



# TRAN LED LINEAR LED Strip Instruction Manual

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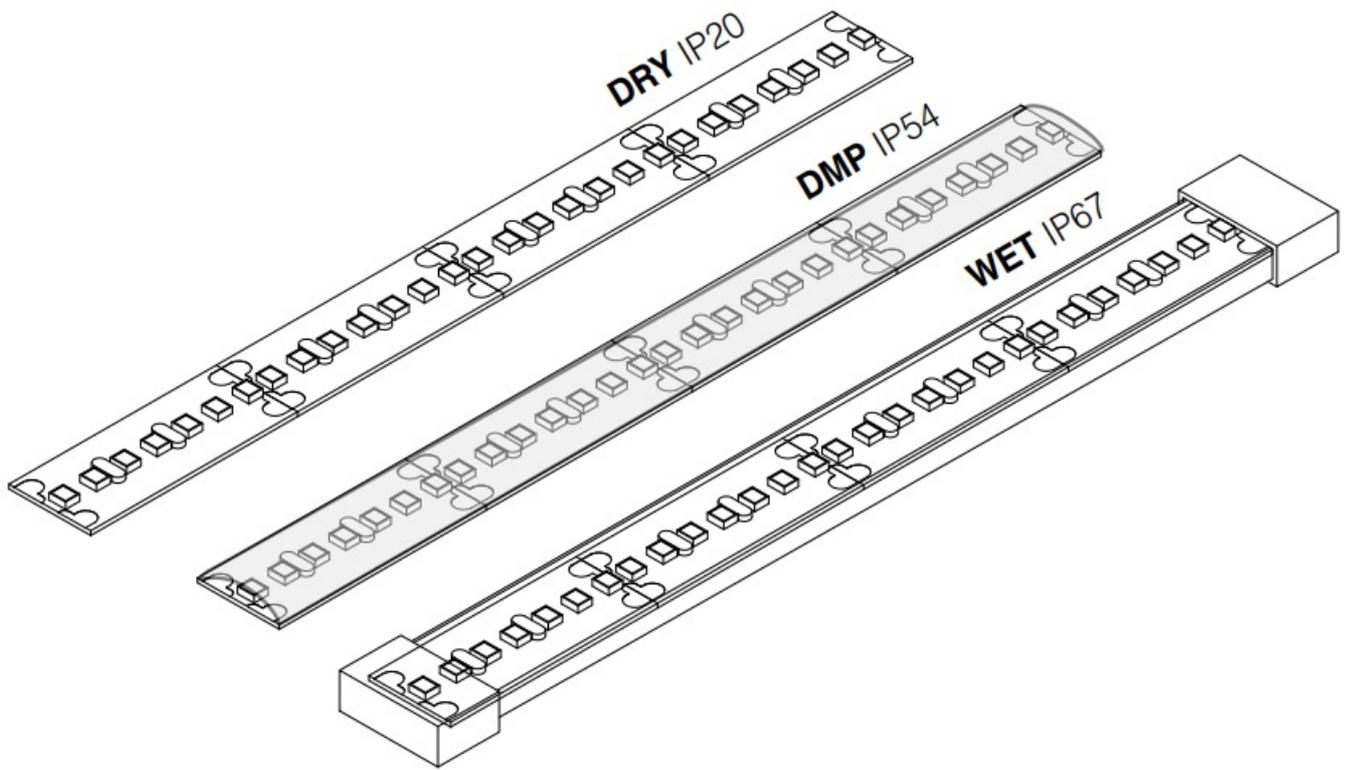
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**INSTALLATION INSTRUCTIONS**

