

**its**  
**TEQ**  
**Diffused**  
**Flexible**  
**Light**



## its TEQ Diffused Flexible Light Installation Guide

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**its**

### its TEQ Diffused Flexible Light



### Specifications

- **Part Numbers:** TEQ, TBQ, TPB, TPC, TPD, TPE, TPQ, TSB, TSQ, RBLL, RELL, RHLL & RSLL
- **Power Supply:** UL Recognized (purchased separately)
- **Mounting Channel:** Purchased separately

## FAQs

- **Q: Can I field-cut the flexible light?**
  - **A:** No, field-cutting the light will void the warranty.
- **Q: What should I use to clean the surface before installation?**
  - **A:** Clean the surface with a mixture of 50% water/50% isopropyl alcohol and let it dry.
- **Q: Can I install the flexible light on rough plywood or edges?**
  - **A:** It is recommended to use mounting channels TPB-1 or TPB-2 instead of installing on rough surfaces.

## PARTS TOOLS NEEDED

**Part#:** TEQ, TBQ, TPB, TPC, TPD, TPE, TPQ, TSB, TSQ, RBLL, RELL, RHLL & RSL

			
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

- 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 a 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 it 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

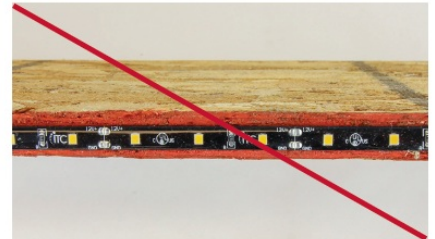
used for installation. Contact ITC sales for more information on mounting channels: [616-396-1355](tel:616-396-1355) / [sales@itc-us.com](mailto:sales@itc-us.com).



**DO NOT TWIST**



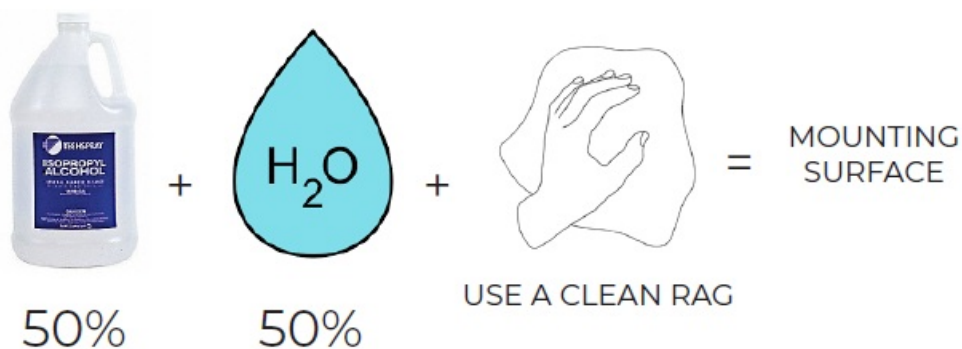
**DO NOT INSTALL ON ROUGH PLY-WOOD**  
Recommend use of mounting channel  
TPB-1 or TPB-2



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

## INSTALLATION INSTRUCTIONS

1. Clean the surface with a mixture of 50% water/50% isopropyl alcohol. Let the surface dry.

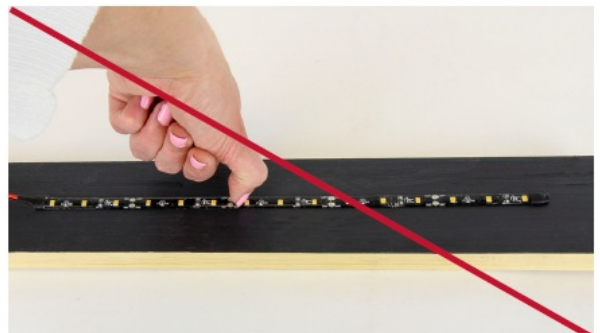
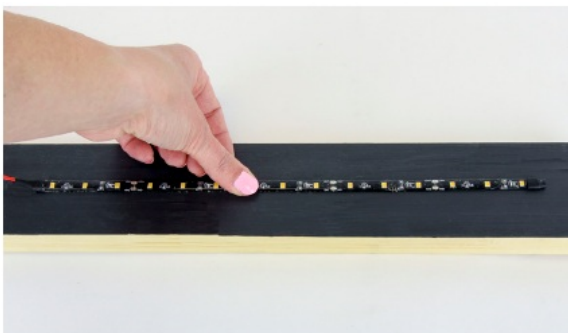


2. Apply Primer 94 as recommended by 3M. Failure to follow the surface preparation guidelines will void the warranty.



- [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).

