            | 2.2%   |
| 11      | 91.7 | 1.0%             | 4.7%   |
| 12      | 88.4 | 3.0%             | 0.4%   |
| 13      | 87.6 | 4.3%             | -9.4%  |
| 14      | 81.0 | 3.1%             | -11.6% |
| 15      | 89.8 | -0.8%            | -6.7%  |
| 16      | 83.9 | -4.9%            | -9.7%  |

**2700K | Rf: 92.4 | Rg: 98.0**

Color Vector Graphic

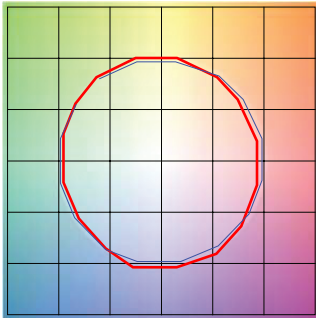


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 90.6 | -4.5%            | -0.4% |
| 2       | 92.6 | -3.4%            | 1.4%  |
| 3       | 91.9 | -2.2%            | 3.0%  |
| 4       | 94.6 | -2.3%            | 1.2%  |
| 5       | 95.3 | -1.1%            | 2.6%  |
| 6       | 96.9 | 0.4%             | 0.9%  |
| 7       | 94.7 | -2.2%            | -1.1% |
| 8       | 97.9 | -0.5%            | 0.7%  |
| 9       | 95.0 | -2.1%            | 1.4%  |
| 10      | 91.7 | -1.5%            | 4.4%  |
| 11      | 90.2 | 0.4%             | 6.4%  |
| 12      | 90.5 | 3.6%             | 0.5%  |
| 13      | 92.4 | 2.0%             | -4.6% |
| 14      | 88.7 | 2.9%             | -7.5% |
| 15      | 92.4 | -1.6%            | -3.4% |
| 16      | 86.4 | -2.6%            | -9.0% |

**3000K | Rf: 90.7 | Rg: 99.7**

Color Vector Graphic

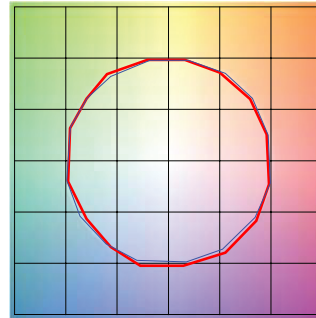


■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
|         |      | CHROMA           | HUE    |
| 1       | 89.6 | -5.1%            | -0.6%  |
| 2       | 90.8 | -3.7%            | 2.9%   |
| 3       | 87.7 | -1.3%            | 5.6%   |
| 4       | 92.7 | -0.1%            | 3.1%   |
| 5       | 94.3 | 1.7%             | 3.1%   |
| 6       | 94.2 | 3.0%             | -0.3%  |
| 7       | 92.6 | -0.7%            | -3.4%  |
| 8       | 97.1 | -0.3%            | -1.4%  |
| 9       | 94.6 | -2.4%            | 1.0%   |
| 10      | 90.4 | -2.1%            | 4.8%   |
| 11      | 87.6 | 0.5%             | 7.9%   |
| 12      | 88.6 | 4.7%             | 2.0%   |
| 13      | 91.4 | 3.6%             | -4.1%  |
| 14      | 86.8 | 4.6%             | -8.4%  |
| 15      | 91.0 | -0.7%            | -4.9%  |
| 16      | 84.1 | -2.5%            | -11.0% |