**LINEAR LED STRIP**



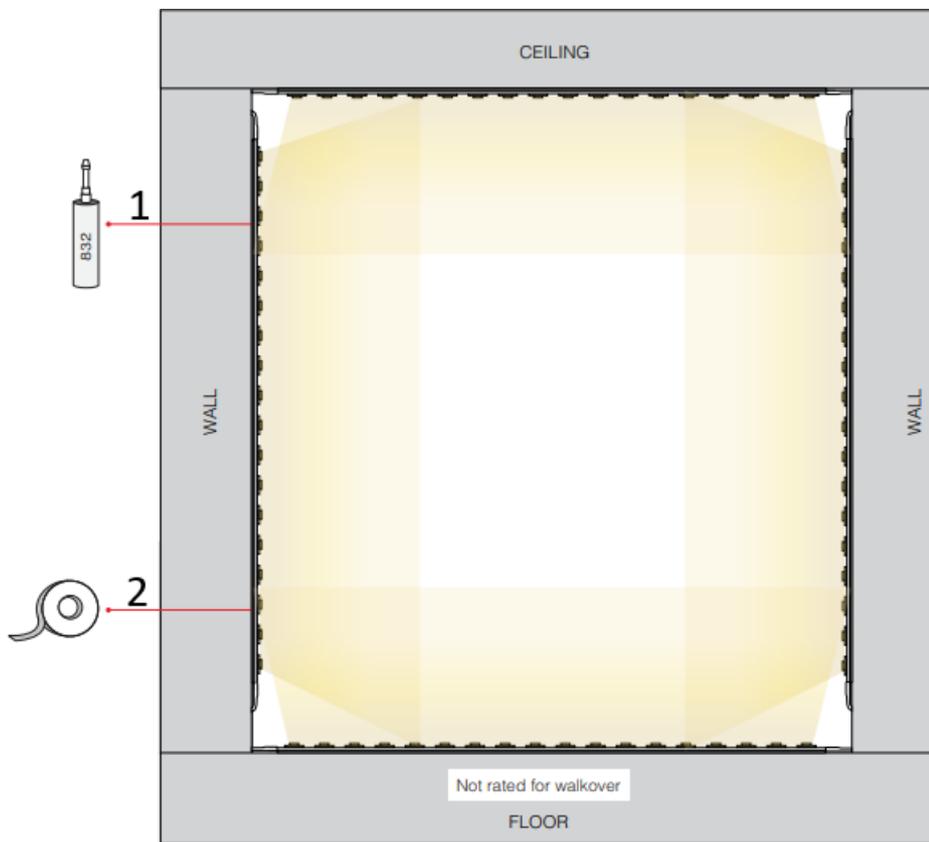


**ATTENTION: Please read all instructions BEFORE installation**

- Product to be installed by a licensed electrician
- Always ensure power supply connection electrical circuit is disconnected before working on it.
- Follow diagram to connect Secondary Voltage wires to power supply. Refer to Q-Tran power supply instructions for wiring the Primary Voltage side.
- Use only with Class 2 power supply unit — Compatible for use with Q-Tran power supplies
- Suitable for DRY, DAMP, and WET locations
- Suitable for installation in storage area of a clothes closet when assembled as a finished extrusion up to 4W/ft at Q-Tran facility
- Temp Rating: Refer to cut sheet
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

**METHODS OF INSTALLATION:**

**Adhesive Mount**



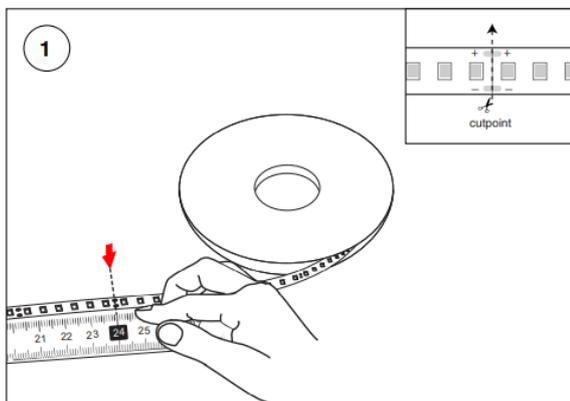
1. Silicone Sold separately
2. VHB Tape Included on the backside of strip

**NOTES:**

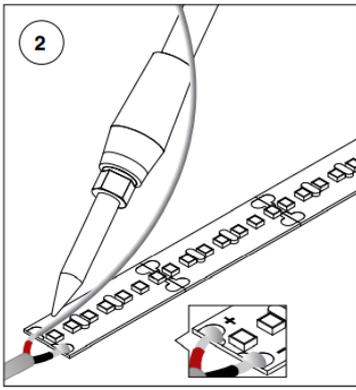
- Avoid bending in sharp horizontal angles which may damage the LED.
- Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.
- Diagrams for representation only and not to scale.



**LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: DRY IP20**  
**If LED wires are pre-soldered from the factory.**



Measure and cut LED strip to desired length with scissors along the cut point.



**ITEMS INCLUDES**

iQ-LED-24-KIT

- (1) 24" Lead wire
- (1) 6" Solder
- (1) 1" Shrink Tube
- (1) 1/2" Shrink Tube

iQ-JUMP-6-KIT

- (1) 6" Lead wire
- (1) 6" Solder
- (2) 1" Shrink Tube
- (2) 1/2" Shrink Tube

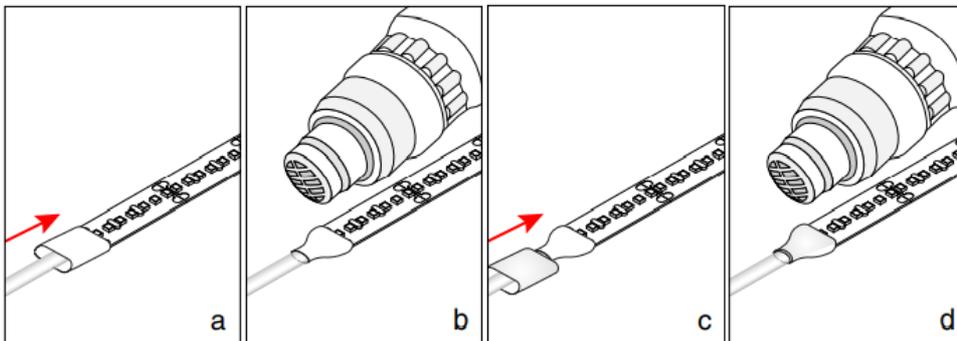
Solder lead wire onto solder pad. Confirm positive (+) and negative (-) are matched up correctly before soldering. BLACK wire is typically negative, RED wire is typically positive.

**NOTE:** Recommended soldering iron temperature of 650°-700°F for lead-free solder.

(3)

**NOTE:**

Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure **before** proceeding with step #3.



**ONCE ALL CONNECTIONS ARE FUNCTIONING PROPERLY, DISCONNECT POWER AND BEGIN HEAT SHRINKING INSTRUCTIONS BELOW:**

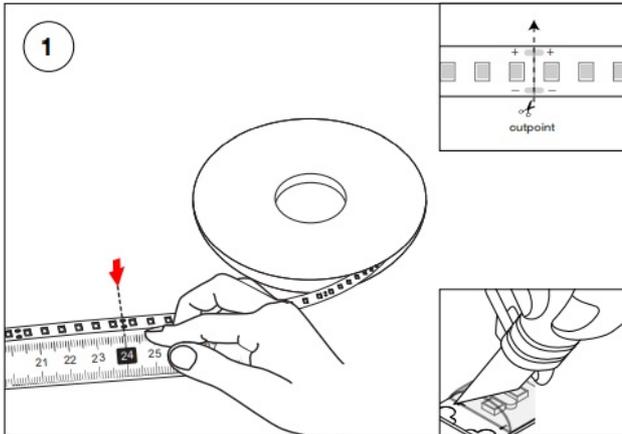
- a:** Place 1<sup>st</sup> sleeve (1/2" Shrink Tube ) on lead wire.
- b:** Shrink the tube with heat gun.
- c:** Place 2<sup>nd</sup> sleeve (1" Shrink Tube ) on lead wire.
- d:** Shrink the tube with heat gun.

**NOTES:**

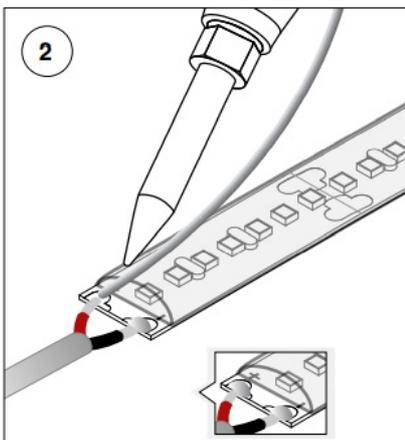
- Avoid bending in sharp horizontal angles which may damage the LED.
- Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.
- Diagrams for representation only and not to scale.



**LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: DMP IP54**  
**If LED wires are pre-soldered from the factory.**



- Measure and cut LED strip to desired length with scissors along the cut point.
- Carefully peel polyurethane back to expose the solder pads.



