

# Flexible Light

Part#: TBQ, TPQ, & TSQ

## INSTALLATION INSTRUCTIONS

### PARTS/TOOLS NEEDED:

			
Flexible Light	UL Recognized Power Supply (purchased separately)	Mounting Channel (purchased separately)	Power Drill (not provided)
			
Butt Splice Connectors (not provided)	#4 Flat Head Screws (not provided)	Alcohol Wipes (not provided)	Primer 94 (not provided)

### IMPORTANT SAFETY INSTRUCTIONS. READ CAREFULLY FOR YOUR PROTECTION AND SAVE ALL INSTRUCTIONS.

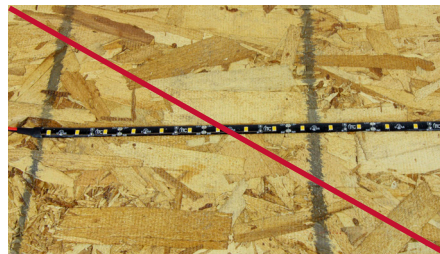
- Disconnect power before installing, adding or changing any component.
- To avoid a hazard to children, account for all parts and destroy all packing materials.
- Use only with UL approved power supply.
- The addressable flex light is NOT polarity protected. Wiring the light incorrectly could cause damage.

### INSTALLATION CONSIDERATIONS:

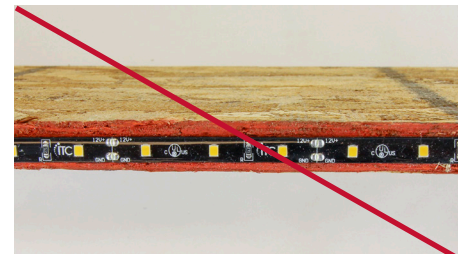
- It is recommended that fuse protection be added to the positive (+) input.
- Do not bend lighting more than necessary. It should only be bent to a 1" radius. Bending to a tight 90° angle could cause damage to the circuit.
- Only bend the LED ribbon in one natural direction, do not try to bend in an unnatural direction such as twisting.
- Make sure surfaces are smooth, clean and free of dust and debris before installing this product. Surfaces should be cleaned and primed per the 3M specified cleaning instructions\* on page two. Failure to properly clean the surface may result in loss of adhesion.
- Rough surfaces may prevent proper adhesion. If adhesion failure occurs, screw-in mounting channels may be used for installation. Contact ITC sales for more information on mounting channels: 616-396-1355 / sales@itc-us.com.



**DO NOT TWIST**



**DO NOT INSTALL ON ROUGH PLY-WOOD**  
Recommend use of mounting channel  
TPB-1 or TPB-2



**DO NOT INSTALL ON A ROUGH EDGE**  
Recommend use of mounting channel  
TPB-1 or TPB-2

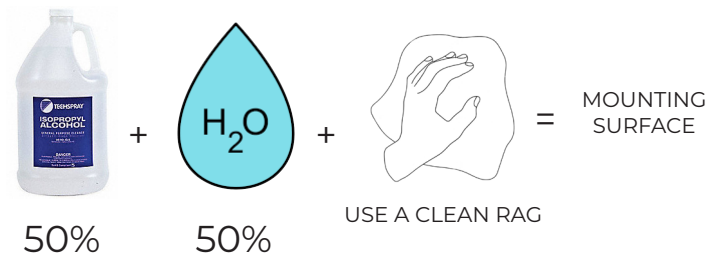


3030 Corporate Grove Dr.  
Hudsonville, MI 49426  
Phone: 616.396.1355  
[itc-us.com](http://itc-us.com)

For warranty information please visit [www.itc-us.com/warranty-return-policy](http://www.itc-us.com/warranty-return-policy)  
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**1. Clean surface with a mixture of 50% water/50% isopropyl alcohol.**

Let surface dry.



**2. Apply Primer 94 as recommended by 3M.**

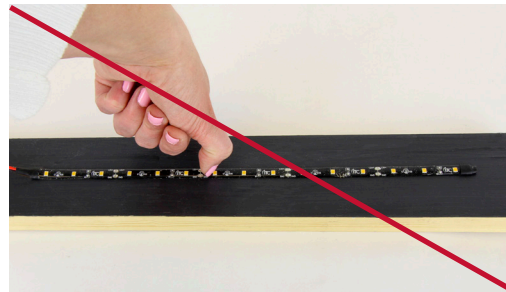
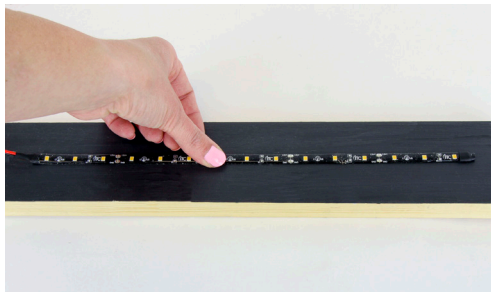
Failure to follow the surface preparation guidelines will void the warranty.



