

Please verify the contents of the packages!

Please read instructions entirely before starting installation.

Be sure power is turned off before installing or modifying the system.

Call Tivoli, LLC tech support with questions.

Caution: Fiberstep™ Continuous is designed to work with listed Class 2 12V DC transformers only. Use of any other power source will cause damage, shorten the life of the fixture and void the warranty.

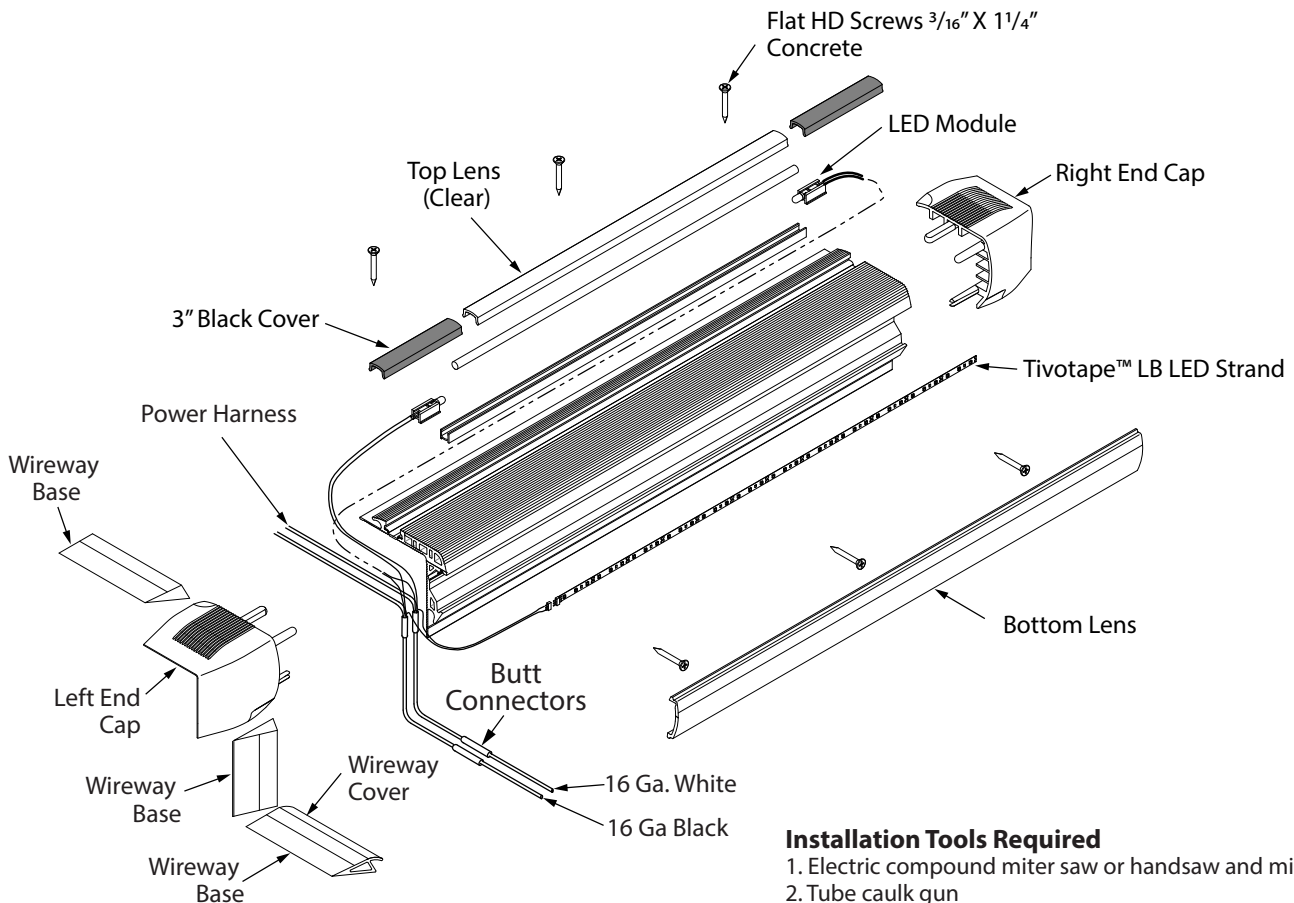
Consult any and all applicable local and national codes for installation.

