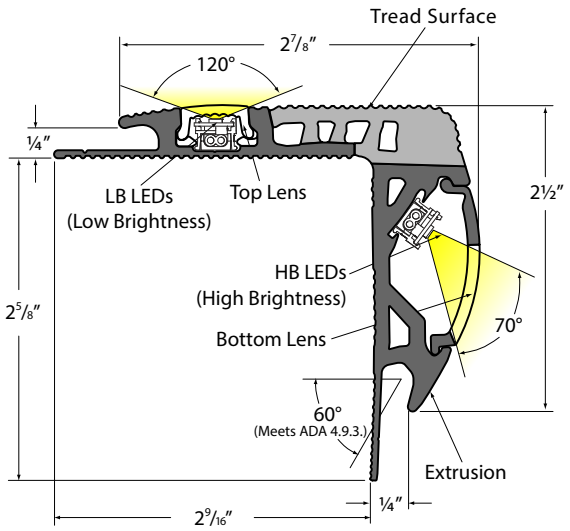


Please verify the contents of the packages!

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.

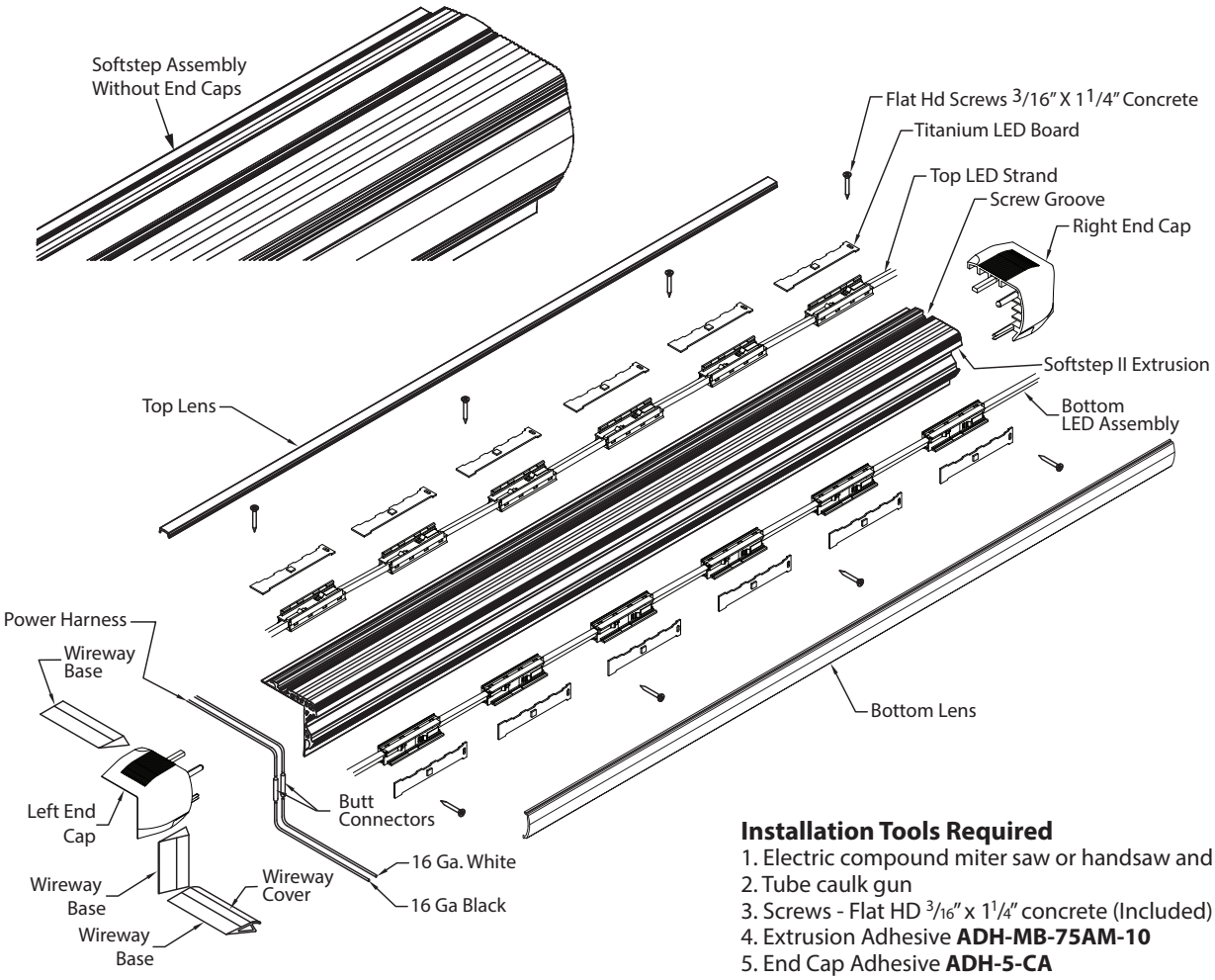
Caution: Softstep II™ Titanium Series is designed to work with listed Class 2 12V DC transformers only. Use of any other power source will cause damage, shorten the life of the fixture and void the warranty.

