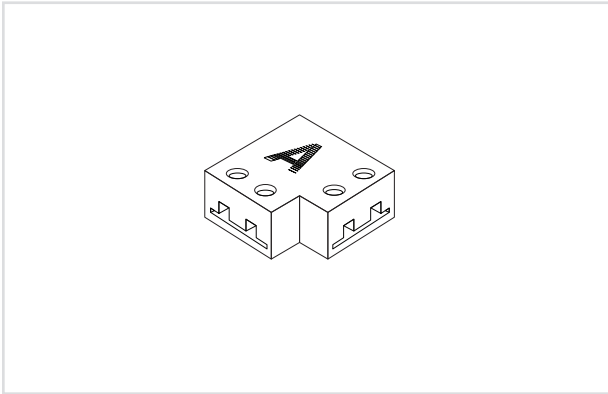# ALLOYLED® Specifications

Amp Champ™ LED Tape Light & Wire Corner Connector

The compact, capable, safe, and versatile Amp Champ LED tape light and wire connector provides secure connections between LED tape light sections, between tape light and wire, or between pairs of wire leads. Amp Champ fits easily into many aluminum channels with diffusers. Pre-installed 3M VHB tape provides an excellent strain relief.
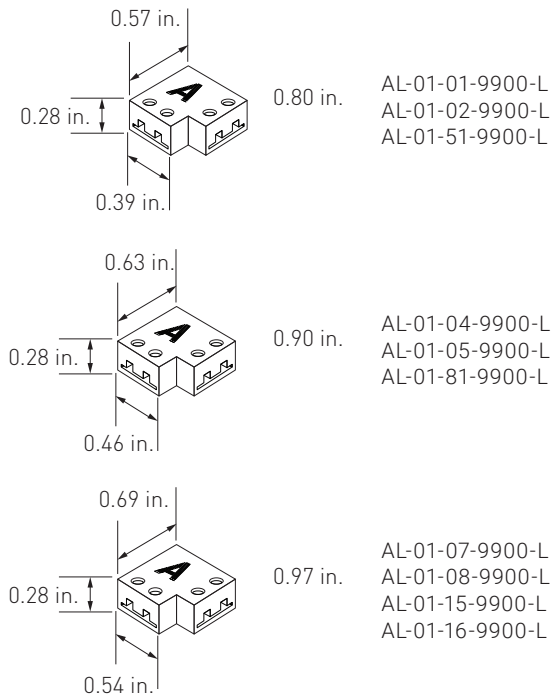
Each connector includes (4) spade connectors for use with stranded wire, and a mini screwdriver.

TECHNICAL INFORMATION

Voltage	12-24V DC
Max. Current	8A*
Mounting	3M™ VHB tape (pre-installed)
Max. Wire Gauge	16 AWG
Compatible Wire	Solid core, tinned, stranded

*For Class 2 compliance, circuits are limited to 5A (12V) and 4A (24V).
Note: Pre-installed 3M VHB tape adds approximately 0.04 in. in height.
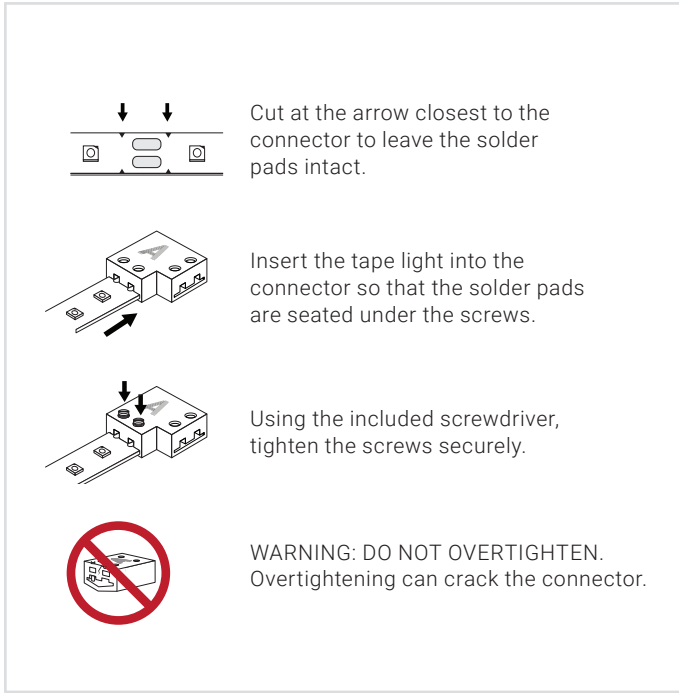   3M VHB tapes can be removed if tape light does not fit into channel.

