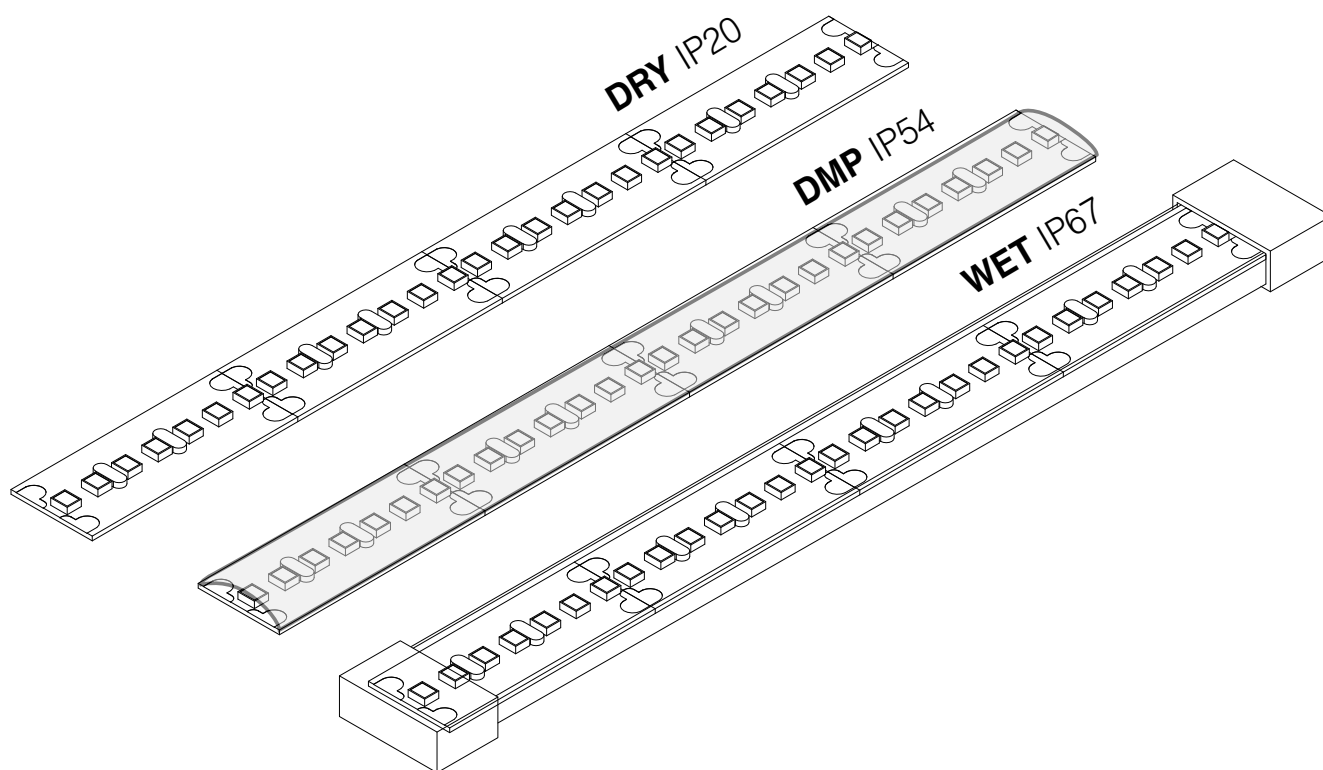


INSTALLATION INSTRUCTIONS

LINEAR LED STRIP



INSTALLATION INSTRUCTIONS

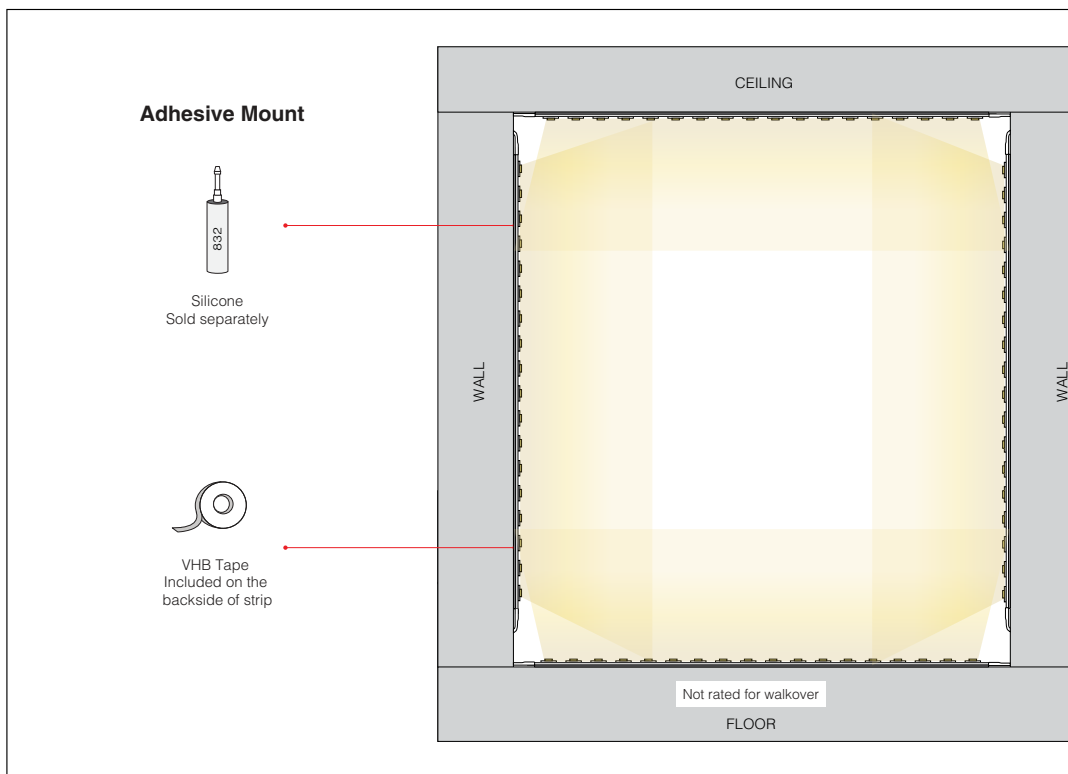
LINEAR LED STRIP



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:



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.



METHODS &
INSTALLATIONS