Do not conceal or extend exposed conductors through a building wall as per local electrical code.

Warning: With any luminaire for any application, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries. This lighting system should be installed by a certified professional.



Installation Instructions



Installation Tools Required

1. Electric compound miter saw or handsaw and miter box
2. Tube caulk gun
3. Screws - Flat HD 3/16" x 1/4" concrete (Included)
4. Extrusion Adhesive **ADH-MB-75AM-10**
5. End Cap Adhesive **ADH-5-CA**

Installation Instructions

NOTE: Read all instructions entirely before installation. Call Tivoli, LLC with any questions. Install Softstep prior to carpet installation. Where there is no carpet, use optional Step Reducer to fill gap at back of tread. (See Specification Sheet for details)

Step 1: Be sure to clean all surfaces completely, using soap and water. Rinse and dry thoroughly.

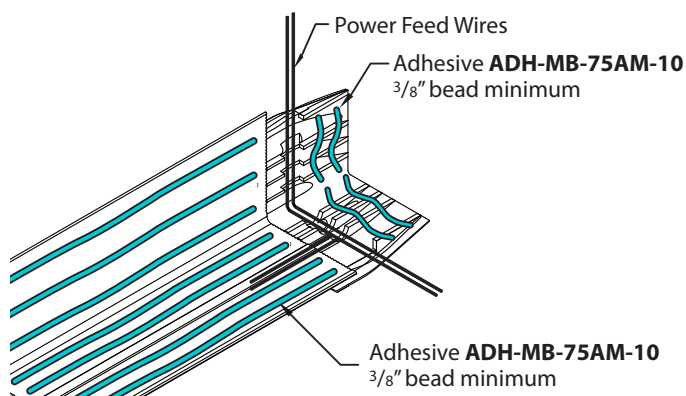
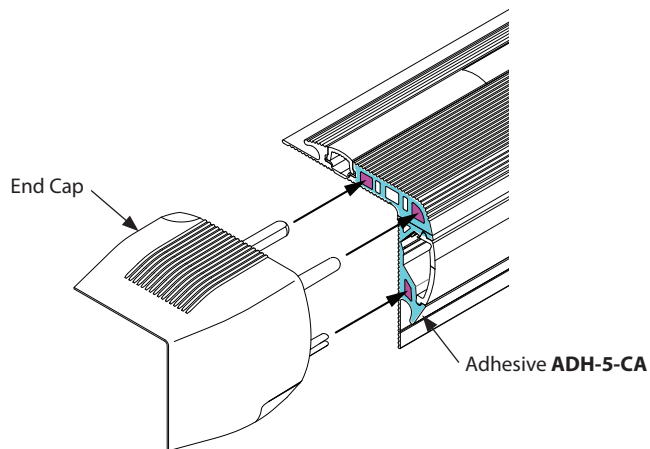
Step 2: Fiberstep™ Continuous is normally shipped with End Caps pre-assembled on step. However, in special circumstances the End Caps will need to be assembled on location. Apply adhesive **ADH-5-CA** to mounting surface and mounting holes and Insert male pins into cavities in Fiberstep™ as shown in diagram and install flush and tight to Fiberstep™.

Step 3: Apply required amount of adhesive **ADH-MB-75AM-10** to inside surface of Fiberstep™ and to the underside of End Caps, as shown.

