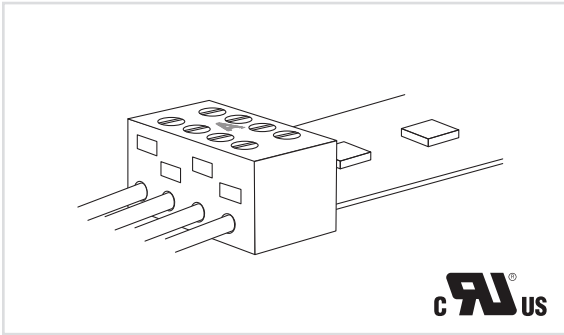


# AmpChamp™ RGB/RGBW LED Wire-to-Tape Light Connector



AmpChamp RGB and RGBW connectors are the only terminal-type connectors on the market that accommodate RGB and RGBW LED tape light. The new and revolutionary, patent-pending design accommodates tape light as narrow as .40 inches, while the high copper-content alloy construction provides exceptional corrosion resistance and unmatched connectivity.

The AmpChamp RGB and RGBW connectors are compatible with Alloy LED Radialux RGB and RGBW tape lights, and fit easily into our most popular aluminum channels. The connectors feature an 8-amp limit, which allows longer runs, and include a six-inch lead 20 AWG, CL2 in-wall rated wire.



## TECHNICAL INFORMATION

<b>Voltage</b>	12-24V DC
<b>Maximum Current</b>	8A*
<b>Mounting</b>	3M™ VHB™ tape (pre-installed)
<b>Maximum Wire Gauge</b>	16 AWG†
<b>Compatible Wire</b>	Solid core, tinned, stranded

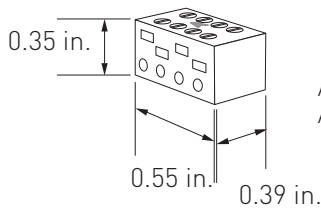
\*For Class 2 compliance, circuits are limited to 5A (12V) and 4A (24V).

†Only remove up to 3/16 inch of the wire jacket to avoid short circuits.

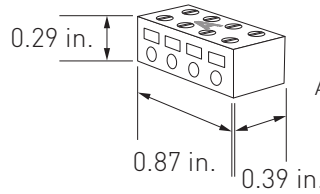
Note: Pre-installed 3M VHB tape adds approximately 0.04 in. in height. 3M VHB tapes can be removed if tape light does not fit into channel.

Check that the wires coming from connector match the markings on the tape, e.g. red is connected to red, blue is connected to blue, etc.

### RGB

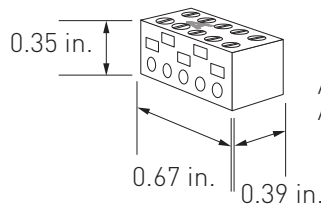


AL-02-01-9900  
AL-02-02-9900

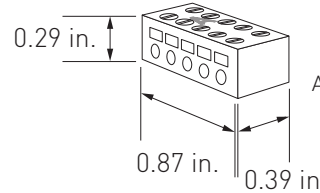


AL-02-13-9900

### RGBW

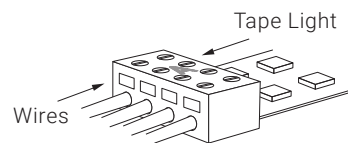


AL-02-03-9900  
AL-02-06-9900

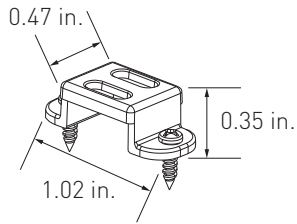


AL-02-14-9900

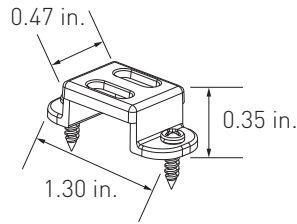
Note: RGB and RGBW AmpChamps have one side with holes for wires and the other side for tape light.



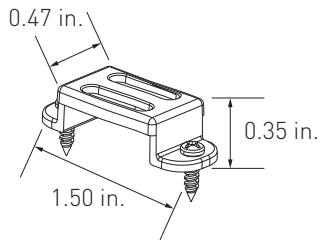
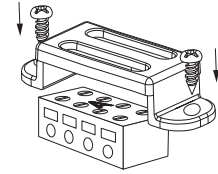
## MOUNTING CLIPS



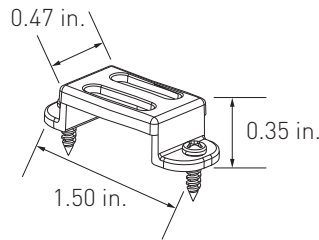
Compatible with:  
AL-02-01-9900  
AL-02-02-9900