LEDs SOLDERED

ASSEMBLY

SURFACE PREPARATION

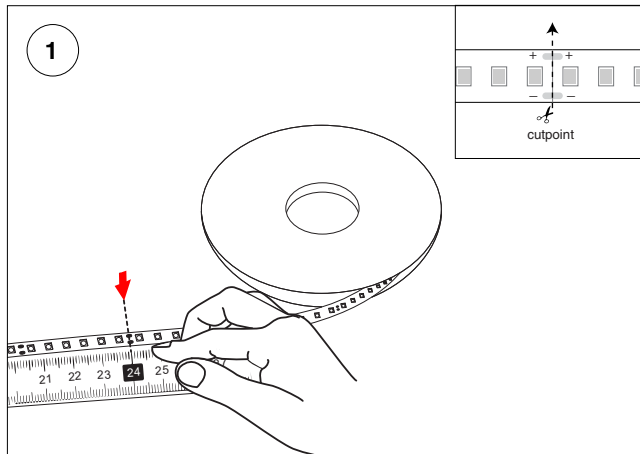
INSTALLATION INSTRUCTIONS

LINEAR LED STRIP

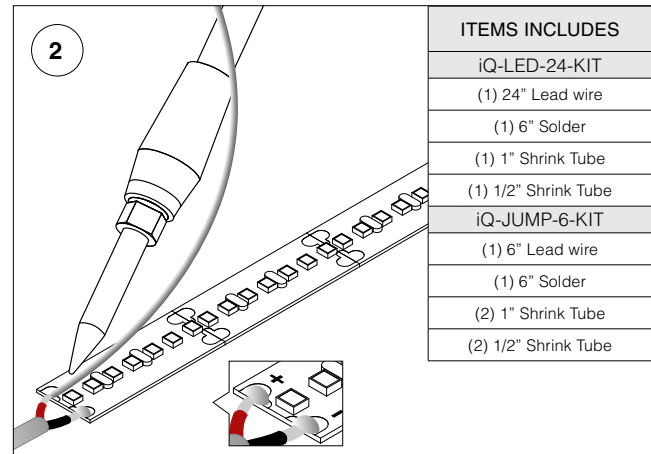


LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: DRY IP20

If LED wires are pre-soldered from the factory, skip to [page 6](#).