**3500K | Rf: 92.5 | Rg: 101.2**

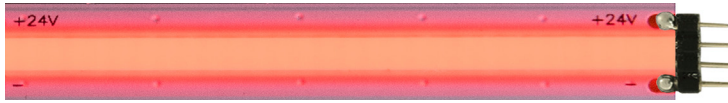
Color Vector Graphic



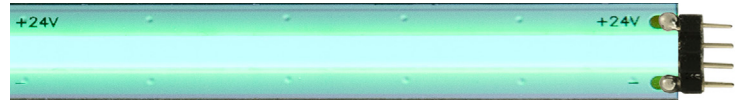
■ Test ■ Reference

| HUE BIN | Rf   | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
|         |      | CHROMA           | HUE   |
| 1       | 94.2 | -2.3%            | -0.8% |
| 2       | 95.6 | -1.8%            | 0.9%  |
| 3       | 92.1 | -0.7%            | 3.3%  |
| 4       | 93.8 | -0.5%            | 2.5%  |
| 5       | 93.2 | -0.6%            | 2.3%  |
| 6       | 95.0 | 2.6%             | 0.5%  |
| 7       | 96.2 | -0.2%            | -1.0% |
| 8       | 97.3 | -0.1%            | -1.4% |
| 9       | 95.1 | -1.7%            | 1.9%  |
| 10      | 89.5 | -2.4%            | 5.7%  |
| 11      | 85.0 | 1.2%             | 8.4%  |
| 12      | 89.8 | 4.8%             | 4.1%  |
| 13      | 94.8 | 3.0%             | -0.1% |
| 14      | 90.9 | 5.9%             | -3.3% |
| 15      | 91.8 | 2.1%             | -4.3% |
| 16      | 89.1 | 1.1%             | -6.2% |

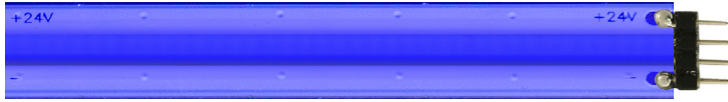
|         |              |      |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
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RZ - Red



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
- 4 oz of copper with 12 mm 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)

### INCLUDED COMPONENTS

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

### ACCESSORIES (SOLD SEPARATELY)

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

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

24VDC, Class 2 wiring

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

\*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
- Additional Connectors, Mounting Straps, and Clips 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

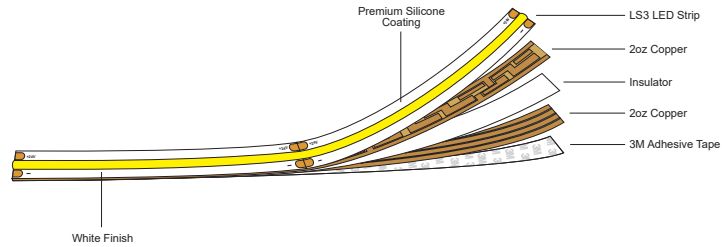
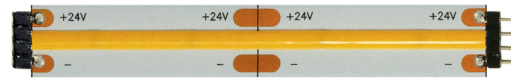
| System   | Type   | Voltage            | Length In Feet   | Color Temperature   |
|--|--|--------------------|--|---|
| <b>LS3</b>   | <b>PIN</b>   | <b>24V</b>         | <b>30</b>  | <b>AZ</b>   |
| <b>LS3</b> Lazer Strip Commercial, 3.3 watts per foot<br><b>LS5</b> Lazer Strip Commercial, 4.4 watts per foot | <b>PIN</b> Pin Connector<br><b>SE1</b> 6' Soldered Lead, 1 End<br><b>SE2</b> 6' Soldered Leads, 2 Ends<br>Leave Blank For Snap & Light | <b>24V</b> 24 Volt | <b>1-30</b> 1-30 feet (LS3)<br><b>1-20</b> 1-20 feet (LS5) | <b>AZ</b> Amber<br><b>BZ</b> Blue<br><b>GZ</b> Green<br><b>RZ</b> Red |

|         |  |              |  |      |  |
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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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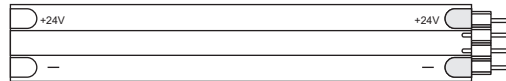
## POWER CONSUMPTION PER LINEAR FOOT