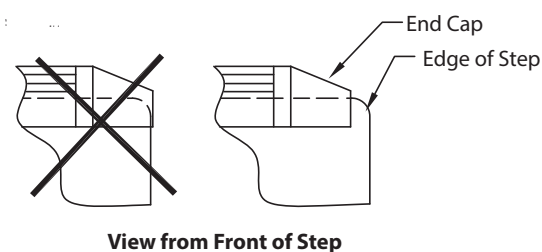
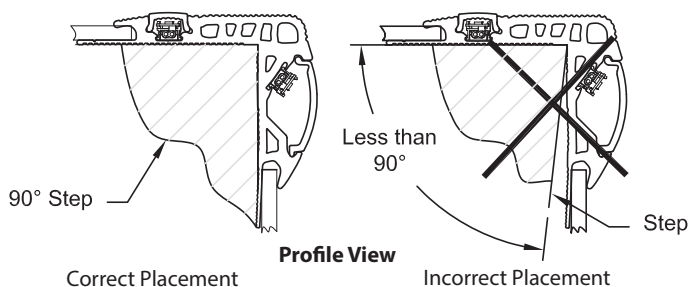
Step 4: Power feed wires should be positioned within the open wireway on the underside of the End Cap when Fiberstep™ Continuous is installed.

Step 5: Make certain that Fiberstep™ Continuous is held tight to the tread and riser surfaces (See “Required Field Conditions” below.)

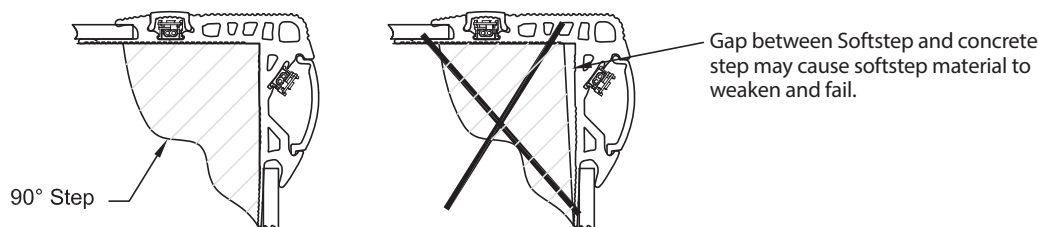
⚠ WARNING! Risk of Product Damage.
This Step Light must be mounted on a 90° riser only. See “Required Field Conditions” below.



Required Field Conditions



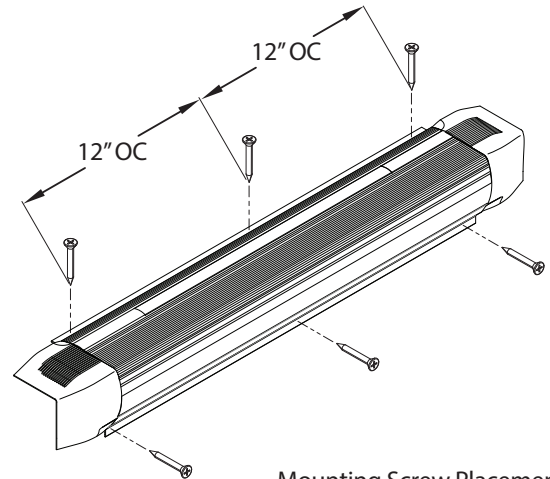
Note: If step riser is not 90°, consult factory.



Installation Instructions (Continued)

Step 6: Apply screws (supplied) every 12" through the lip at the rear of the top of the step and through the lip at the bottom front of the step to allow adhesive to cure for at least 24 hours or as per manufacturer's instructions.

Caution: Do not overtighten screws. Overtightening the screws will damage the Fiber0step™.



Mounting Screw Placement

Wire Size Selection

In order to operate Class 2 lighting system properly, it is important to select wires with the right gauge to minimize significant voltage drop. Following chart provides a reference for determining the wire size according to the maximum wire length from power supply to lighting fixtures.

12V Class 2 Lighting System	
Wire Gauge	Max. Linear Length Wire
18	90
16	95
14	100
12	105