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 insrtalled 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 1/4″ concrete (Included)
4. Extrusion Adhesive **ADH-MB-75AM-10**
5. End Cap Adhesive **ADH-5-CA**

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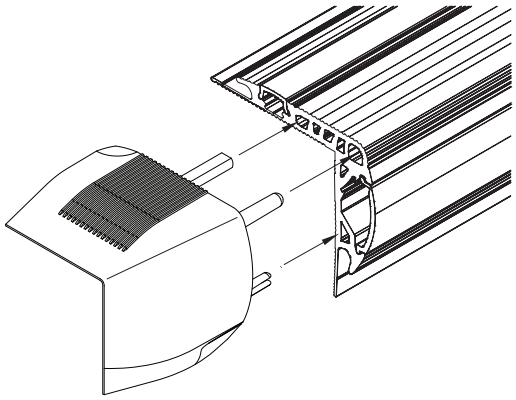
Installation Instructions



NOTE: Read all instructions entirely before installation. Call Tivoli, LLC with any questions. Install Softstep prior to carpet installation.

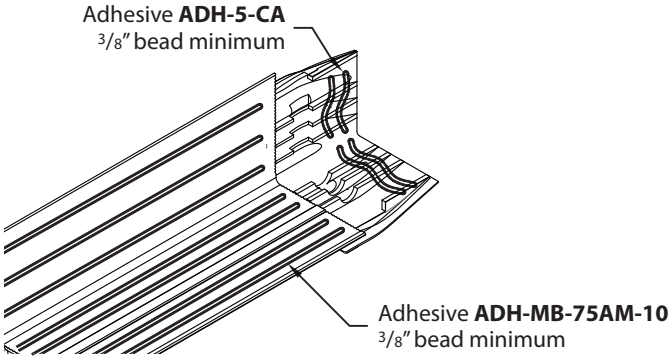
Step 1: Be sure to clean all surfaces completely, using soap and water. Rinse and dry thoroughly.

Step 2: Softstep™ 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** and Insert male pins into cavities in Softstep™ as shown in diagram and install flush and tight to Softstep™.

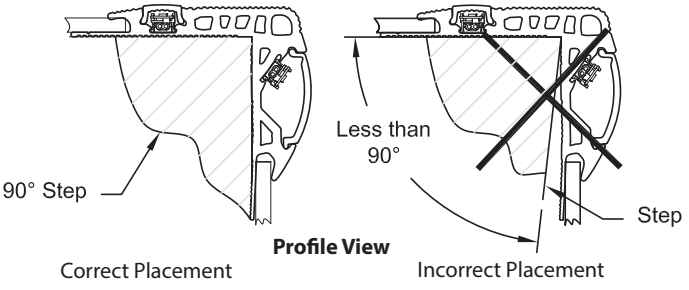
Step 3: Apply required amount of adhesive **ADH-MB-75AM-10** to inside surface of Softstep and and use adhesive **ADH-5-CA** to underside of End Caps, as shown.

