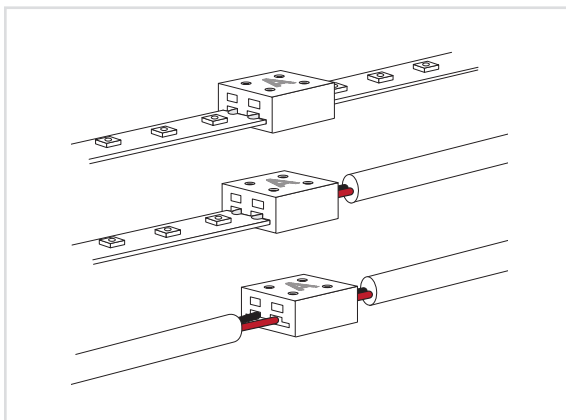
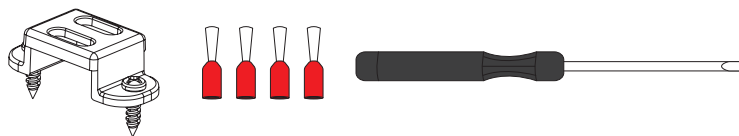


AmpChamp™ LED Tape Light & Wire Connector



The compact, capable, safe, and versatile AmpChamp 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. AmpChamp fits easily into many aluminum channels with diffusers. Pre-installed 3M VHB tape provides an excellent strain relief.



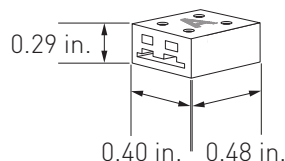
Each connector includes a mounting clip, (4) spade connectors for use with stranded wire, a mini screwdriver, and one pre-installed piece of six-inch CL2 wire with tinned leads at the end.

TECHNICAL INFORMATION

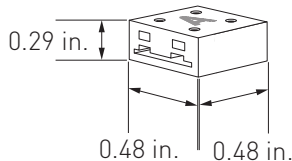
Voltage	12-24V DC
Max. Current	8A*
Mounting	3M™ VHB tape (pre-installed)
Max. Wire Gauge	16 AWG
Compatible Wire	Solid core, tinned, stranded

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

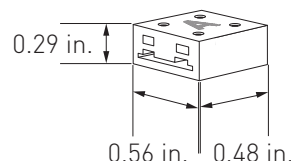
Note: Pre-installed 3M VHB tape adds approximately 0.04 in. in height. 3M VHB tapes can be removed if tape light does not fit into channel.



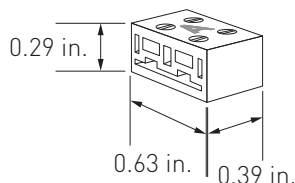
AL-01-01-9900
AL-01-02-9900
AL-01-51-9900



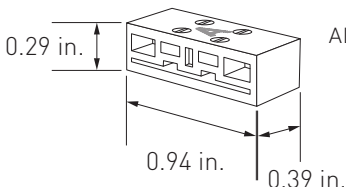
AL-01-07-9900
AL-01-08-9900
AL-01-15-9900
AL-01-16-9900
AL-01-19-9900



AL-01-04-9900
AL-01-05-9900
AL-01-79-9900
AL-01-80-9900
AL-01-81-9900
AL-01-82-9900

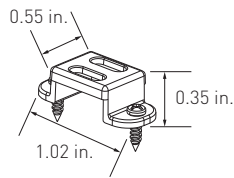


AL-01-18-9900

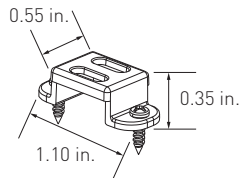


AL-01-20-9900

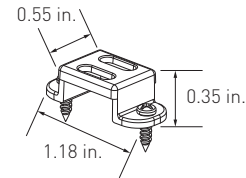
COMPATIBLE MOUNTING CLIPS



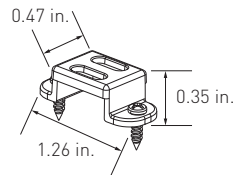
Compatible with:
AL-01-01-9900
AL-01-02-9900
AL-01-51-9900



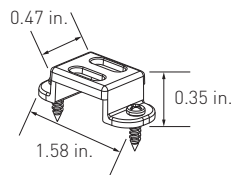
Compatible with:
AL-01-07-9900
AL-01-08-9900
AL-01-15-9900
AL-01-16-9900
AL-01-19-9900