0.57 in.
0.28 in.
0.39 in.
0.80 in.
AL-01-01-9900-L
AL-01-02-9900-L
AL-01-51-9900-L

0.63 in.
0.28 in.
0.46 in.
0.90 in.
AL-01-04-9900-L
AL-01-05-9900-L
AL-01-81-9900-L

0.69 in.
0.28 in.
0.54 in.
0.97 in.
AL-01-07-9900-L
AL-01-08-9900-L
AL-01-15-9900-L
AL-01-16-9900-L

PRODUCT INFORMATION

Add "-10" to the end of the Item # for a 10 pack

Item #	Compatible Tape Light	Dimensions (W x L x H)
AL-01-01-9900-L	PrimaLine 1.5	0.39 x 0.57 x 0.28 in.
AL-01-02-9900-L	PrimaLine 3	0.39 x 0.57 x 0.28 in.
AL-01-51-9900-L	PrimaLine 3 SE	0.39 x 0.57 x 0.28 in.
AL-01-04-9900-L	PrimaLine 1.5 XT	0.46 x 0.63 x 0.28 in.
AL-01-05-9900-L	PrimaLine 3 XT	0.46 x 0.63 x 0.28 in.
AL-01-07-9900-L	PrimaLine 5.5 LP	0.54 x 0.69 x 0.28 in.
AL-01-08-9900-L	PrimaLine 2.7 LP	0.54 x 0.69 x 0.28 in.
AL-01-15-9900-L	PrimaLine 4.4 Gen 2	0.54 x 0.69 x 0.28 in.
AL-01-16-9900-L	PrimaLine 4.4 XT Gen 2	0.54 x 0.69 x 0.28 in.
AL-01-81-9900-L	Varien 5.5	0.46 x 0.63 x 0.28 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.