Once a damp strip is cut, it cannot be reconnected.

**ITEMS INCLUDES**

iQ-LED-24-KIT

- (1) 24" Lead wire
- (1) 6" Solder
- (1) 1" Shrink Tube
- (1) 1/2" Shrink Tube

iQ-JUMP-6-KIT

- (1) 6" Lead wire
- (1) 6" Solder
- (2) 1" Shrink Tube
- (2) 1/2" Shrink Tube

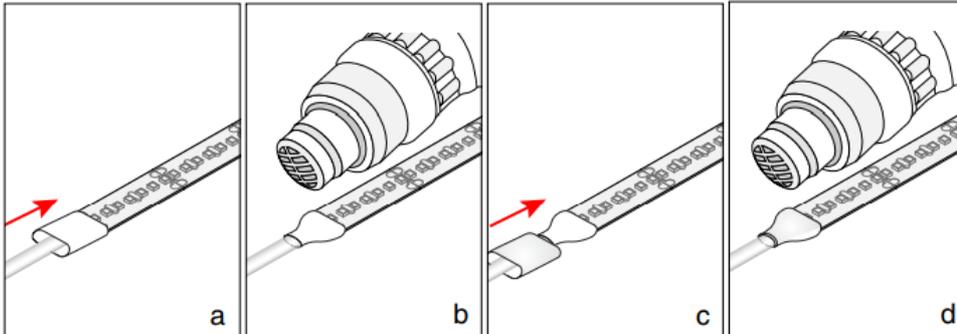
Solder lead wire onto solder pad. Confirm positive (+) and negative (-) are matched up correctly before soldering. BLACK wire is typically negative, RED wire is typically positive.

**NOTE:** Recommended soldering iron temperature of 650° - 700°F for lead-free solder.

(3)

**NOTE:**

Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure **before** proceeding with step #3.



**ONCE ALL CONNECTIONS ARE FUNCTIONING PROPERLY, DISCONNECT POWER AND BEGIN HEAT SHRINKING INSTRUCTIONS BELOW:**

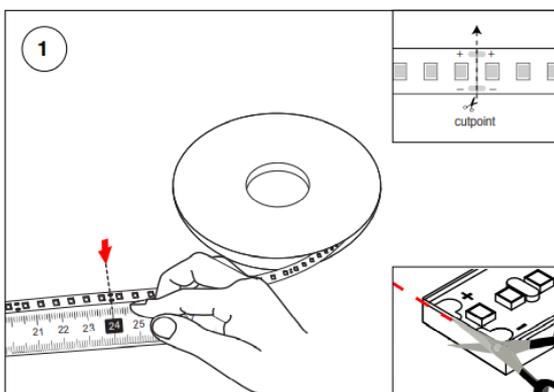
- a: Place 1<sup>st</sup> sleeve (1/2" Shrink Tube ) on lead wire.
- b: Shrink the tube with heat gun.
- c: Place 2<sup>nd</sup> sleeve (1" Shrink Tube ) on lead wire.
- d: Shrink the tube with heat gun.

**NOTES:**

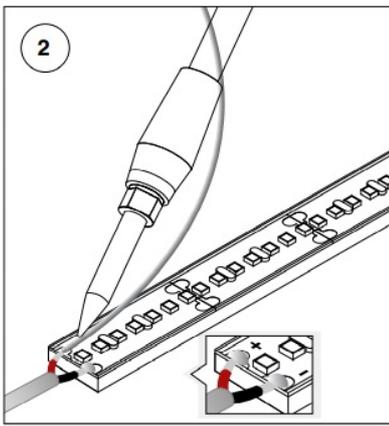
- Avoid bending in sharp horizontal angles which may damage the LED.
- Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.
- Diagrams for representation only and not to scale.



**LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: WET IP67**  
**If LED wires are pre-soldered from the factory.**



Measure and cut LED strip to desired length with scissors along the cut point.



Once a wet strip is cut, it cannot be reconnected.