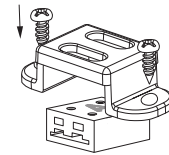
Compatible with:
AL-01-04-9900
AL-01-05-9900
AL-01-79-9900
AL-01-80-9900
AL-01-81-9900
AL-01-82-9900



Compatible with:
AL-01-18-9900



Compatible with:
AL-01-20-9900



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

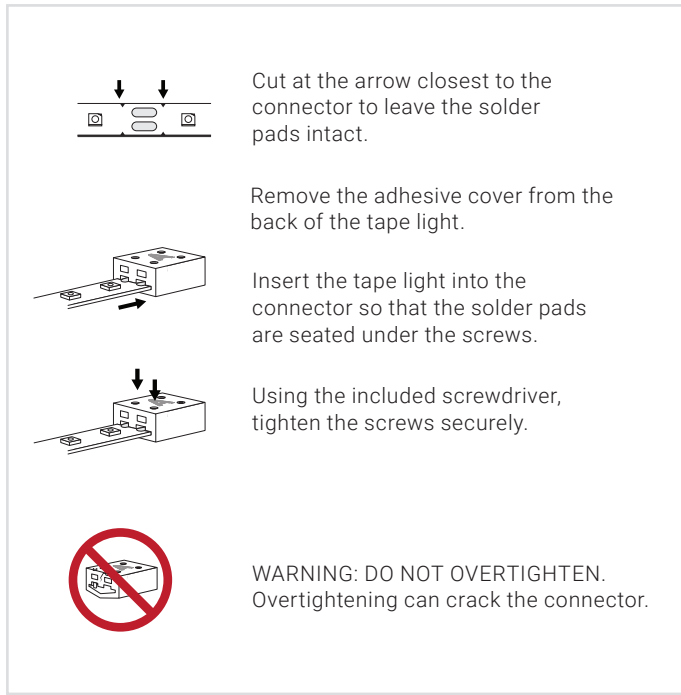
Item Number	Compatible Tape Light	Dimensions (W x L x H)
AL-01-01-9900	PrimaLine 1.5	0.4 x 0.48 x 0.29 in.
AL-01-02-9900	PrimaLine 3	0.4 x 0.48 x 0.29 in.
AL-01-04-9900	PrimaLine 1.5 XT	0.56 x 0.48 x 0.29 in.
AL-01-05-9900	PrimaLine 3 XT	0.56 x 0.48 x 0.29 in.
AL-01-07-9900	PrimaLine 5.5 LP	0.48 x 0.48 x 0.29 in.
AL-01-08-9900	PrimaLine 2.7 LP	0.48 x 0.48 x 0.29 in.
AL-01-15-9900	PrimaLine 4.4 Gen 2	0.48 x 0.48 x 0.29 in.
AL-01-16-9900	PrimaLine 4.4 XT Gen 2	0.48 x 0.48 x 0.29 in.
AL-01-18-9900	PrimaLine 6.6 Gen 2	0.63 x 0.39 x 0.29 in.
AL-01-19-9900	PrimaLine 7	0.48 x 0.48 x 0.29 in.
AL-01-20-9900	PrimaLine 8 Gen 2	0.94 x 0.39 x 0.29 in.
AL-01-51-9900	PrimaLine 3 SE	0.4 x 0.48 x 0.29 in.
AL-01-79-9900	Varien 1.2 XT	0.56 x 0.48 x 0.29 in.
AL-01-80-9900	Varien 2.7	0.56 x 0.48 x 0.29 in.
AL-01-81-9900	Varien 5.5	0.56 x 0.48 x 0.29 in.
AL-01-82-9900	Varien 8	0.56 x 0.48 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 Standard Tape Light