Install Wireway

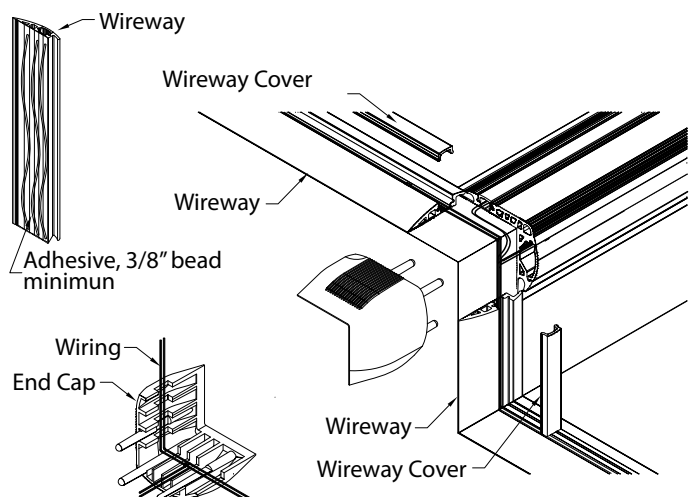
Step 1: Cut and miter wireway to desired length with wireway cover in place. After cutting, remove cover and use adhesive **ADH-MB-75AM-10** to glue wireway to floor surface. Tapcon 3/16" x 1 1/4" flat head screws to secure wireway is optional. Clean any excessive glue with denatured alcohol.

Step 2: Run power feed through wireway and make wiring connections, as shown. Be sure connection polarity is correct.

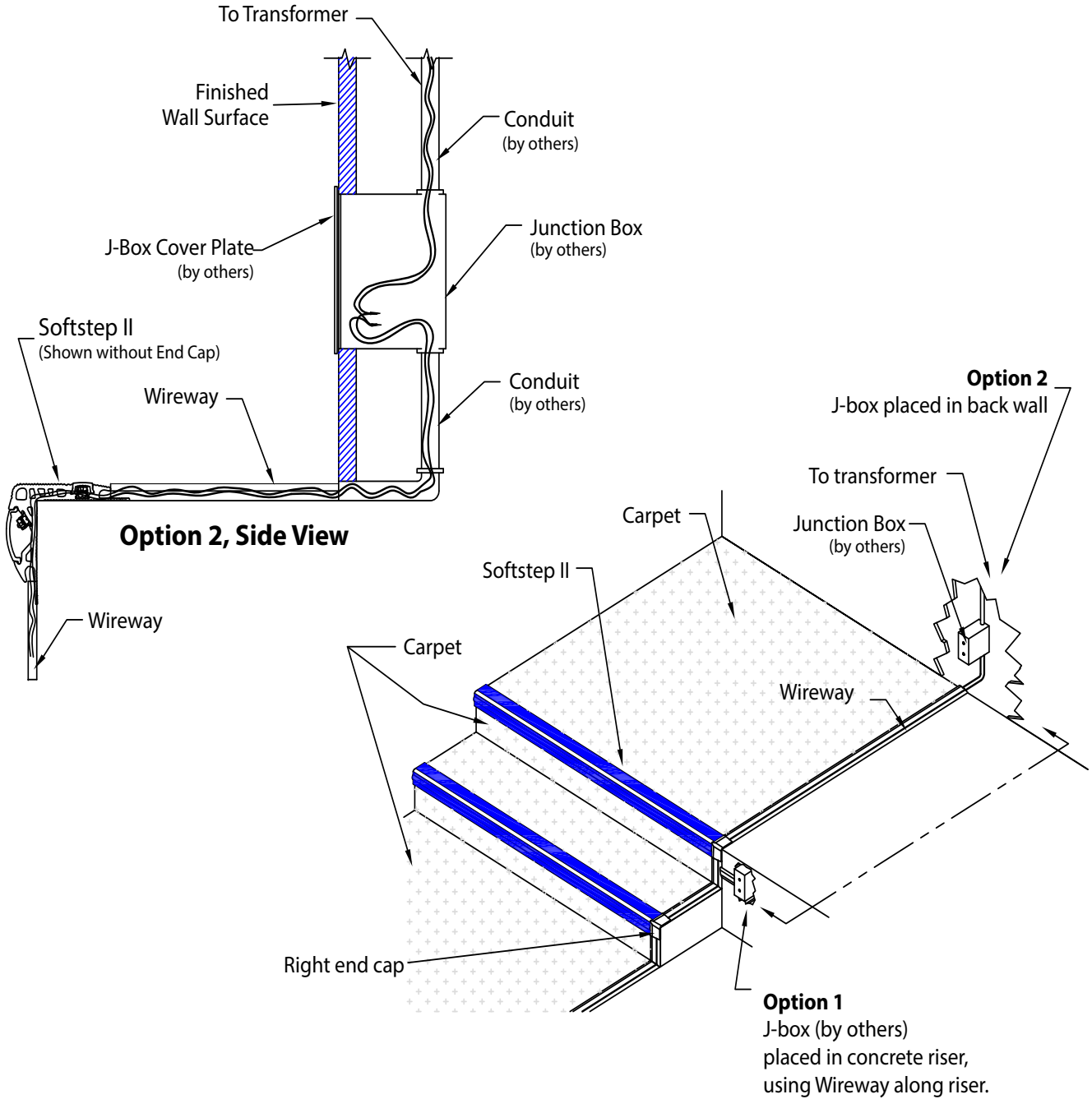
Step 3: Snap wireway into place.