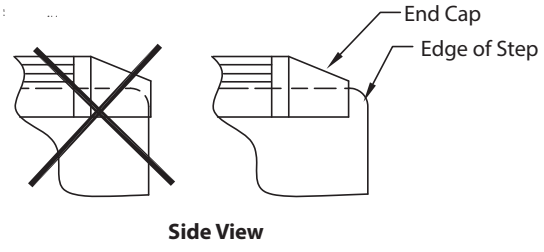
Step 4: Power feed wires should be positioned within the open wireway on the underside of the End Cap when Softstep is installed.

Step 5: Make certain that Softstep is held tight to the tread and riser surface (See "Required Field Conditions" below.)

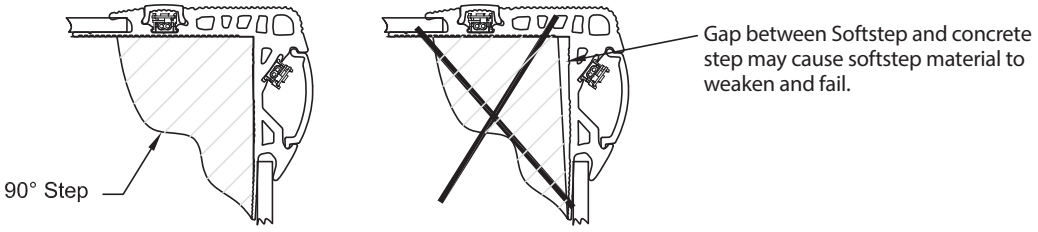


Required Field Conditions





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



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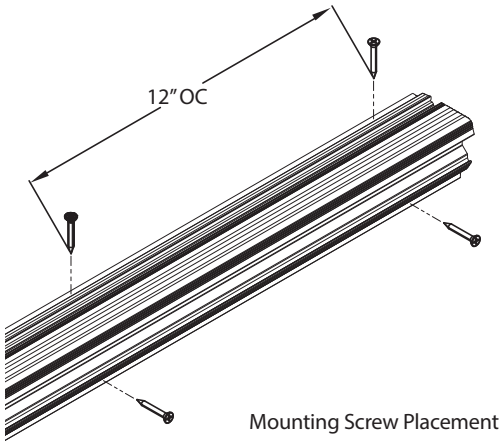
Installation Instructions (Continued)

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 Softstep™.



Mounting Screw Placement

Wire Size Selection

In order to operate Class II lighting system properly, it is important to select wires with the right gauge to minimize significant voltage drop. Following are two charts providing 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

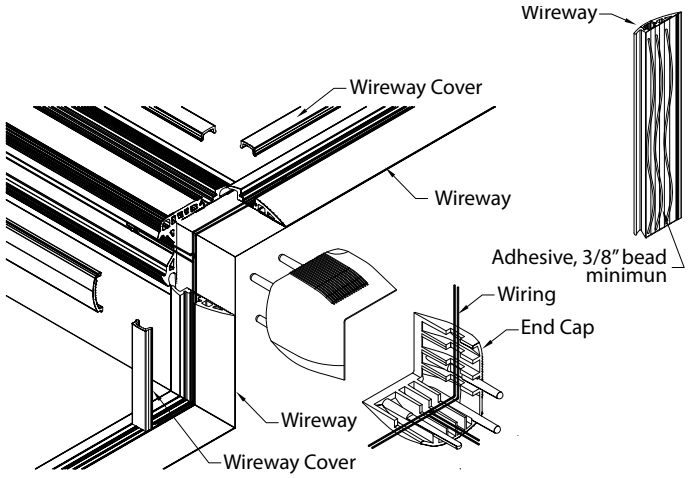
Install Wireway

Step 1: Install wireway. Cut and miter wireway to desired length with wireway cover attached. 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. Black wire is positive, white wire is negative.
NOTE: LED lamps require Class 2 12V DC transformer. Be sure polarity is correct.



