

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

IMPORTANT SAFETY INSTRUCTIONS:

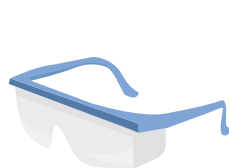
- **WARNING: RISK OF FIRE AND ELECTROCUTION**
- **WARNING: TO AVOID FIRE, SHOCK OR DEATH**, disconnect power at circuit breaker before installing or servicing device
- **READ AND SAVE THESE INSTRUCTIONS FOR LATER USE**
- Product should be installed by an electrician
- All electrical connections must be in accordance with local and National Electrical Code (NEC) standards. If you are unfamiliar with proper electrical wiring connections, consult an electrician.
- Before starting the installation, disconnect the power by turning off the circuit breaker or by removing the appropriate fuse at the fuse box. Turning the power off at the light switch is not sufficient to prevent electrical shock.
- Use in spacious and open space; avoid metal obstructions above and in front of the product.
- Use in a cool and dry environment; avoid direct contact with light and heat.
- Do not open, modify, repair or maintain products without authorization, this will void the warranty
- Product must be grounded to avoid potential electric shock and any other potential hazards as well as to ensure reliable starting
- Product must be mounted in locations and at heights and 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
- To prevent damage to the wiring, do not expose wiring to edges of sheet metal or other sharp objects
- Wear rubber soled shoes and work on a sturdy wooden or non-conductive ladder
- Double check all connections and screws, ensuring they are tight and correct
- Most dwellings built before 1985 have supply wire rated at 60°C
- Supply conductors (power wires) connecting the luminaire must be rated at minimum of 90°C
- 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

INSTALLATION BEST PRACTICES:

- For drywall thicknesses greater than or equal to 1/2-inch ($\geq 1/2"$)
- For installations where Mud-In Channel runs are installed parallel to joists or studs, consider adding blocking during framing process to ensure there is ample structure to secure the Channel.
- Consider Wire and Driver locations when laying out Channel placement.
- For installations with flat-plane 90° turns, consider the allowable cut lengths of the Strip Light Tape intended for use and choose Channel lengths compatible with these lengths.
- For Inside and Outside Corner Mud-In Channels, consider how the end of the channel will align with the other trims and finishes in the space to avoid unintended gaps or sharp transitions.
- Avoid aligning seams in the Mud-In Channel with seams in the Channel Lens. Off-set Channel to Lens seams to make them less noticeable.

RECOMMENDED TOOLS



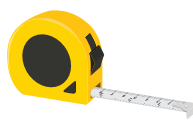
Safety Glasses



Pencil



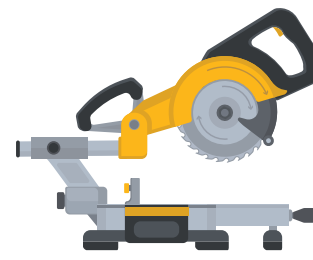
Scissors



Tape Measure



Painter's Tape



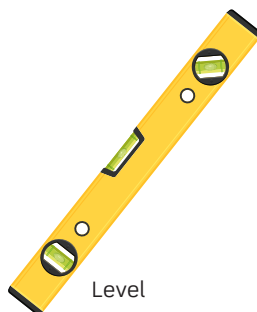
Saw with Fine-Tooth Blade for Cutting Aluminum



Utility Knife



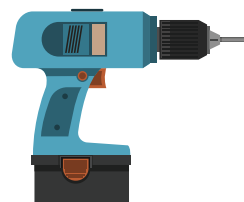
Drywall Saw



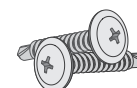
Level



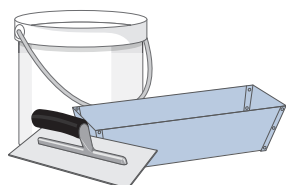
Rasp



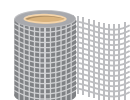
Power Drill



Lathe Screws



Joint Compound



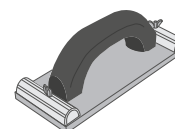
Drywall Tape



Tape Knife



Corner Trowel



Hand Sander

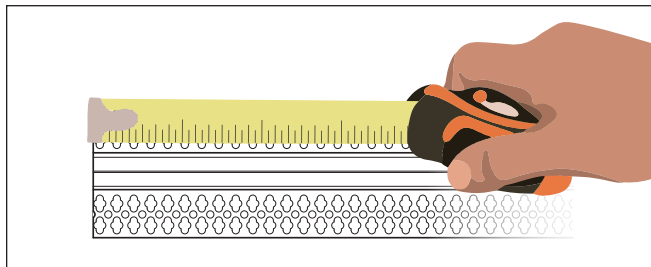


Microfiber Cleaning Cloth

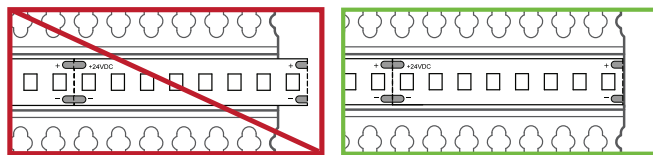
INSTALLATION PROCEDURE

1. CUT THE CHANNEL & LENS

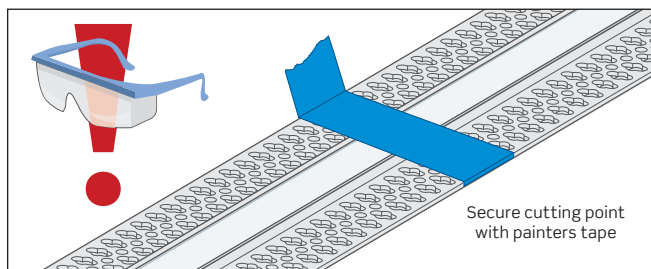
- ALWAYS WEAR SAFETY GLASSES WHEN CUTTING MOUNTING CHANNELS
- Determine the length of Mounting Channel and Lens needed for the application; standard Channel lengths are 4- and 6-feet