### ITEMS INCLUDES

iQ-LED-67-KIT

(1) 24" Lead wire

(1) 6" Solder

(1) Lead wire cap

(1) End Cap

iQ-JUMP-67-KIT

(1) 6" Lead wire

(1) 6" Solder

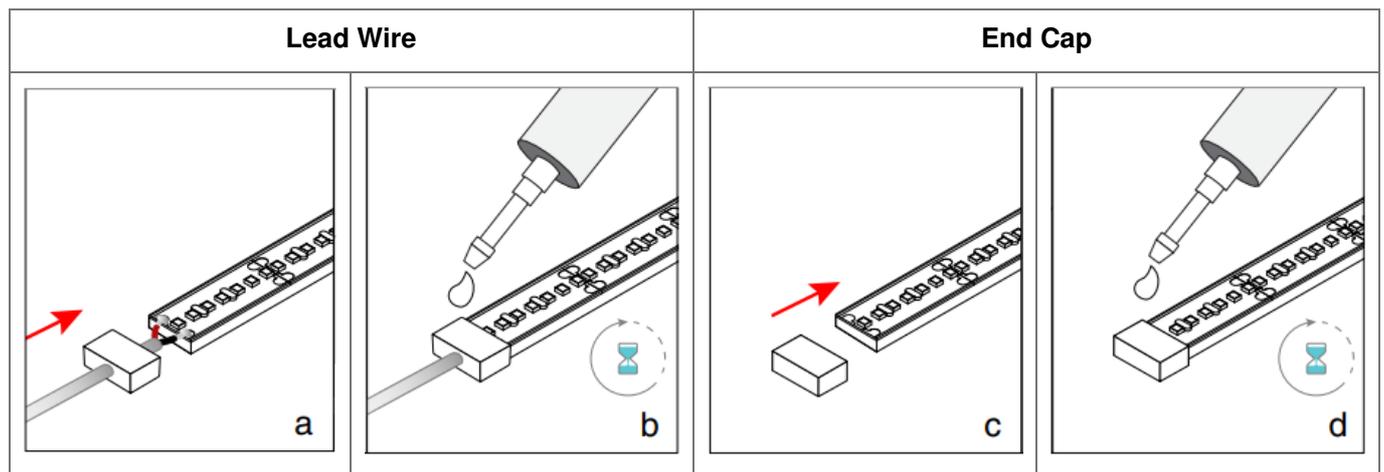
(2) Lead wire Caps

Solder lead wire onto solder pad. Confirm positive (+) and negative (-) are matched up correctly before soldering. BLACK wire is typically negative, RED wire is typically positive.

**NOTE:** Recommended soldering iron temperature of 650°-700°F for lead-free solder.

### NOTE:

Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure **before** proceeding with step #3.



**ONCE ALL CONNECTIONS ARE FUNCTIONING PROPERLY, DISCONNECT POWER AND BEGIN HEAT SHRINKING INSTRUCTIONS BELOW:**

**a:** Place lead wire cap over wire

**b:** Add silicone inside connector and glue around the edge to secure gap

**c:** Place end cap over the end of LED

**d:** Add glue around the edge of the end cap; allow time for glue to dry

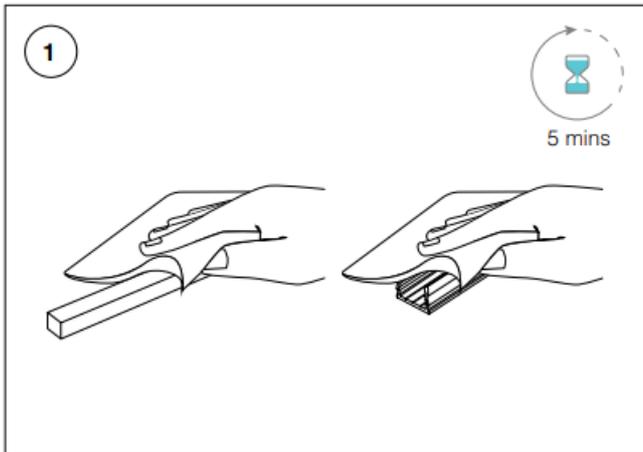
## NOTES:

- Avoid bending in sharp horizontal angles which may damage the LED.
- Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.
- Diagrams for representation only and not to scale.