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Power Feed Connections

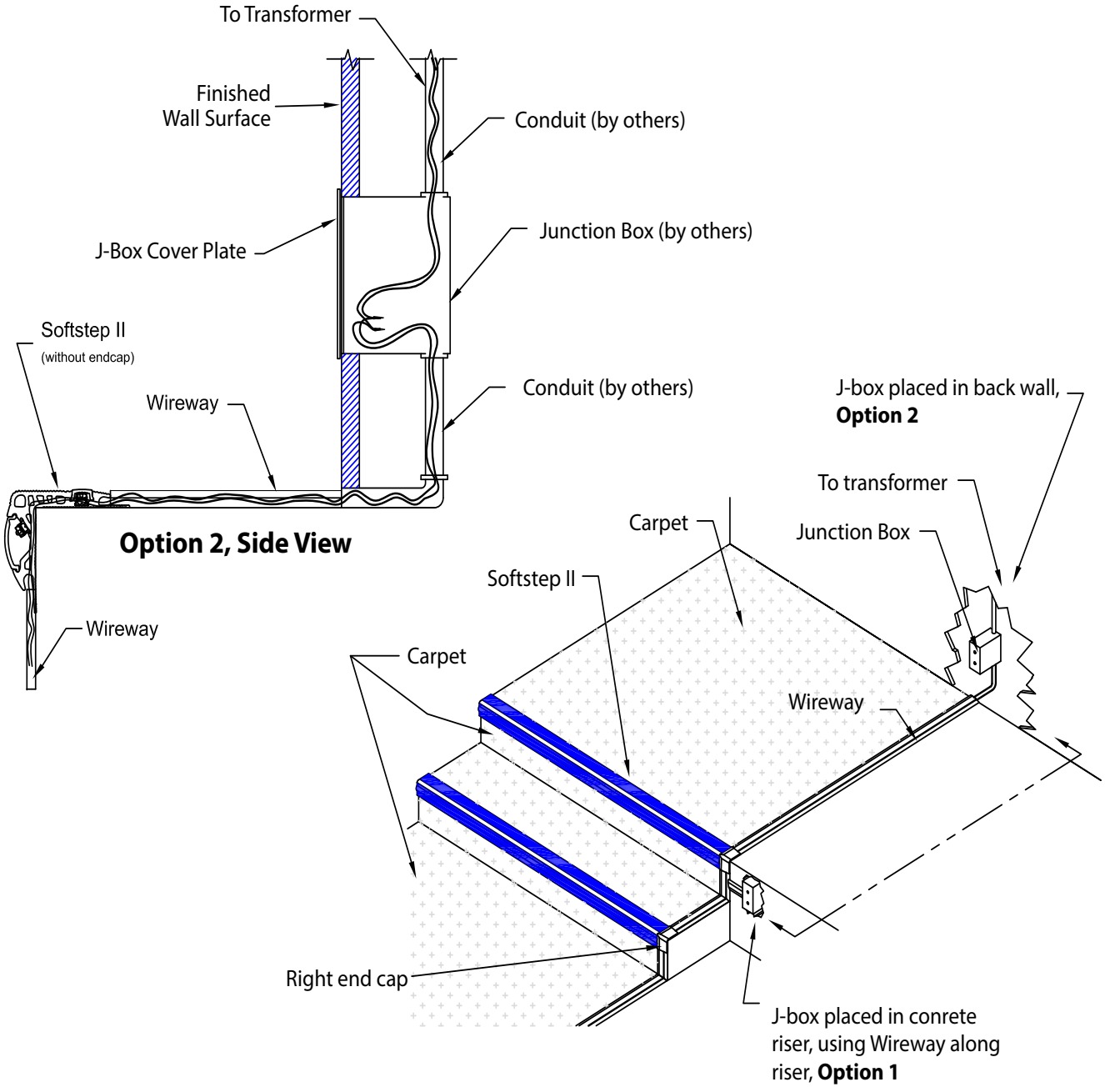
Field Modifications:
Softstep is factory pre-cut and fully assembled. Field modification is very simple.

Reversing Power Feed

1. Remove End Caps.
2. Run wire through one of the small cavities in the grey top area of the step to the other side of the step and connect to power source. Only the step closest to the J-Box will need to have the power side reversed.

Field Trimming

Step 1: Remove End Cap opposite power feed side.
Step 2: Trim Softstep™ to desired length.
Step 3: If trimming the Softstep™ requires some lamps to be removed, be sure lamps and wire are clear of cut and that no bare wire is exposed.
Step 4: Replace End Caps.