| 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 |  |



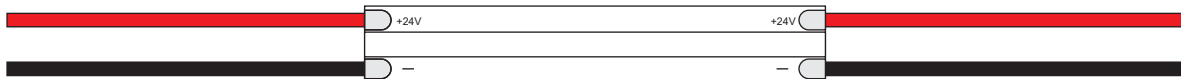
### Pin Connector



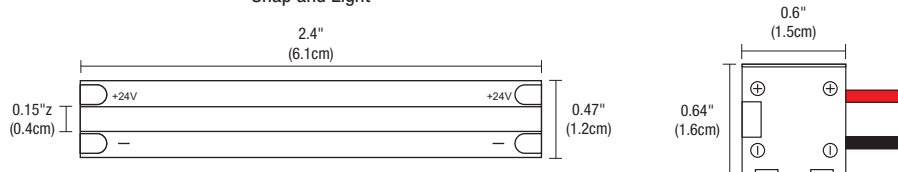
### 6' Soldered lead, 1 end SE1



### 6' Soldered lead, 2 ends SE2



### Snap and Light



|         |  |              |  |      |  |
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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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### POWER FEED CONNECTOR

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

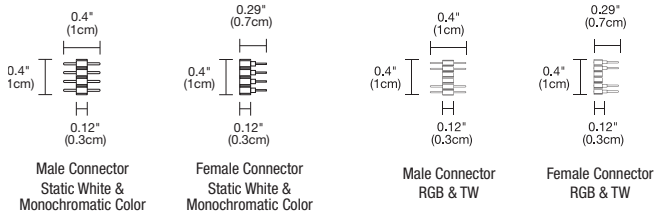
| System         | Type                          | Size  | Color Temperature  |
|----------------|-------------------------------|---|--|
| <b>LS</b>      | <b>PFE</b>                    | <b>12FT</b>   |  |
| LS Lazer Strip | PFE Power Feed Connector Cord | <b>6FT</b> 6 Feet<br><b>8FT</b> 8 Feet<br>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



### FLEXIBLE CONNECTOR

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

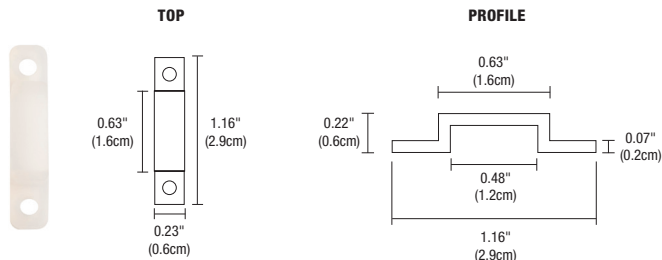
| Product        | Type                   | Size   | Color Temperature  |
|----------------|------------------------|--|--|
| <b>LS</b>      | <b>CFX</b>             | <b>3IN</b>   |  |
| LS Lazer Strip | CFX Flexible Connector | <b>3IN</b> 3 inches<br><b>6IN</b> 6 inches<br><b>12IN</b> 12 inches<br>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



### PIN CONNECTORS

Extra soldering pin connectors. Male and female.

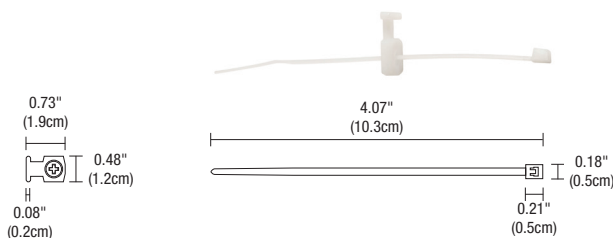
| System         | Product  | Type          | Color Temperature  |
|----------------|--|---------------|--|
| <b>LS</b>      | <b>ML</b>  | <b>CON</b>    |  |
| LS Lazer Strip | <b>FE</b> Female Connector<br><b>ML</b> Male Connector | CON Connector | <b>RGB</b> Red, Green & Blue<br>(Tunable White compatible)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



### LAZER STRIP U-STRAP

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

| Product        | Type       |
|----------------|------------|
| <b>SS</b>      | <b>SU</b>  |
| SS Strip Strap | SU U-Strap |