Step 4: Connect to power source. Be sure wire is sized to compensate for voltage drop over distance and color coded for polarity accuracy. White wire is positive, Black wire is negative.

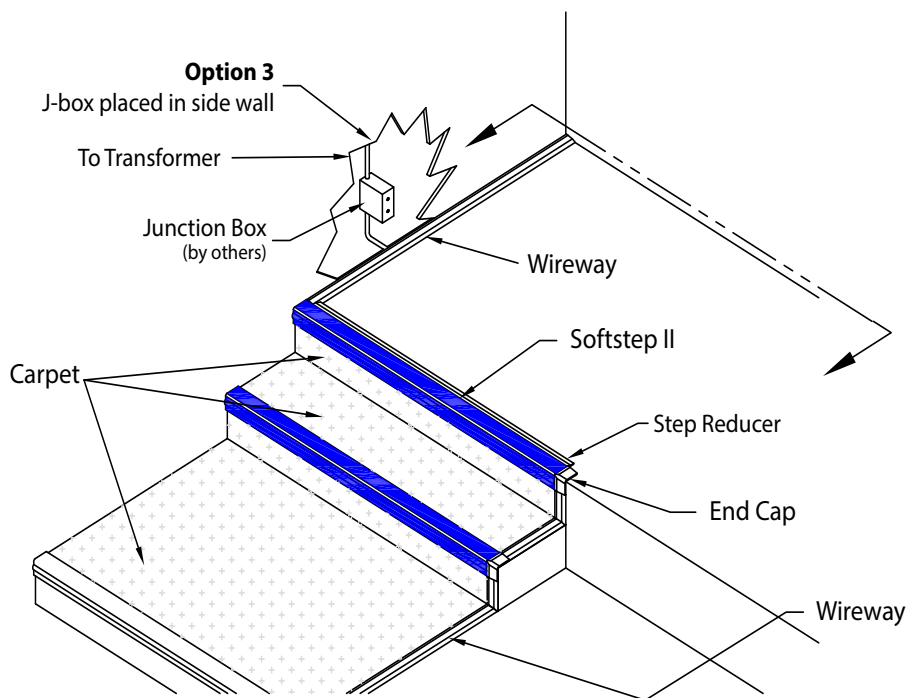
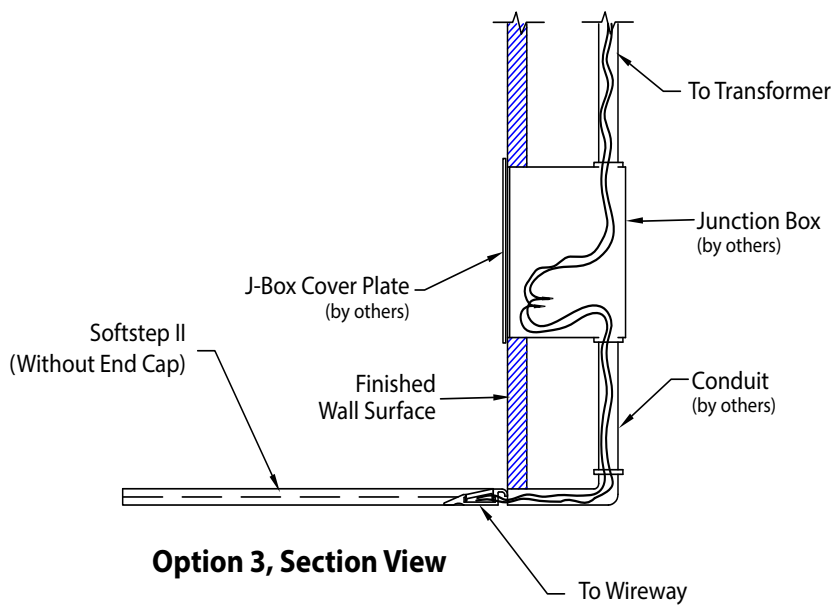
NOTE: LED lamps require Class 2 12V DC transformer. Be sure polarity is correct.



