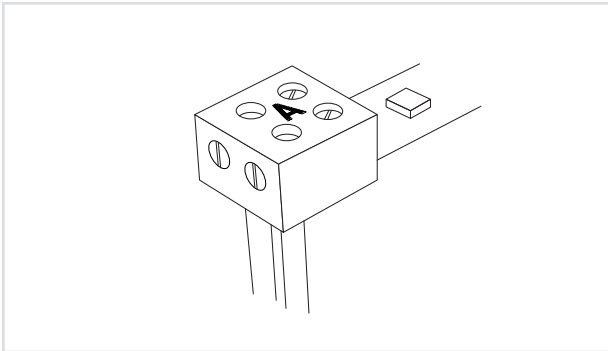


# AmpChamp™ LED Tape Light and Wire Up/Down Connector



The compact, capable, safe, and versatile AmpChamp LED tape light connector provides secure connections between LED tape light and wire leads. AmpChamp fits easily into many aluminum channels with diffusers.

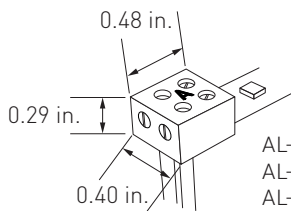


Each connector includes a mini screwdriver and one pre-installed piece of six-inch CL2 wire with tinned leads at one end.

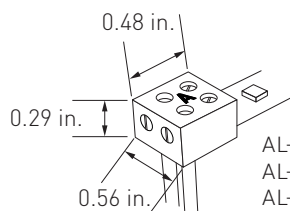
## TECHNICAL INFORMATION

<b>Voltage</b>	12-24V DC
<b>Maximum Current</b>	8A*
<b>Maximum Wire Gauge</b>	16 AWG
<b>Compatible Wire</b>	Solid core, tinned, stranded

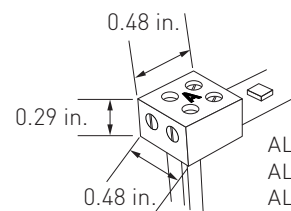
\*For Class 2 compliance, circuits are limited to 5A (12V) and 4A (24V).



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



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



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

## PRODUCT INFORMATION

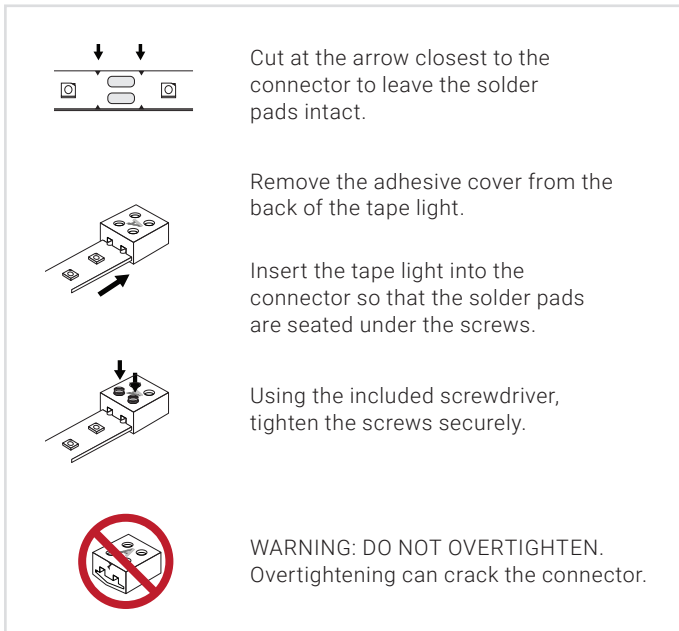
Add "-10" to the end of the item number for a 10 pack

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

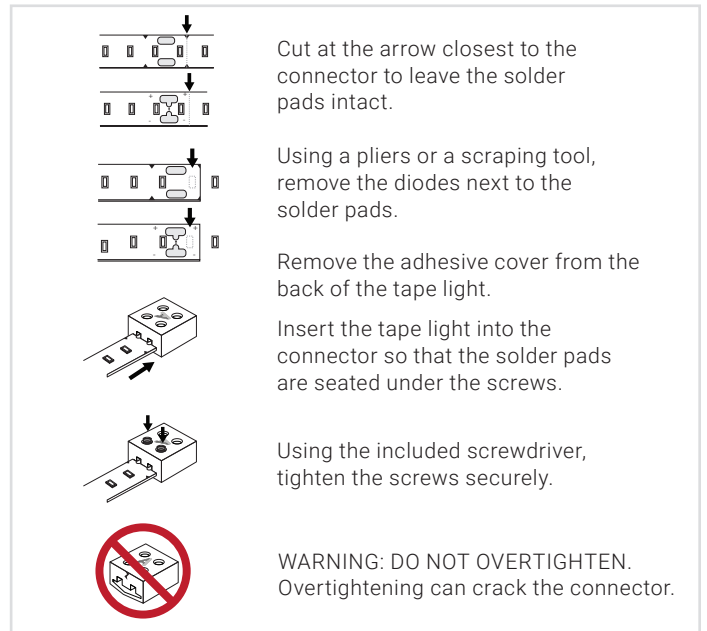
Remove the adhesive cover from the back of the tape light.