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

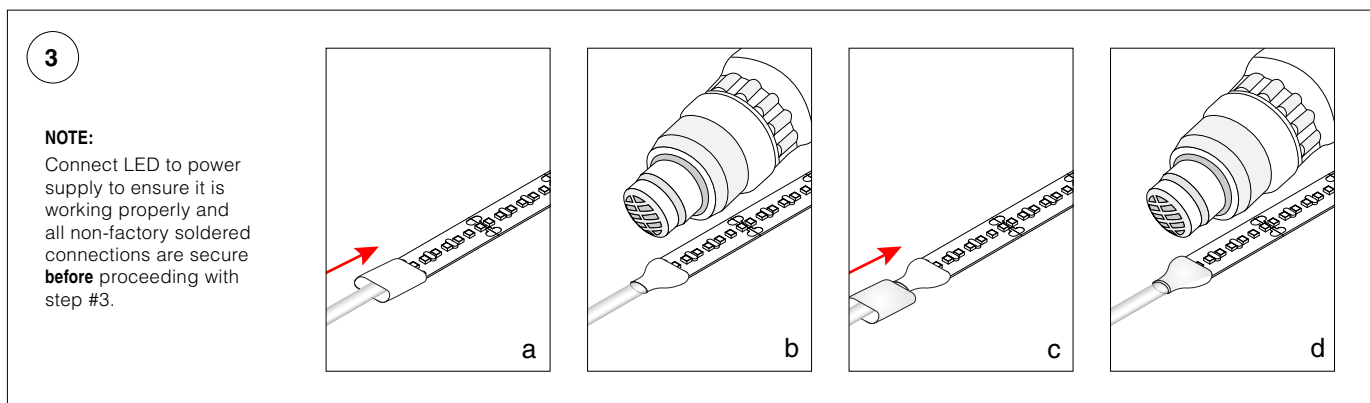
(1) 6" Solder

(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.



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 1st sleeve (1/2" Shrink Tube) on lead wire.

b: Shrink the tube with heat gun.

c: Place 2nd 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.



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LISTED

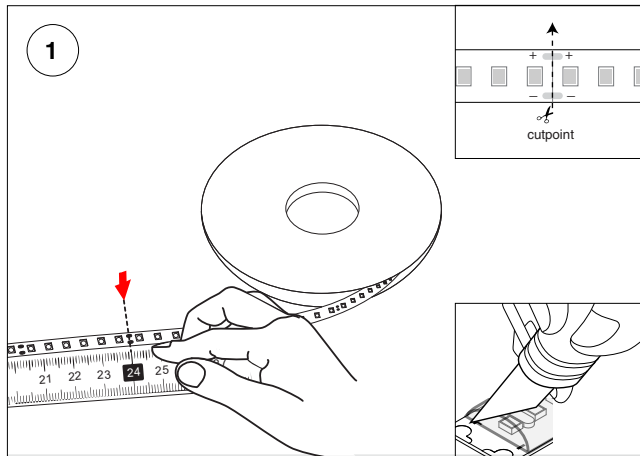
INSTALLATION INSTRUCTIONS

LINEAR LED STRIP

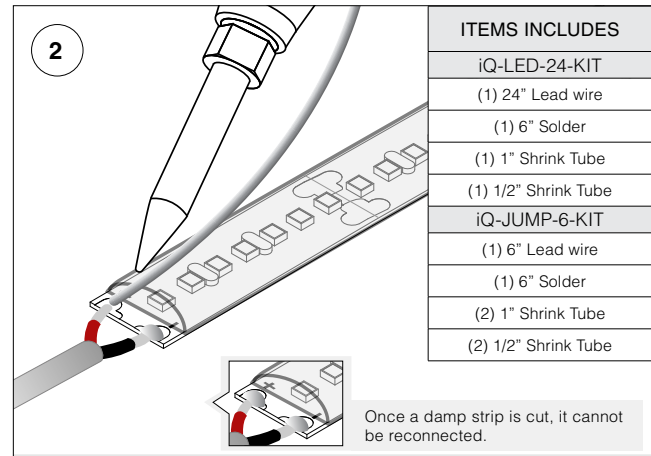


LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: DMP IP54

If LED wires are pre-soldered from the factory, skip to [page 6](#).