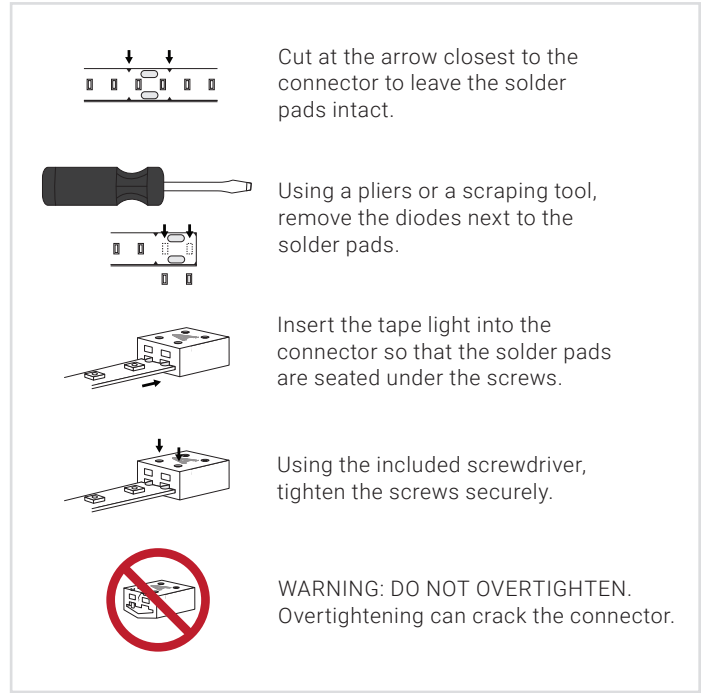### Connecting Standard Tape Light

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

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 Low-Profile Tape Lights

Cut at the arrow closest to the connector to leave the solder pads intact.
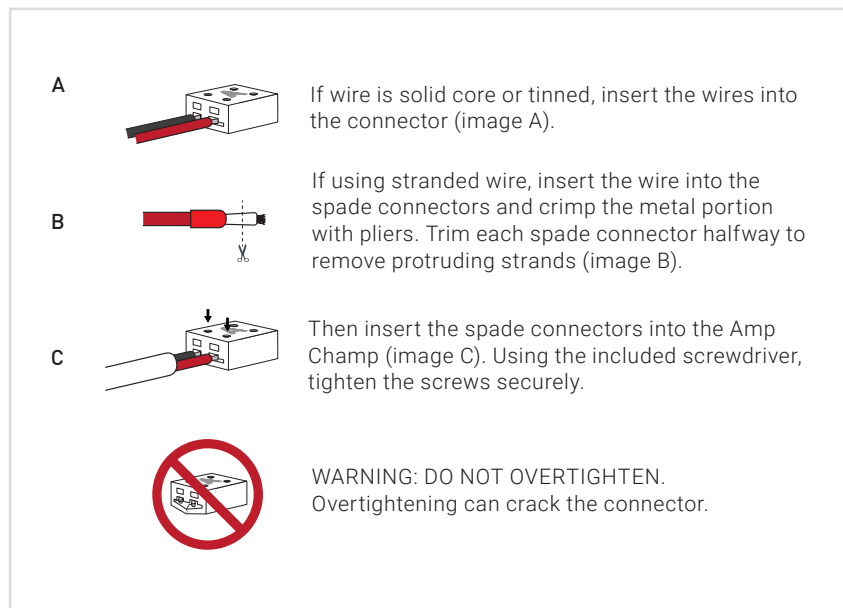
Using a pliers or a scraping tool, remove the diodes next to the solder pads.

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

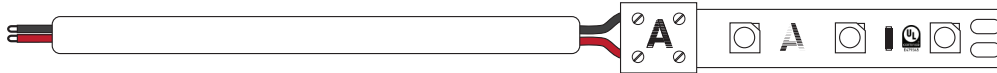A If wire is solid core or tinned, insert the wires into the connector (image A).

B If using stranded wire, insert the wire into the spade connectors and crimp the metal portion with pliers. Trim each spade connector halfway to remove protruding strands (image B).

C Then insert the spade connectors into the Amp Champ (image C). Using the included screwdriver, tighten the screws securely.

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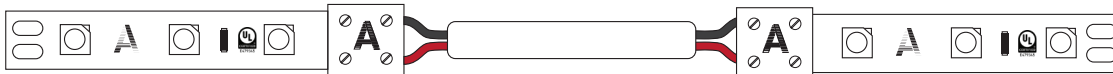
CONFIGURATIONS

Tape to Hard-Wired Power Connection
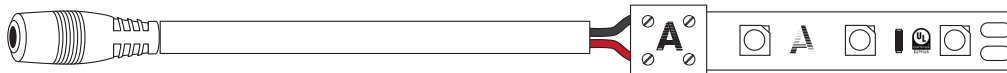
Tape-to-Tape Connection

Flexible Jumper Connection *Two Amp Champs Required

Tape to DC Plug Connection

Wire to Wire Connection

www.AlloyLED.com | Call: 800.910.LEDS [5337] | Text: 510.400.6690 | solutions@AlloyLED.com
Specifications subject to change without notice.

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ALLOYLED® Specifications

AMP CHAMP & 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
PrimaLine® 1.5	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PrimaLine 1.5 XT	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		
PrimaLine 2.7 LP	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		
PrimaLine 3	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PrimaLine 3 XT	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		
PrimaLine 4.4 Gen 2	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		
PrimaLine 4.4 XT Gen 2	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		
PrimaLine 5.5 LP	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		

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

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