Compatible with:  
AL-02-03-9900  
AL-02-06-9900



Compatible with:  
AL-02-13-9900



Compatible with:  
AL-02-14-9900

## PRODUCT INFORMATION

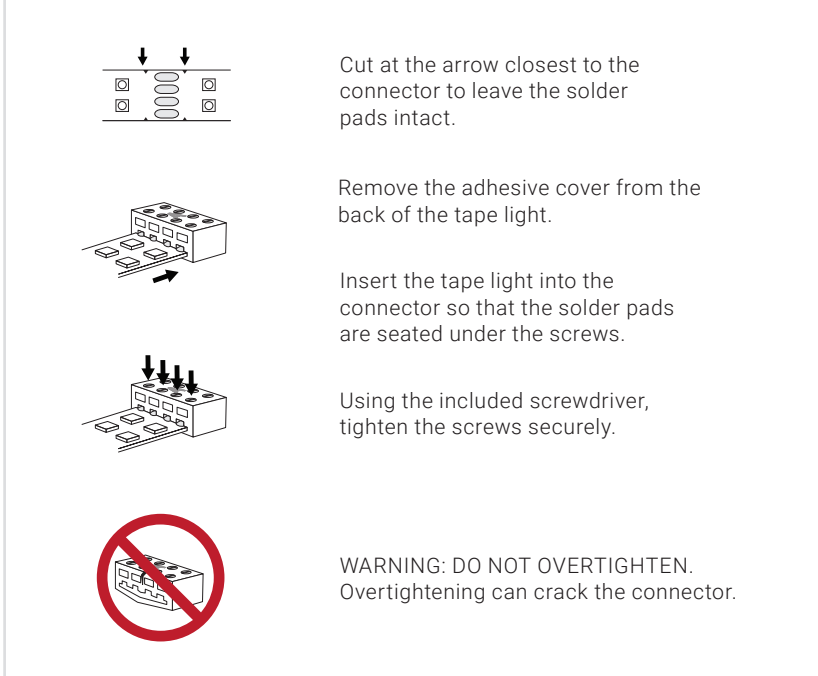
**Add "-10" to the end of the item number for a 10 pack**  
**Add "-100" to the end of the item number for a 100 pack**

Item Number	Compatible Tape Light	Dimensions (W x L x H)
AL-02-01-9900	Radialux 2.2 RGB	0.55 x 0.39 x 0.35 in.
AL-02-02-9900	Radialux 4.4 RGB	0.55 x 0.39 x 0.35 in.
AL-02-03-9900	Radialux 4.4 RGBW	0.67 x 0.39 x 0.35 in.
AL-02-06-9900	Radialux 5.9 RGBW	0.67 x 0.39 x 0.35 in.
AL-02-13-9900	Radialux 8.8 RGB	0.87 x 0.39 x 0.29 in.
AL-02-14-9900	Radialux 8.8 RGBW	0.87 x 0.39 x 0.29 in.

## INSTRUCTIONS

NOTE: Check polarity of the tape light and/or wires: (+) and (-) symbols on the tape should match POSITIVE (red) and NEGATIVE (black) wires.  
NOTE: Ensure all components are installed in accordance with the current National Electric Code (NEC), and UL safety standards.

### Connecting RGB/RGBW Tape Light



Cut at the arrow closest to the connector to leave the solder pads intact.

Remove the adhesive cover from the back of the tape light.

Insert the tape light into the connector so that the solder pads are seated under the screws.

Using the included screwdriver, tighten the screws securely.

**WARNING: DO NOT OVERTIGHTEN.**  
Overtightening can crack the connector.

### Connecting Wire



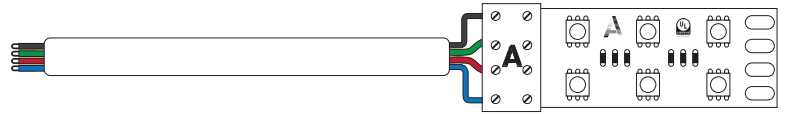
If wire is solid core or tinned, insert the wires into the connector.

Using the included screwdriver, tighten the screws securely.

**WARNING: DO NOT OVERTIGHTEN.**  
Overtightening can crack the connector.

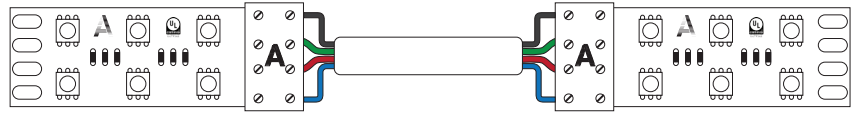
## CONFIGURATIONS

Tape-to-Hard-Wired Power Connection



Flexible Jumper Connection

\*Two AmpChamps Required



## AMPCHAMP & CHANNEL COMPATIBILITY

	Polymer Low-Profile Surface Mount	Surfa 1	Surfa 2	Surfa 2X	Surfa 3	Surfa 6	Surfa 7	Suspan® 1	Ankr® 1	Ankr® 2	Ankr® 3	Ankr® 4	Naro® 4	Duro 1	Duro 2
Radialux 2.2 RGB				Y				Y	Y	Y					
Radialux 4.4 RGB				Y				Y	Y	Y					
Radialux 4.4 RGBW				Y				Y	Y	Y					
Radialux 5.9 RGBW				Y				Y	Y	Y					
Radialux 8.8 RGB				Y				Y	Y	Y					
Radialux 8.8 RGBW				Y				Y	Y	Y					

Note: 3M VHB tape under Amp Champ is removable. Data from the chart is measured without the tape and mounting clip.