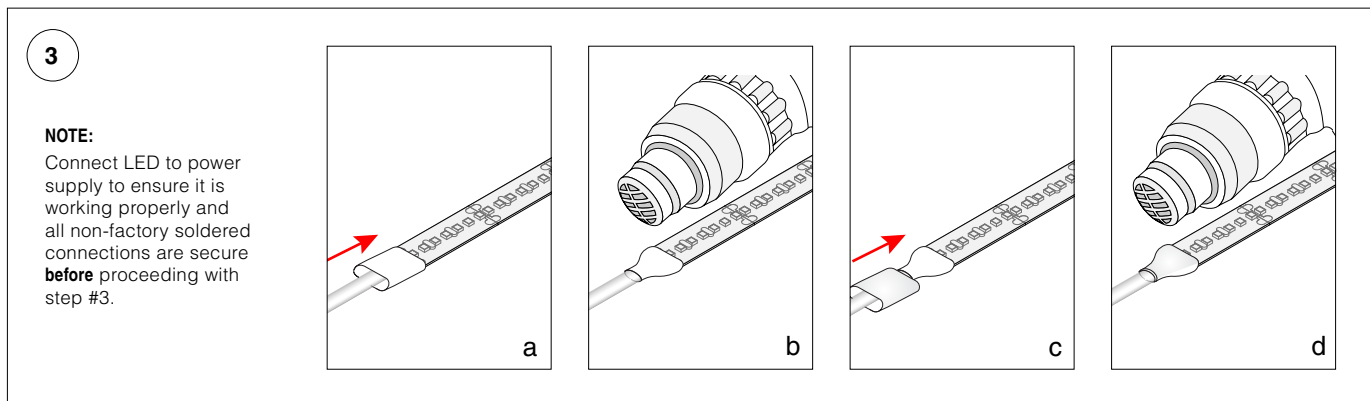
- Measure and cut LED strip to desired length with scissors along the cut point.
- Carefully peel polyurethane back to expose the solder pads.



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

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 1st sleeve (1/2" Shrink Tube) on lead wire.
b: Shrink the tube with heat gun.

- c: Place 2nd 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.



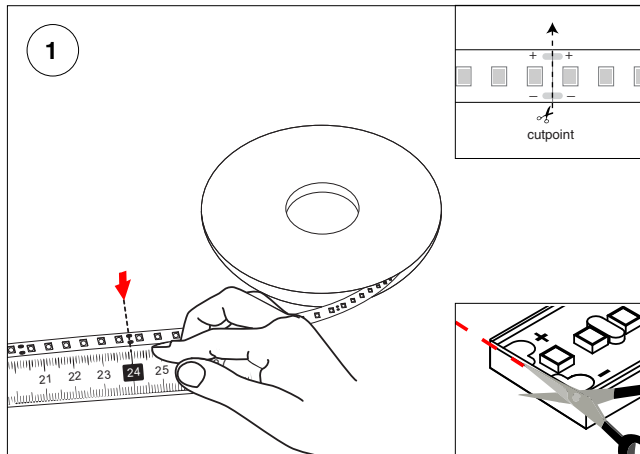
INSTALLATION INSTRUCTIONS

LINEAR LED STRIP

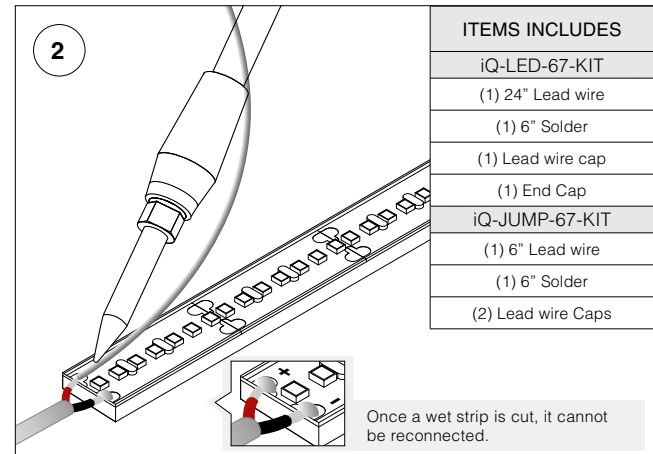


LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: WET IP67

If LED wires are pre-soldered from the factory, skip to [page 6](#).