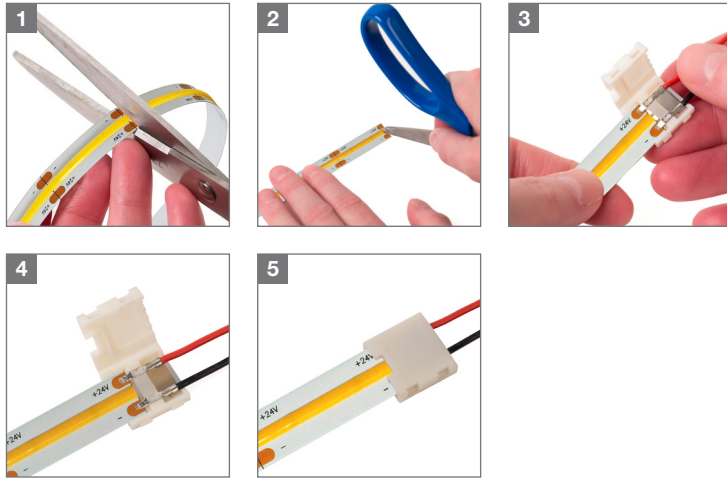


### LAZER STRIP TIE STRAP

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

| Product        | Type         |
|----------------|--------------|
| <b>SS</b>      | <b>ST</b>    |
| SS Strip Strap | ST Tie Strap |

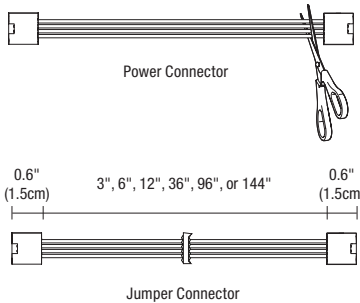
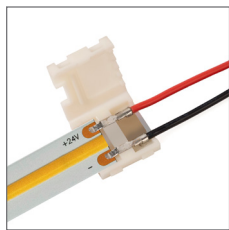
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| PROJECT |  | FIXTURE TYPE |  | DATE |  |
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**USING THE SNAP & LIGHT SOLDERLESS CONNECTORS:**

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.

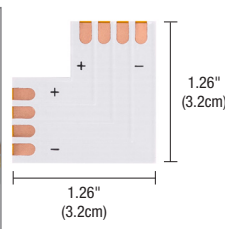
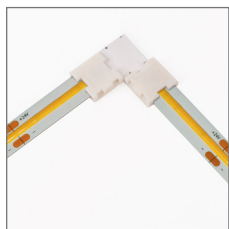
1. Cut the middle of joining contacts
2. Remove the protective coating from the contacts
3. Place the Lazer Strip end under the plastic guide and push it under the snap contacts
4. Close the cover
5. Snap the cover to secure in place



**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.

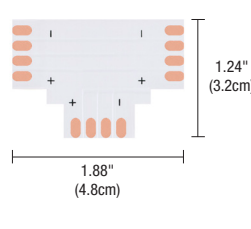
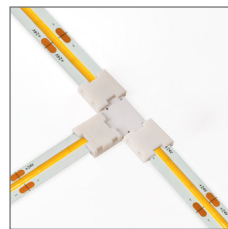
| Product        | Type  | Size   |            |          |             |           |            |          |             |           |             |           |              |            |
|----------------|---|--|------------|----------|-------------|-----------|------------|----------|-------------|-----------|-------------|-----------|--------------|--------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



**SOLDERLESS SNAP & LIGHT L-CONNECTOR**

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

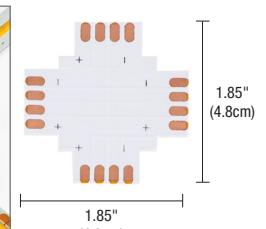
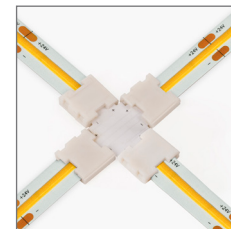
| Product        | Type                         |
|----------------|------------------------------|
| <b>LS</b>      | <b>SLL</b>                   |
| LS Lazer Strip | SLL Snap & Light L-Connector |