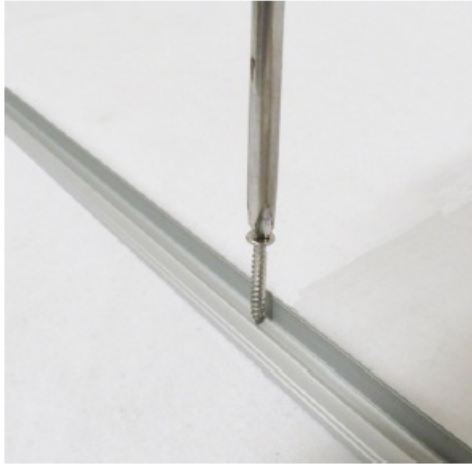
3. Remove the paper backing and firmly press the light in place. DO NOT slide or drag your thumb along the tape light or the silicone may be pulled off.



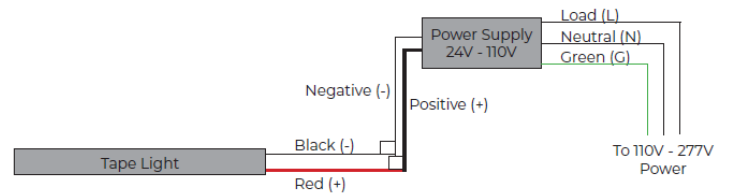
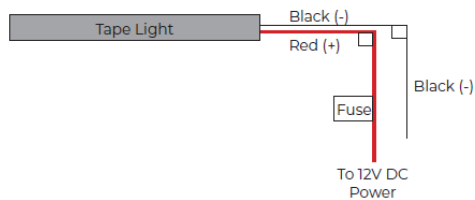
4. If using mounting channels for installation, they are available in screw or adhesive mount. Install per your

desired method.

- **Screw Mount Channel:** Screws should be used every 12".
- **Adhesive Mount Channel:** Follow the same cleaning instructions above remove paper backing from the channel and press in place.
- **Both Channels:** Remove the paper backing from the light and press the light into the channel.

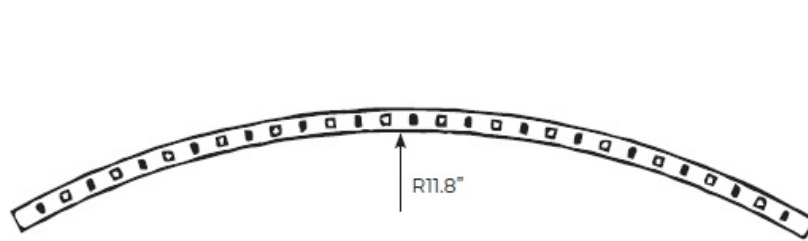


5. Wire the light based on the wiring diagrams below.

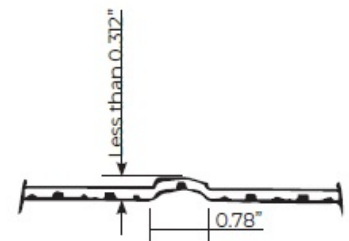


6. Please review the considerations below to ensure a successful installation.

- 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



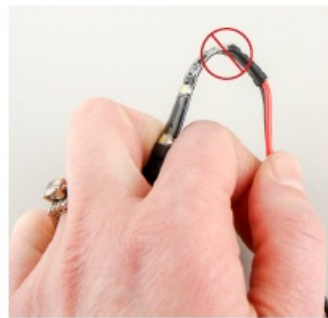
Do not bend to a radius of less than 1/2"



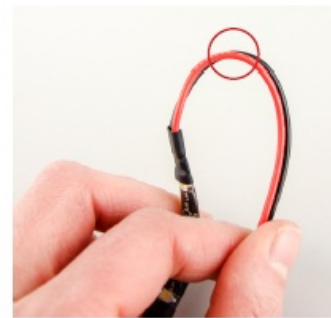
Do not twist more than 90° over the length of one 24V segment / Two 12V segments (4" total length)



Do not bend flexible light at 90°



Do not bend right at solder joint



Only bend the wire

## CONTACT INFORMATION

- 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)
- **DOC #:** 710-00127
- Rev H 06/03/24

## Documents / Resources

	<p><a href="#">its TEQ Diffused Flexible Light</a> [pdf] Installation Guide TEQ Diffused Flexible Light, TEQ, Diffused Flexible Light, Flexible Light, Light</p>
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## References

-  [Register a .US.COM domain today!](#)
-  [Surface Preparation for 3M™ VHB™ Tape Applications](#)
-  [ITC Warranty & Return Policy](#)
- [User Manual](#)

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