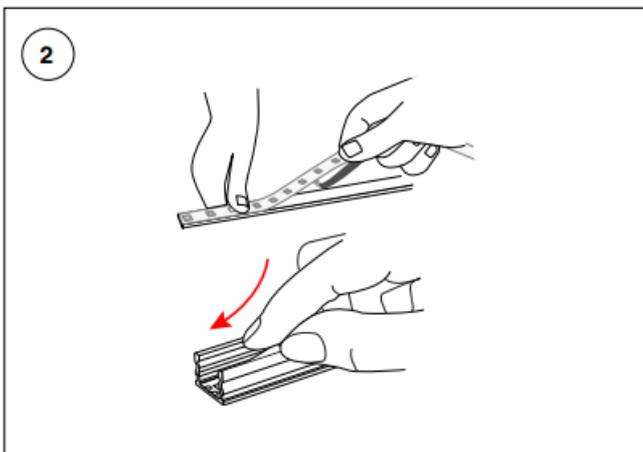


## LED INSERTION FOR IN-FIELD ASSEMBLY INSTALLATION

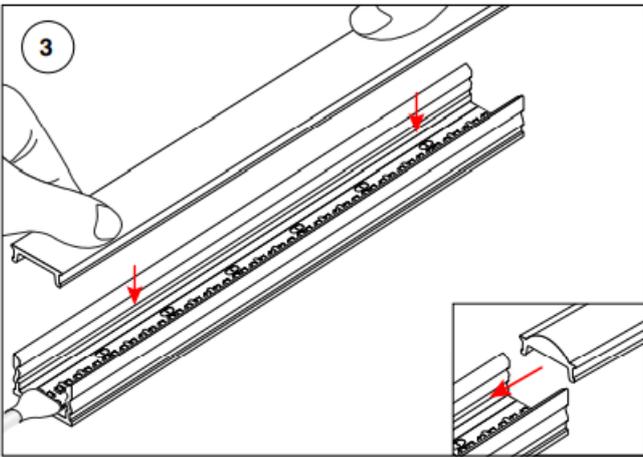
### STRIP IN EXTRUSION



Using a 50/50 alcohol mix thoroughly clean, the surface of the extrusion and the multi-tray surface. Allow time to dry (about 5 minutes).

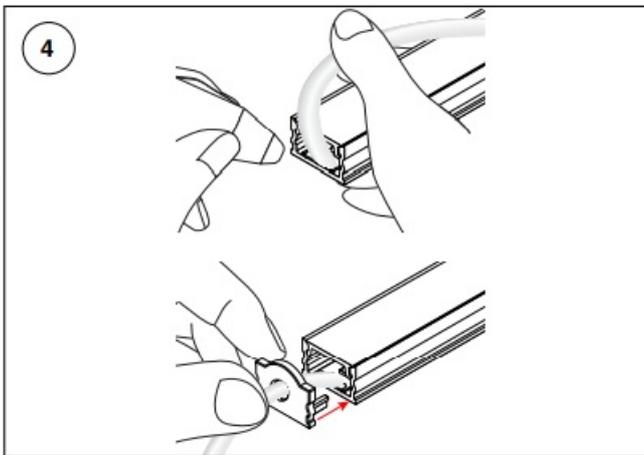


Peel back 0.5" of the VHB tape's protective film on one end of LED and use firm pressure to adhere it to the desired surface, avoiding air bubbles. Continue peeling the film and adhering the strip in small sections until the entire length is installed.



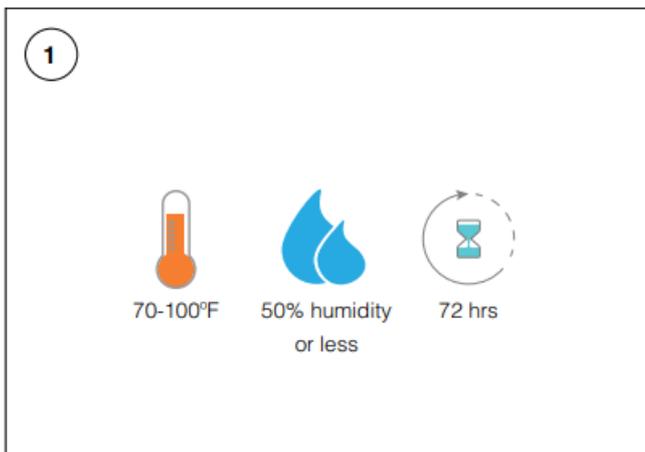
**Flat Lenses:** Apply uniform pressure until the extrusion and lens snap securely together.