Power Feed Connections



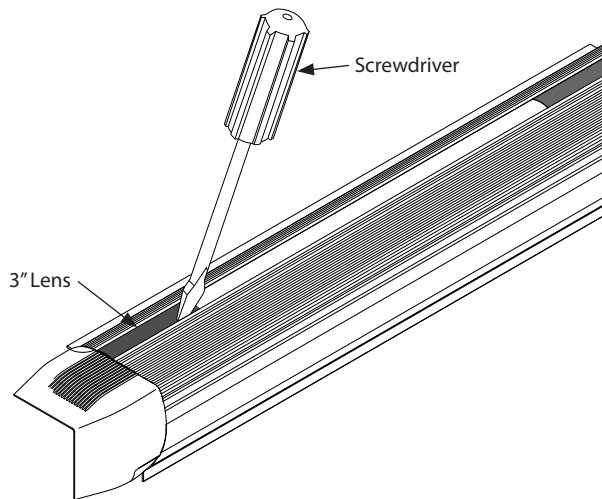
Power Feed Connections



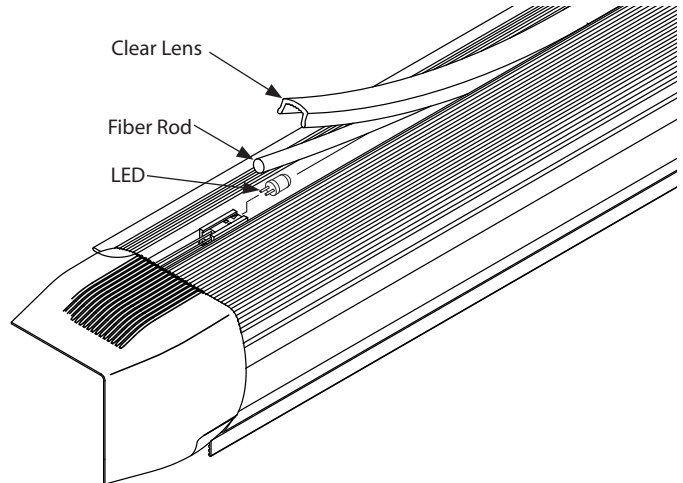
Maintenance: Removing and Installing the Upper LED

⚠ WARNING! Danger of Electrical Shock. Be sure power is turned off before proceeding.

Step 1: Remove the 3" Black Lens. Use a thin blade screwdriver or a small Putty Knife to pry up the lens, as shown.



Step 2: Pull up the clear lens and pull up the Fiber Rod to make room to remove the LED. Pull the LED straight out of the socket, as shown.



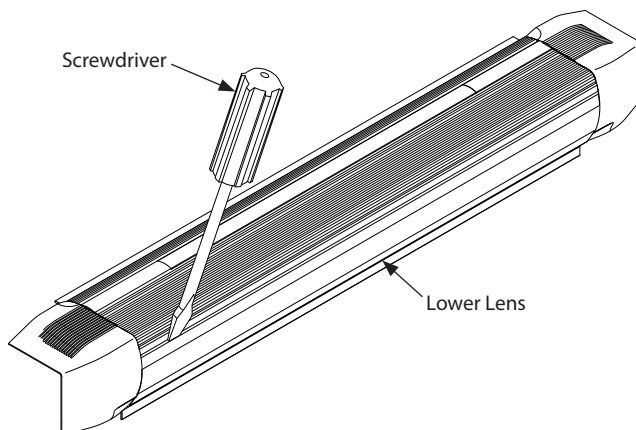
Step 3: Install replacement LED by plugging lead wires directly into slots in Socket. Press Fiber Rod back down into position in the holder and press Lens down into position. Position 3" Lens over opening and press down into position.