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



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

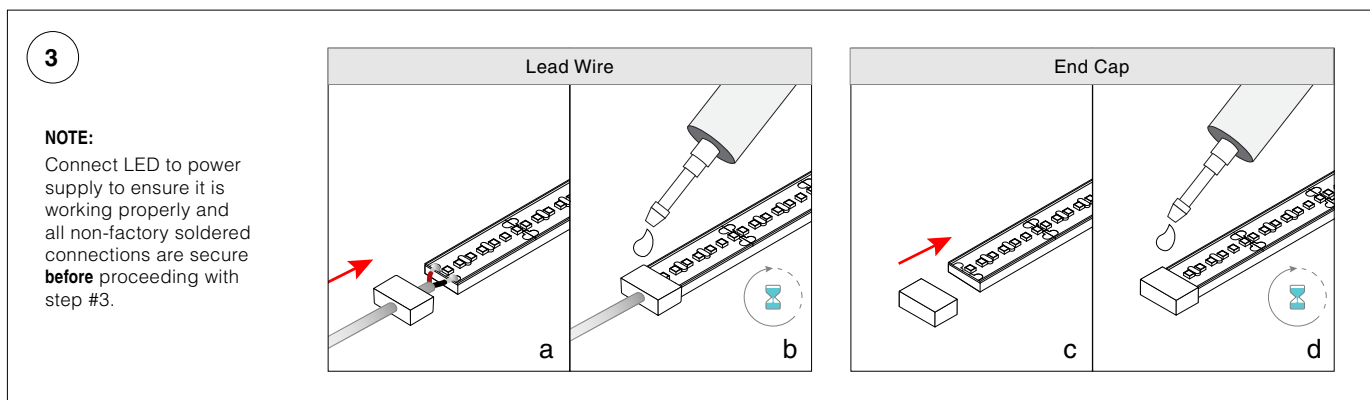
(1) 6" Solder

(2) Lead wire Caps

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

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.