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.

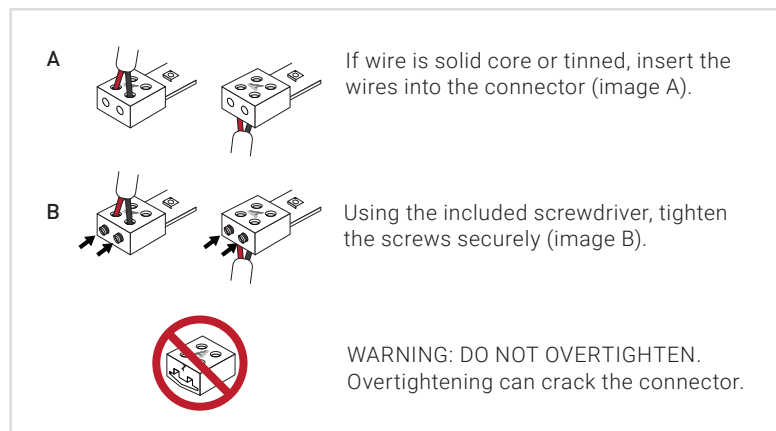
Remove the adhesive cover from the back of the tape light.

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



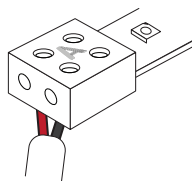
**A** If wire is solid core or tinned, insert the wires into the connector (image A).

**B** Using the included screwdriver, tighten the screws securely (image B).

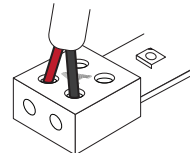
**WARNING: DO NOT OVERTIGHTEN.**  
Overtightening can crack the connector.

## CONFIGURATIONS

### Down Connection



### Up Connection

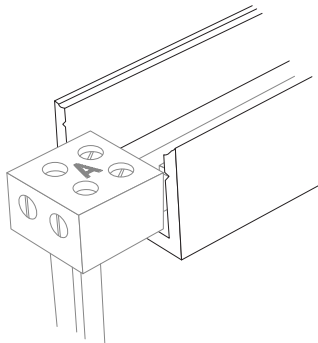


## AMPCHAMP AND CHANNEL COMPATIBILITY

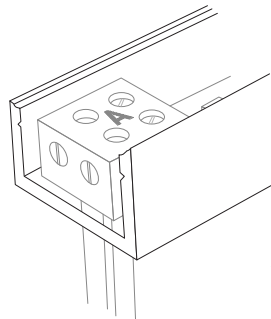
	Polymer Low-Profile Surface Mount	Surfa 1	Surfa 2	Surfa 2X	Surfa 3	Surfa 6	Surfa 7	Suspan® 1	Ankr® 1	Ankr® 2	Ankr® 3	Ankr® 4	Naro® 4	Duro 1	Duro 2
PrimaLine® 1.5	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PrimaLine 1.5 XT	Y			Y				Y	Y	Y					
PrimaLine 2.7 LP	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		
PrimaLine 3	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PrimaLine 3 XT	Y			Y				Y	Y	Y					
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		
PrimaLine 7	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y		
Varien 1.2 XT Dim-to-Warm	Y			Y				Y	Y	Y					
Varien 2.7 Dim-to-Warm	Y			Y				Y	Y	Y					
Varien 5.5 Dim-to-Warm	Y			Y				Y	Y	Y					
Varien 8 Dim-to-Warm	Y			Y				Y	Y	Y					

AmpChamp Up/Down can either be positioned outside of a channel or be positioned inside a channel. If mounting inside of a channel, be sure to pre-drill a hole for the wires to thread through. Diagram of AmpChamp Up/Down inside a channel shown below.

**Outside Channel**



**Inside Channel**



Channel with hole drilled in channel for the wires to thread through.

**AmpChamp**

0.56 x 0.48 x 0.29 in.  
0.48 x 0.48 x 0.29 in.  
0.4 x 0.48 x 0.29 in.

**Required Drill/Hole Size**

3/8 in. hole  
5/16 in. hole  
5/16 in. hole