\*[http://www.3m.com/3M/en\\_US/bonding-and-assembly-us/resources/full-story/?storyid=b3996cbd-9954-455f-8e72-88e452ca38c0](http://www.3m.com/3M/en_US/bonding-and-assembly-us/resources/full-story/?storyid=b3996cbd-9954-455f-8e72-88e452ca38c0)

**3. Remove paper backing and firmly press light in place.**

**DO NOT** slide or drag thumb along tape light or the silicone may be pulled off.

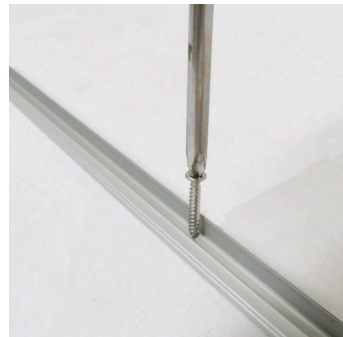


**4. If using mounting channels for installation, they are available in screw or adhesive mount. Install per your desired method.**

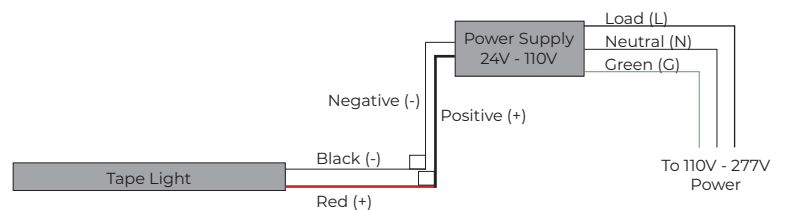
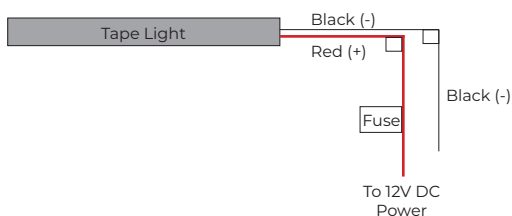
**Screw Mount Channel:** Screws should be used every 12".

**Adhesive Mount Channel:** Follow the same cleaning instructions above and remove paper backing from channel and press in place.

**Both Channels:** Remove the paper backing from the light and press the light into the channel.



**5. Wire the light based on the wiring diagrams below.**

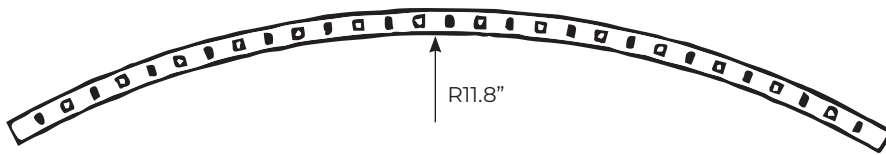


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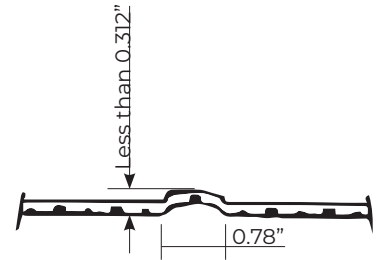
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6. Please review the considerations below to ensure a successful installation.

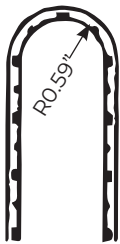
**\*Flexible light cannot be field cut. Field cutting the light will void the warranty.**



Do not horizontal bend to a radius of less than 11.8"



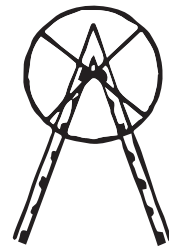
Do not axial bend to the height of more than 0.312" within 0.78" segment



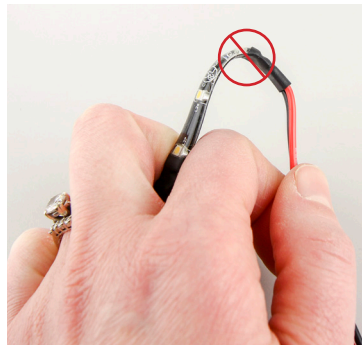
Do not bend to a radius of less than 1/2"



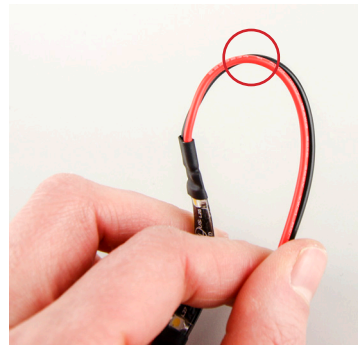
Do not twist more than 90° over the length of one 24V segment / Two 12V segments (4" total length)



Do not bend flexible light at 90°



Do not bend right at solder joint



Only bend the wire