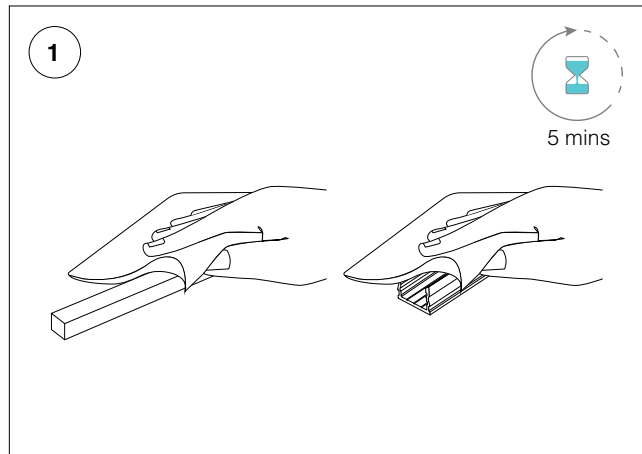
INSTALLATION INSTRUCTIONS

LINEAR LED STRIP

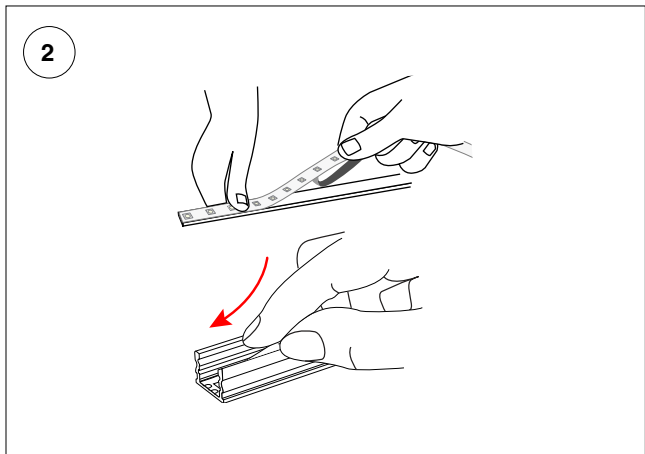


LED INSERTION FOR IN-FIELD ASSEMBLY INSTALLATION

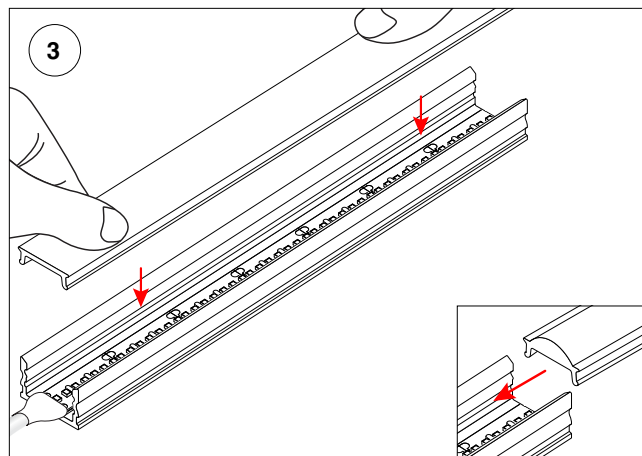
STRIP IN EXTRUSION



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).

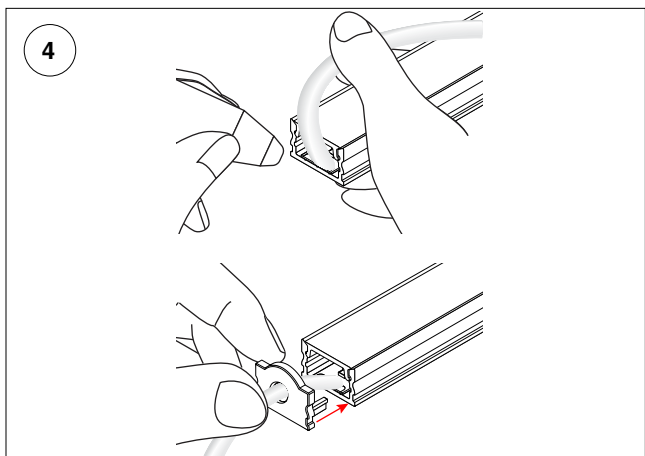


Peel back 0.5" of the VHB tape's protective film on one end of LED and use firm pressure to adhere it to the desired surface, avoiding air bubbles. Continue peeling the film and adhering the strip in small sections until the entire length is installed.



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.

METHODS &
INSTALLATIONS

LEDs SOLDERED

ASSEMBLY

SURFACE PREPARATION

INSTALLATION INSTRUCTIONS


LINEAR LED STRIP




SURFACE MOUNTING METHOD: **VHB ADHESIVE MOUNT**

SURFACE PREPARATION


1



70-100°F



50% humidity
or less

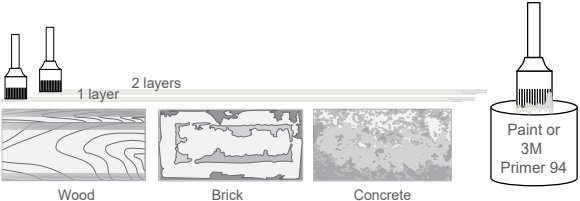


72 hrs

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.

2

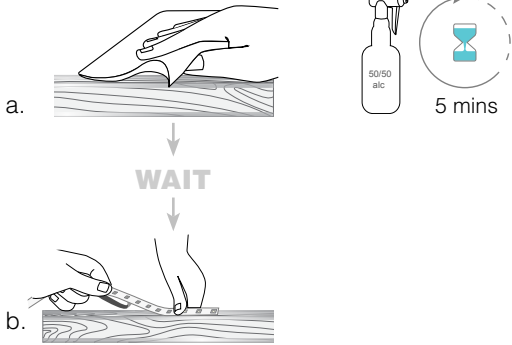



Wood Brick Concrete

Paint or 3M Primer 94

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.

3



a.  5 mins

WAIT

b.

a. Using a 50/50 alcohol mix, thoroughly clean surface area where LED will be installed. Allow 5 minutes to dry.

b. 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