**SOLDERLESS SNAP & LIGHT T-CONNECTOR**

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

| Product        | Type                         |
|----------------|------------------------------|
| <b>LS</b>      | <b>SLT</b>                   |
| LS Lazer Strip | SLT Snap & Light T-Connector |



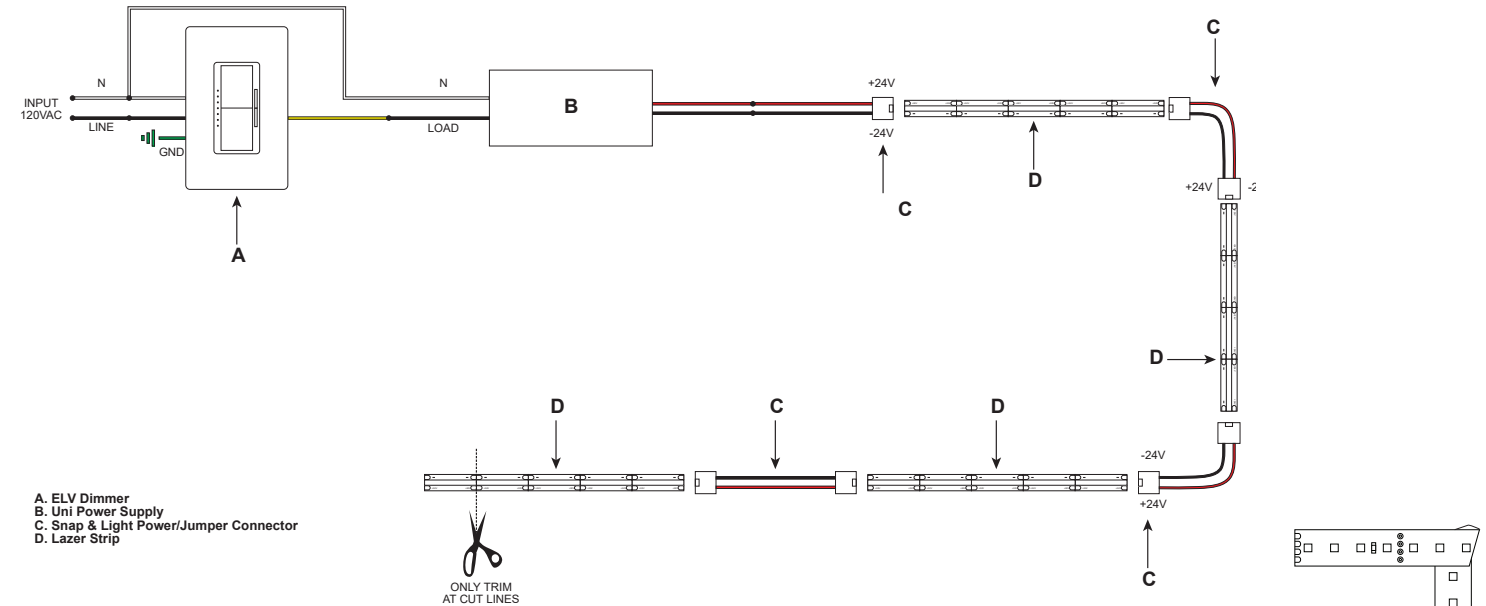
**SOLDERLESS SNAP & LIGHT X-CONNECTOR**

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

| Product        | Type                         |
|----------------|------------------------------|
| <b>LS</b>      | <b>SLX</b>                   |
| LS Lazer Strip | SLX Snap & Light X-Connector |

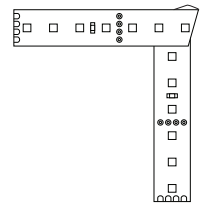
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| PROJECT | FIXTURE TYPE | DATE |
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**INDOOR ELECTRONIC LOW VOLTAGE DIMMING (ELV) SAMPLE WIRING DIAGRAM:** The example below is using a PureEdge Class 2, 24VDC Universal Power Supply



- 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 |  |
|---------|--|--------------|--|------|--|