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

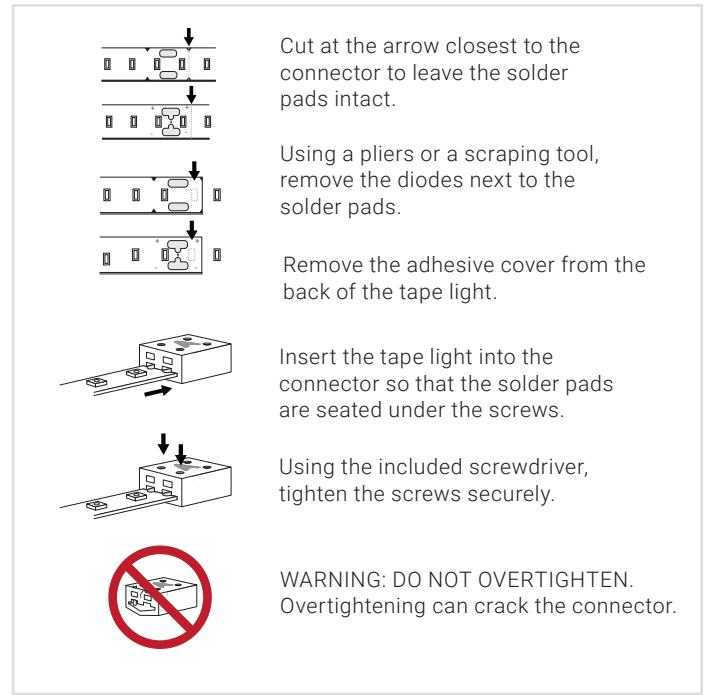
Remove the adhesive cover from the back of the tape light.

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 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.

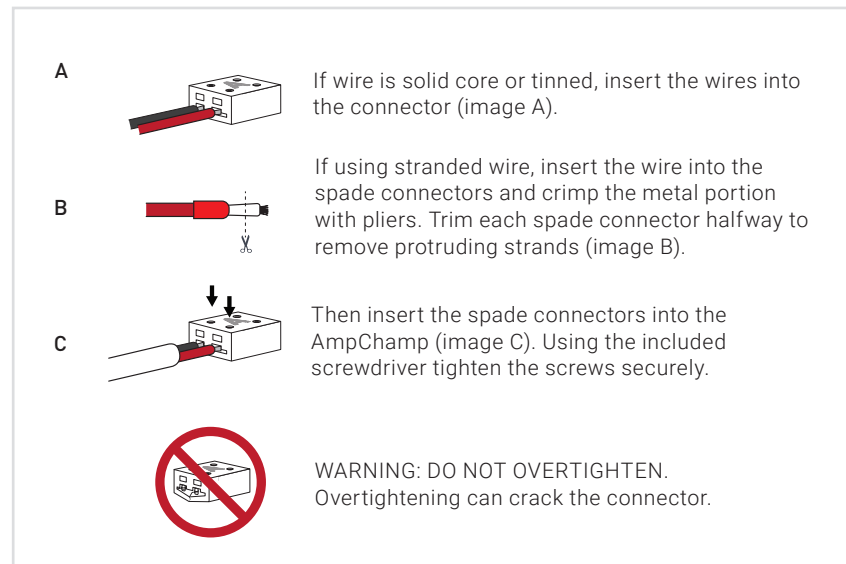
Remove the adhesive cover from the back of the tape light.

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



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

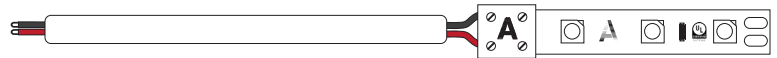
B If using stranded wire, insert the wire into the spade connectors and crimp the metal portion with pliers. Trim each spade connector halfway to remove protruding strands (image B).

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

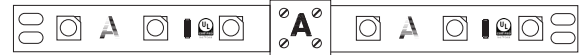
WARNING: DO NOT OVERTIGHTEN.
Overtightening can crack the connector.

CONFIGURATIONS

Tape to Hard-Wired Power Connection

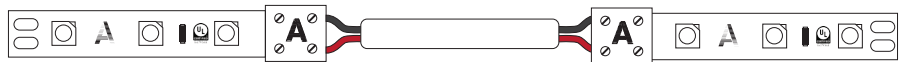


Tape-to-Tape Connection



Flexible Jumper Connection

*Two AmpChamps Required



Tape to DC Plug Connection



Wire to Wire Connection



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
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		
PrimaLine 2.7 LP	Y			Y		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		
PrimaLine 4.4 Gen 2	Y			Y		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	Y	Y
PrimaLine 5.5 LP	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PrimaLine 6.6 Gen 2	Y			Y		Y		Y	Y	Y			Y		
PrimaLine 7	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PrimaLine 8 Gen 2				Y				Y	Y	Y					
Varien 1.2 XT Dim-to-Warm	Y			Y		Y		Y	Y	Y			Y		
Varien 2.7 Dim-to-Warm	Y			Y		Y		Y	Y	Y			Y		
Varien 5.5 Dim-to-Warm	Y			Y		Y		Y	Y	Y			Y		
Varien 8 Dim-to-Warm	Y			Y		Y		Y	Y	Y			Y		

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