

INSTALLATION INSTRUCTIONS | AFEX Series Beam Focusing Mntg. Channel for SpecFlex Architectural Strip Light

The important safeguards and instructions here are not meant to cover all possible conditions and situations that may occur.

IMPORTANT SAFETY INSTRUCTIONS:

- **WARNING: RISK OF FIRE AND ELECTROCUTION**
- **WARNING: TO AVOID FIRE, SHOCK OR DEATH**, disconnect power at circuit breaker before installing or servicing
- **READ AND SAVE THESE INSTRUCTIONS FOR LATER USE**
- Product should be installed by a qualified electrician
- Dry Location Only
- Product must be used in a manner consistent with its intended use, in compliance with National Electrical Code and local codes and where it will not readily be subject to tampering by unauthorized personnel
- Double check all connections and screws, ensuring they are tight and correct
- Installing contrary to instructions may cause unsafe conditions
- If the product has any visible damage do not install it
- Call the Technical Support department at ConTech Lighting with any installation questions: 847.559.5500

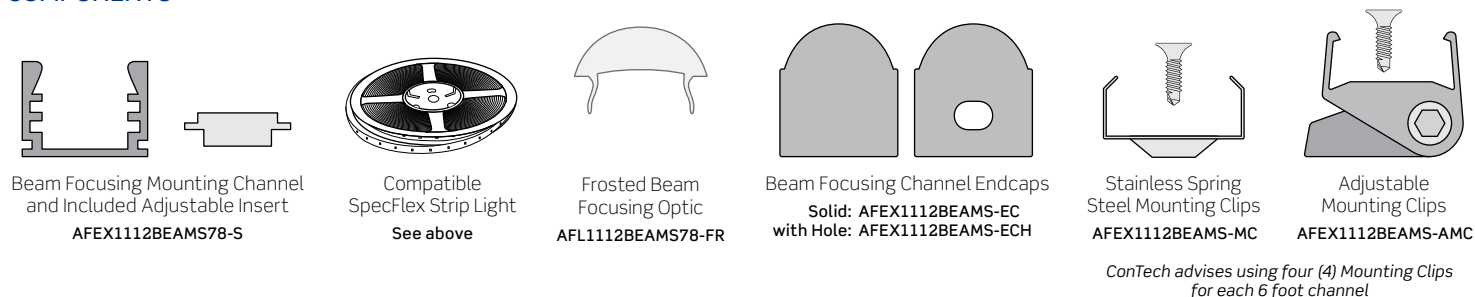
INSTALLATION PROCEDURE

COMPATIBILITY

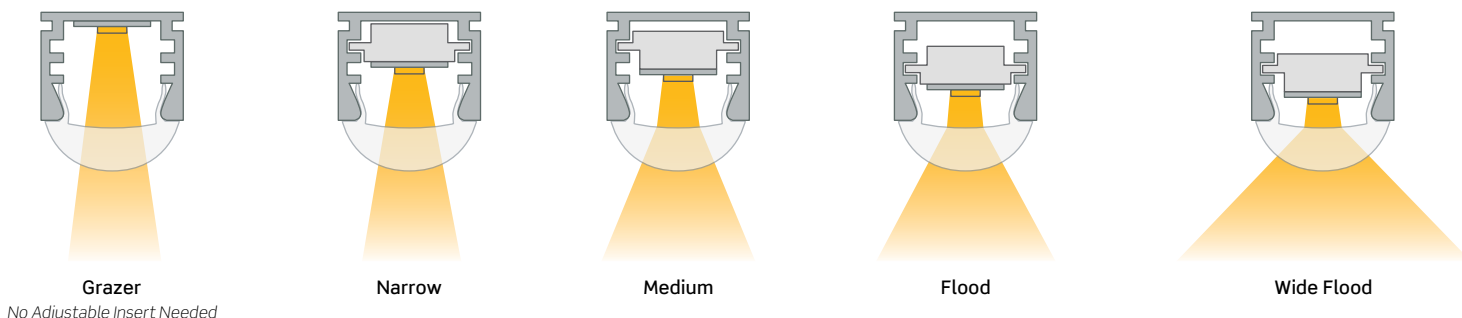
The following SpecFlex Series are compatible with the AFEX Beam Focusing Mounting Channel:

- **AFSS48 Series:** Wet Location Medium Density 48 LEDs/Ft
- **AFSS48-7H Series:** Wet Location High Efficacy Medium Density 48 LEDs/Ft
- **AFSS42 Series:** Wet Location Monochrome/Static Color 42 LEDs/Ft
- **AFSSCN Series:** Wet Location Continuous COB

COMPONENTS



CONFIGURATIONS



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INSTALLATION PROCEDURE

ADJUSTABLE INSERT

- The Channel and Adjustable Insert can be configured to create five (5) different beam spreads
- The smaller the distance between the Adjustable Insert/Strip Light and the Optic, the wider the beam angle
- Install Strip Light directly onto the Adjustable Insert or the inside bottom of the Mounting Channel
- Carefully start removing the paper backing from the 3M Double Sided Adhesive, making sure not to remove the adhesive from the Strip Light, as doing so may cause arcing
- Using fingers only, apply firm, even pressure to press the Strip Light down into the Channel, making sure the Strip Light is laying completely flat; any lifting will cause noticeable changes in light output
- Avoid excessive pressure on the LEDs and Resistors
- **NOTE:** DO NOT use any tools to press the Strip Light onto the surface, this will cause damage to the Strip Light
- Do not remove all the paper backing at once; remove slowly down the length of the Strip Light, gently pressing the Strip Light into place as you go
- After Strip Light is adhered to the Insert, slide the Insert into the selected configuration slot

LENS AND END CAPS:

- Align the Lens starting at one corner of the interior of the Mounting Channel, carefully snap the other corner in place
- Once one corner is fully in place apply even pressure on both side of the Lens at the same time to fit the remaining Lens length in place
- Install End Caps by snapping into place; pulling any excess Power Cable through the opening when inserting

INSERT CONFIGURATIONS



Configuration 1:
Grazer
No Adjustable Insert



Configuration 2:
Narrow



Configuration 3:
Medium

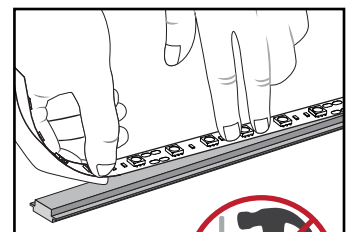
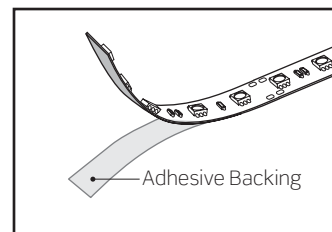


Configuration 4:
Flood

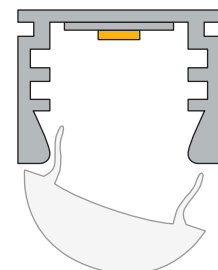
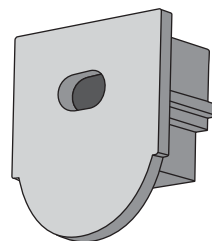


Configuration 5:
Wide Flood

ADHERE STRIP LIGHT TO INSERT



LENS & END CAPS



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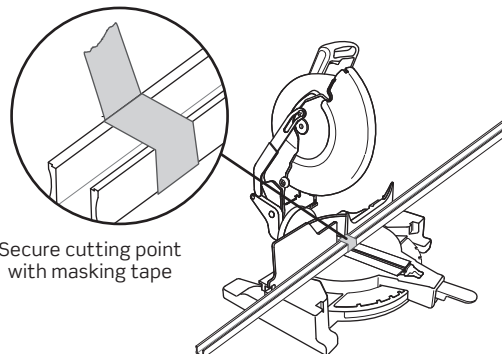
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INSTALLATION PROCEDURE

MOUNTING CHANNEL: SURFACE MOUNT OR MOUNTING CLIPS

• ALWAYS WEAR SAFETY GLASSES WHEN CUTTING THE MOUNTING CHANNELS

- Determine the length of Mounting Channel needed for the application; standard Channel length is 6 feet
- Before cutting the Channel, secure the cutting point with masking tape
- Cut Mounting Channel using a Hacksaw or Miter Saw with the appropriate blade for cutting Aluminum



Secure cutting point with masking tape

SURFACE MOUNTING:

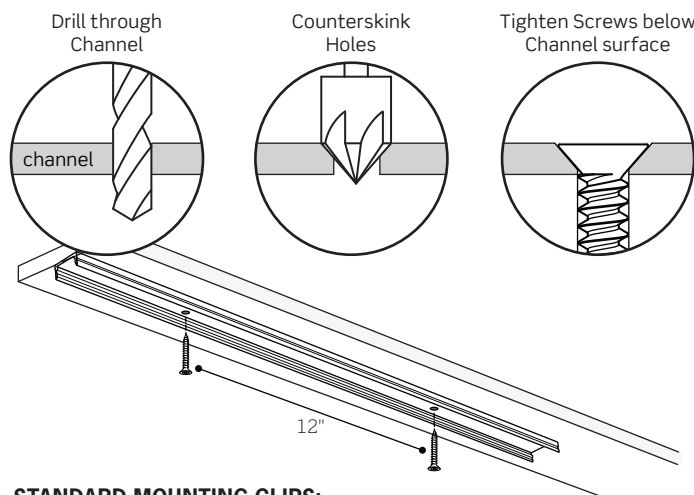
Method 1 - Screws

- Mark mounting locations along the inside bottom of the Channel; recommended max. distance between locations is 12-inches
- Drill counter sunk holes through the Channel at the marked points; Screws must be flush with inside bottom of Channel
- Ensure there are no burrs around the holes after drilling as they can damage the Strip Light and Power Cables
- Screw Channel through counter sunk holes directly onto the mounting surface, ensuring Screws are flush with the inside bottom of Channel

Method 2 - Double-Sided Adhesive Tape

- Thoroughly clean the area where the Mounting Channel will be installed
- Apply double-sided adhesive tape to the back of the extrusion
- Firmly press the Channel to the Surface
- Apply firm, even pressure to the Channel to affix it to the surface
- Once applied, the Channel cannot be repositioned
- The adhesive will, and continue to, bond to the surface over time. After 72 hours, full bond strength is achieved

SURFACE MOUNTING:



MOUNTING CLIPS:

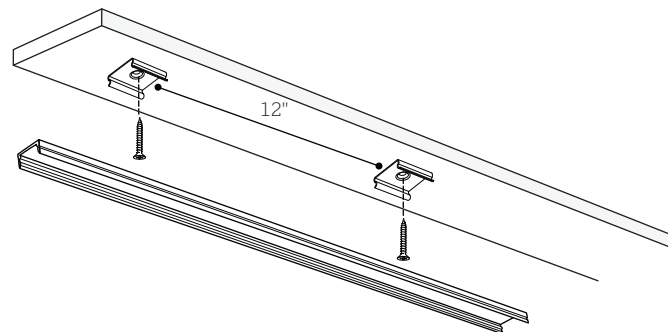
Standard Mounting Clips

- Mark Mounting Clip locations along the Strip Light run; recommended max. distance between clips is 12-inches
- Secure Clips with screw(s) directly onto mounting surface
- Snap assembled Mounting Channel/Insert/Lens/End Caps into Clips

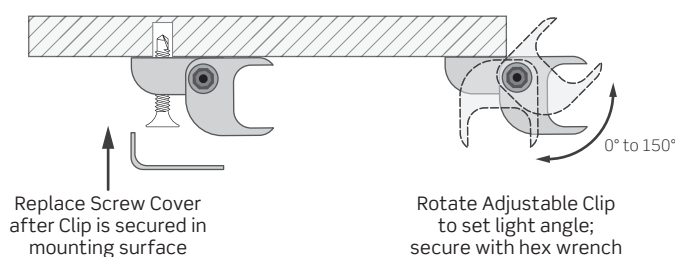
Adjustable Mounting Clips

- Mark Mounting Clip locations along the Strip Light run; recommended max. distance between clips is 12-inches
- Remove the Cover covering the screw hole
- Attach Mounting Clips to the surface using the appropriate screws
- Replace Screw Cover once Clips are secured in place
- Snap assembled Mounting Channel/Insert/Lens/End Caps into Clips
- Insert the Channel into the Clips and set the light angle

STANDARD MOUNTING CLIPS:



ADJUSTABLE MOUNTING CLIPS:



Replace Screw Cover after Clip is secured in mounting surface

Rotate Adjustable Clip to set light angle; secure with hex wrench

- Class 2 Driver is to be installed in accordance with Article 450 of the National Electric Code
- Prior to installation, check the label and ensure the Driver has the proper input voltage and wattage for the job
- Install and secure the Power Supply in a well-ventilated area, free from explosive gases and vapors; proper operation requires free flow of air
- Connect Strip Light to the Power Supply; consult Wiring Diagrams for details
- Turn on the power to light up the Strip Light