Step 4: Restore power to the system.

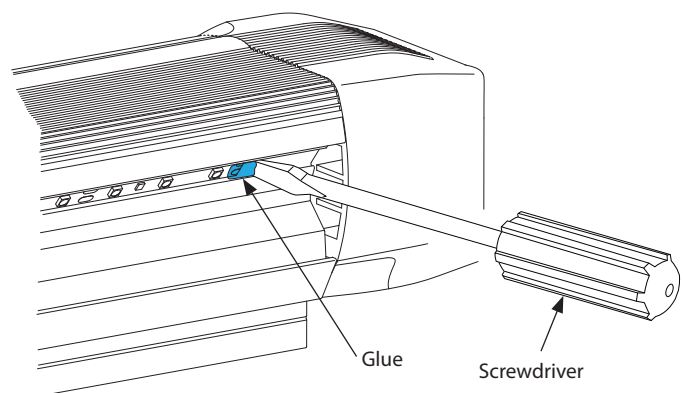
Maintenance: Replacing Tivotape™ in Lower Cavity

⚠ WARNING! Danger of Electrical Shock. Be sure power is turned off before proceeding.

Step 1: Remove the lower lens. Use a thin blade screwdriver or a small Putty Knife to pry up the lens, as shown.

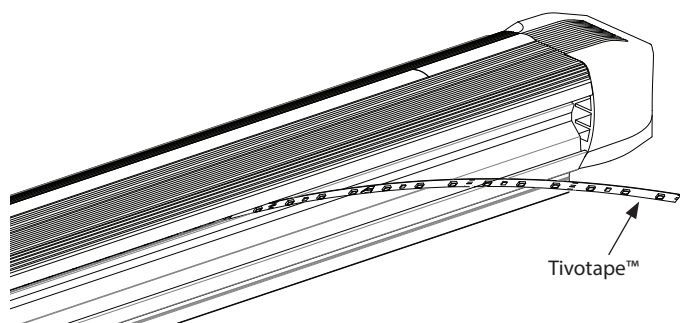


Step 2: Use a flat blade screwdriver to peel the Glue away from the trail end of the Tivotape™ Strand.

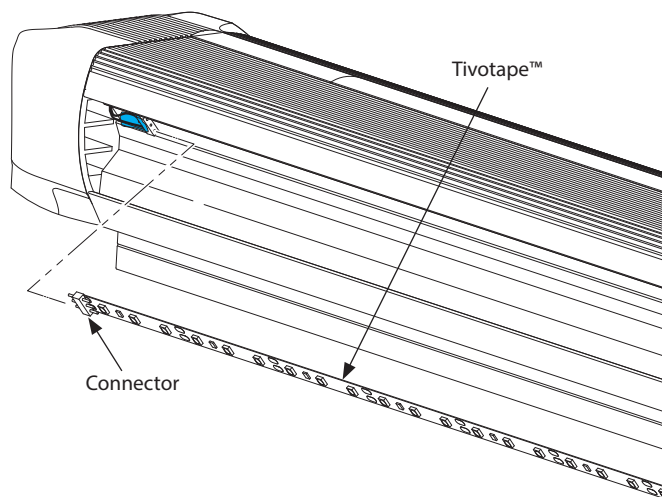


Replacing Tivotape™ in Lower Cavity (Continued)

Step 3: Start at one end and peel the Strand of Tivotape™ away from the step surface.