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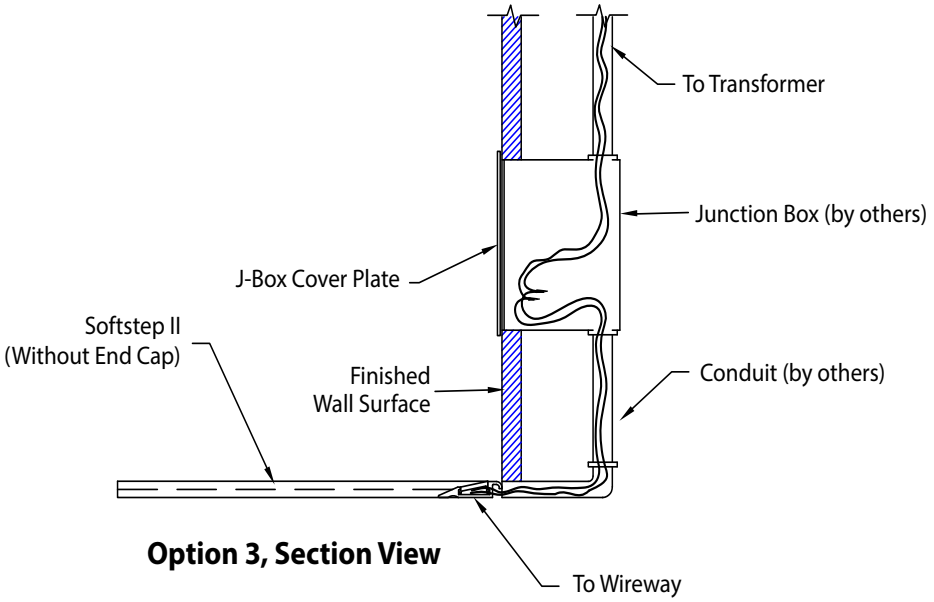
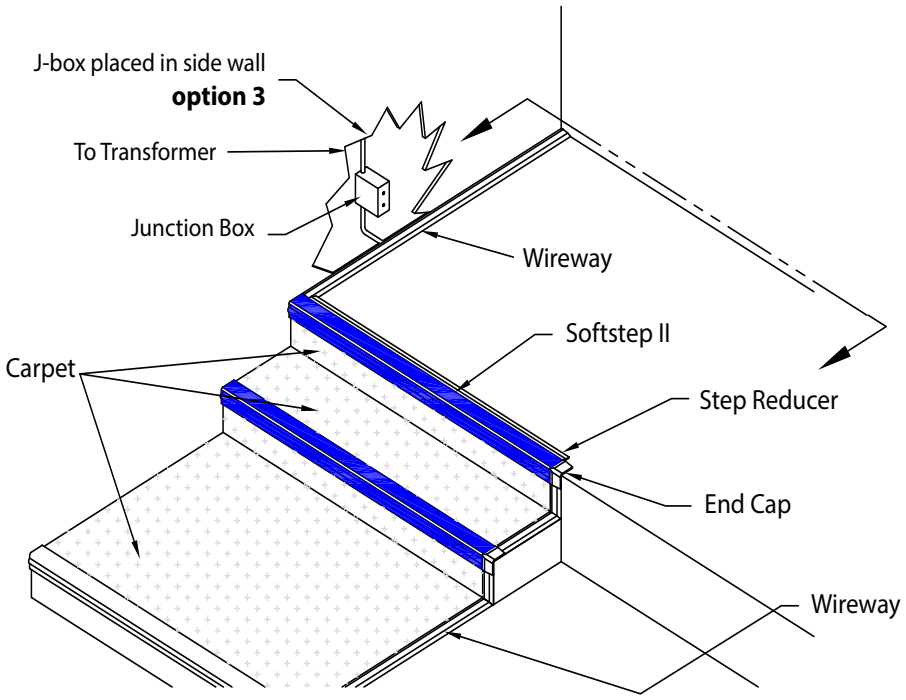
Power Feed Connections



Option 3, Section View



0-10V Dimming Control Interface

DIMMER	TYPE	CONTROL SIGNAL	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD	BREAKER RATING	DIMENSIONS
DIM-OT-1-4-5-D	Control Interface	0-10V DC	12V/24V DC	12V/24V DC	96W	5A/4A*	7"L X 1½"W X ¾"H

DIM-OT is a full range control interface that receives dimming signal from various controllers (0-10V DC).
Consult factory for more information.