**Optical Lenses:** Starting from one end of the extrusion, slide the lens into the grooved lip of the extrusion until secured in place.



Add glue inside the end cap and glue around edges to secure end cap in place. Do not allow glue to come in contact with LED.

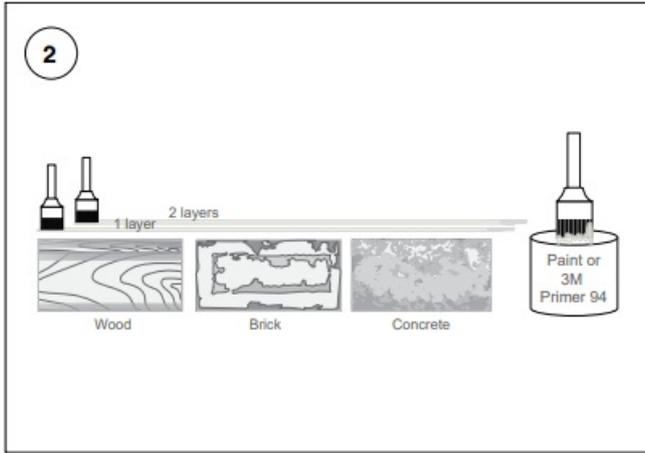
#### SURFACE MOUNTING METHOD: **VHB ADHESIVE MOUNT** SURFACE PREPARATION



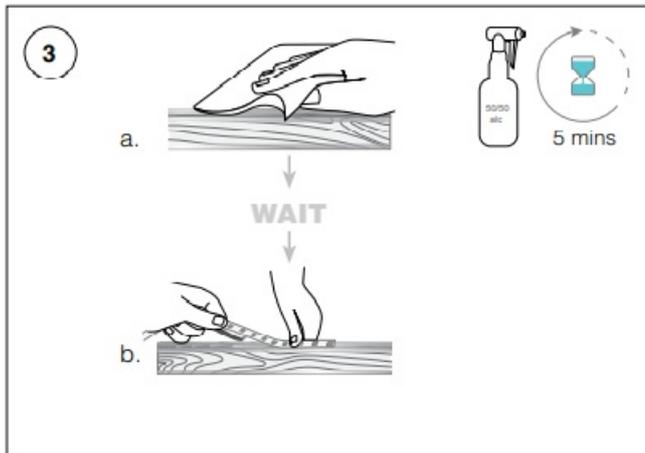
Temperature and environmental concerns:

- Ideal application environment is 70-100°F in 50% humidity or less.

- Minimum application temperature: 50°F
- This temperature and humidity should be maintained for 72 hours after application for maximum bonding.



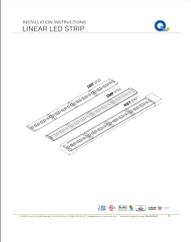
For porous materials (Wood, Brick, Concrete etc.) apply two layers of paint or primer to the surface. This will help create a better bonding surface for these materials. These can be purchased from a local hardware store.



- Using a 50/50 alcohol mix, thoroughly clean surface area where LED will be installed. Allow 5 minutes to dry.
- Peel back 0.5" of the VHB tape's protective film on one end of LED and use firm pressure to adhere it to the desired surface, avoiding air bubbles. Continue peeling the film and adhering the strip in small sections until the entire length is installed.

MATERIALS	SUGGESTED EPOXIES
Concrete, Stone, Cinderblock, Metal and Brick	Loctite Metal and Concrete Two-Part Epoxy
ABS, Fiberglass, Plastic and PVC	Loctite Plastic Two-Part Epoxy
Tile, Wood, Ceramic, Glass, or Metal	Loctite Clear Two-Part Epoxy
All Purpose	Strong Stik

## Documents / Resources

	<p><a href="#">TRAN LED LINEAR LED Strip</a> [pdf] Instruction Manual LINEAR LED Strip, LINEAR Strip, LED Strip, Strip, DRY IP20, DMP IP54, WET IP67</p>
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## References

- [RealNames | A more meaningful email address](#)
- [LED Lighting Systems, Linear LED Lights, LED transformers | Q-Tran](#)

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