Step 4: Once the Tivotape strand is loose, unplug the connector at the end of the Strand.™

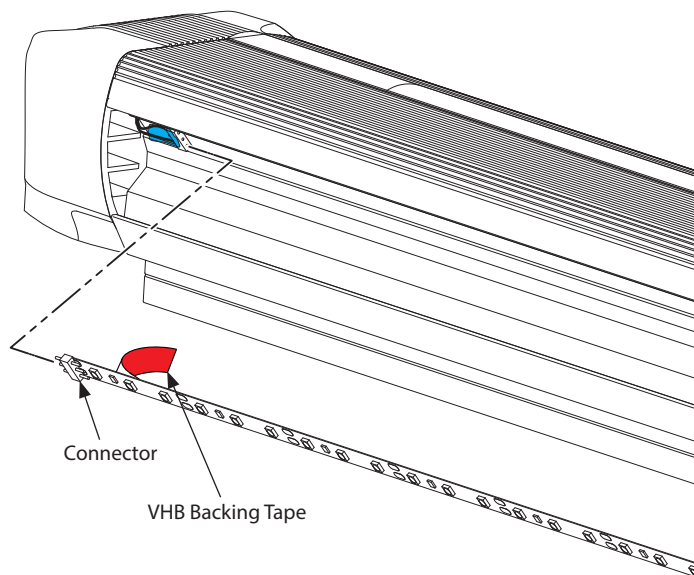


Step 5: Use alcohol to remove any adhesive that remains on the Step surface.

Step 6: Starting at the connector end of the replacement Tivotape™, begin peeling away the 3M VHB backing tape.

Step 7: Plug the Tivotape connector into the mating connector on the Step.

Note: Apply Tivotape to clean, smooth step surface.

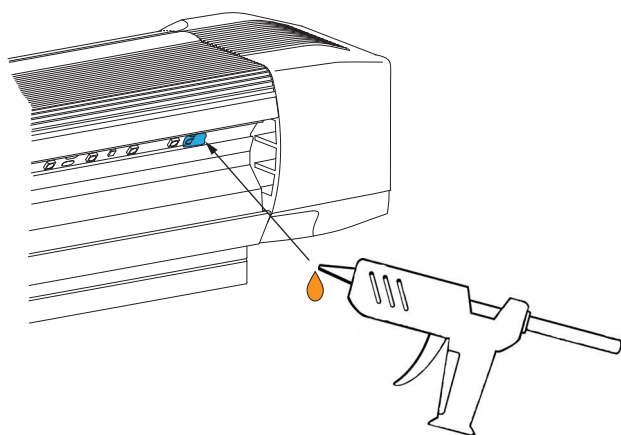


Step 8: Continue to pull the backing tape away and press down along the length of the Tivotape until the entire strand is stuck down on the Step.

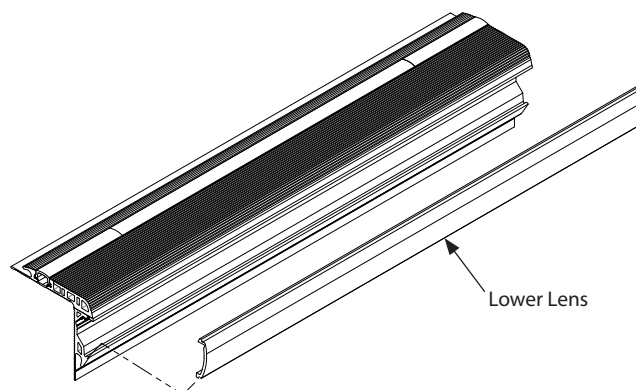
CAUTION! Risk of Damage.
Do not attempt to remove Tivotape™ once it has been adhered to surface. Stick down only once to avoid damage to the product. If there is misapplication, remove the Tivotape™, clean off all adhesive from the mounting surface and start over with a new strip of Tivotape™ on a clean surface.

Replacing Tivotape™ in Lower Cavity (Continued)

Step 9: It is recommended that you apply hot glue over the end of the Tivotape™ in order to prevent the tape light from lifting away from the step over time. Apply the glue to cover the edge of the tape and about 1/2" of the Step channel to ensure a solid bond.



Step 10: Insert Lens into lower cavity. Insert the lower edge first, then snap the top edge into position starting at one end and press along the lens to the other end.



Step 11: Restore power to the system.