*DIM-OT applications require 1 each DIM-OT per circuit

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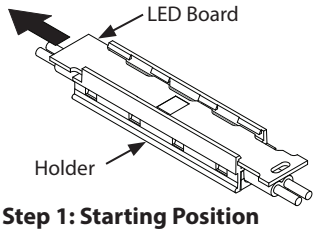
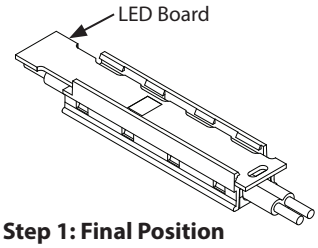
Removing and Installing the LED Board

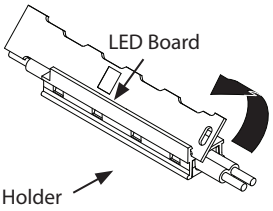
Step 1: Slide board to the left as far as it will go. Insert a pointed object, such as a pen tip, into the slot ast the end of the LED board to slide it more easily.
Step 2: Rotate top edge of board upward, as shown.
Step 3: Remove board.
Installation: Reverse steps to install .



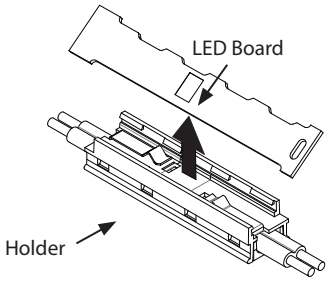
Step 1: Starting Position



Step 1: Final Position



Step 2

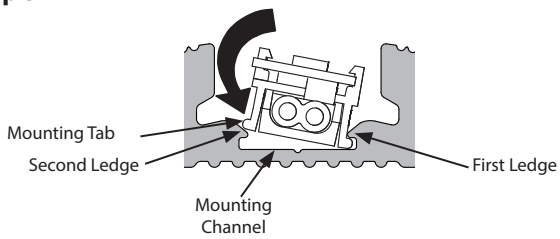


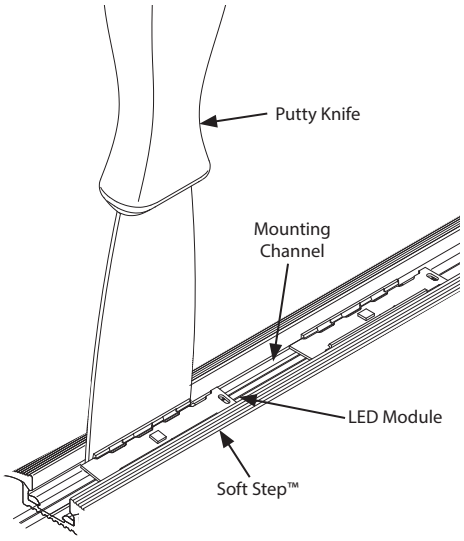
Step 3

Replacing a Module Strand

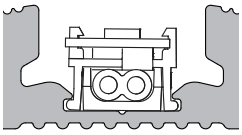
Step 1: Turn off power to Soft Step™.
Step 2: Remove Lens by prying up using a thin blade screwdriver.
Step 3: Cut the wires outside of the defective light strand on either end, as shown.
Step 5: Position replacement LED module strand in mounting channel with one mounting tab under the ledge of the channel on one side, as shown.
Rotate the module down until it makes contact with the opposite ledge of the mounting channel.
Step 6: Position the Putty Knife on the mounting tab and press the module gently into the channel until the mounting tab snaps into place under the ledge of the mounting channel.
Step 7: Repeat installation process for all new modules in the strand.
Step 8: Use Butt Connectors for 18ga wire to connect the wiring on the replacement strand to the existing strand wiring.
Step 9: Replace the lens.
Step 10: Re-establish power to the lighting system.

Step 5





Step 6



LED Module in Final Position

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