TIP: Consider the cut-increment of the chosen Strip Light to avoid dark sections at the ends of the Channel. See specific Strip Light Specification Sheet for cut length.

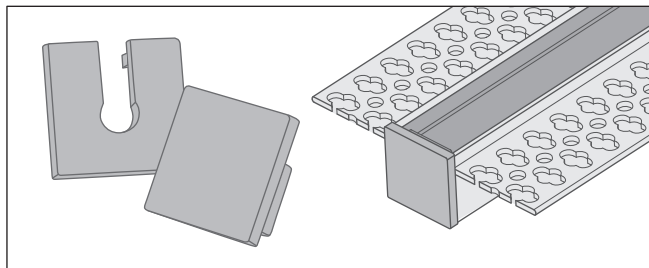


- Before cutting the Channel and Lens, secure the cutting point with painters tape
- Cut Mounting Channel and Lens using a saw with the appropriate high tooth-count blade for cutting Aluminum

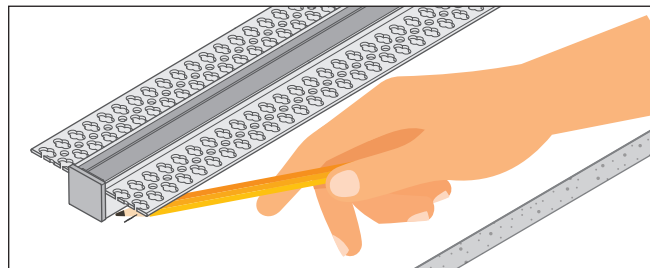


2. MARK AND CUT DRYWALL

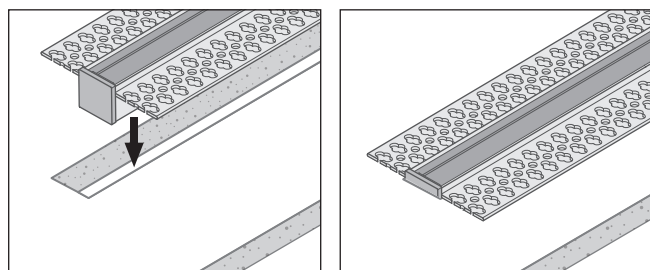
- Assemble Channel with Endcaps



- Layout Channel location on drywall and mark. Channel wings land outside of the cut area.



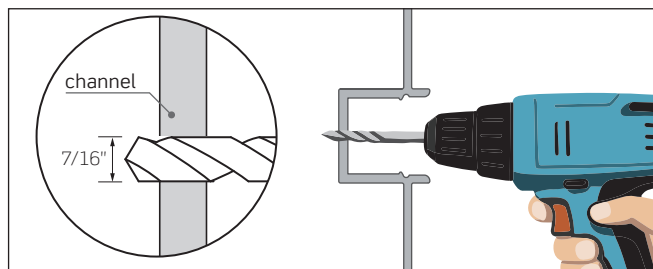
- Cut the drywall using a drywall saw and clean the edges with a rasp or coarse sandpaper. Test fit the Channel; Channel should be snug.



INSTALLATION PROCEDURE

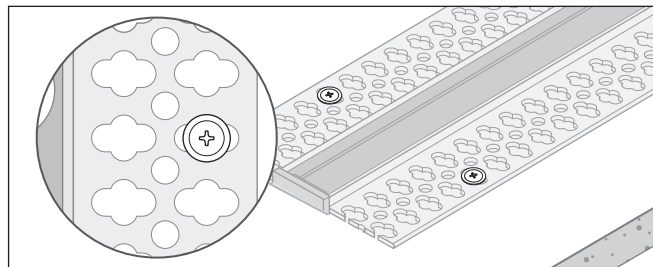
3. DRILL WIRE FEED HOLE

- Before installing, drill a 7/16" hole (approx.) in the back side of the Channel where needed.
- Deburr the hole to avoid wire chafing.



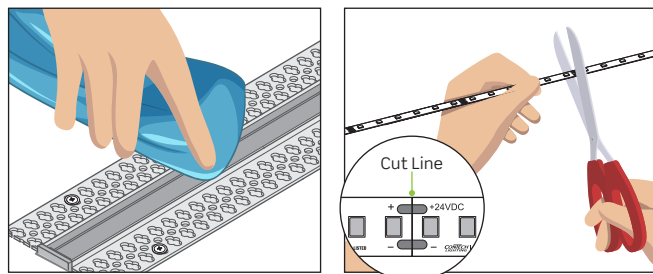
4. INSTALL CHANNEL IN DRYWALL

- Secure the Mud-In Channel to the drywall using low profile head/lathe screws through the clover shaped holes on the wings of the Channel.

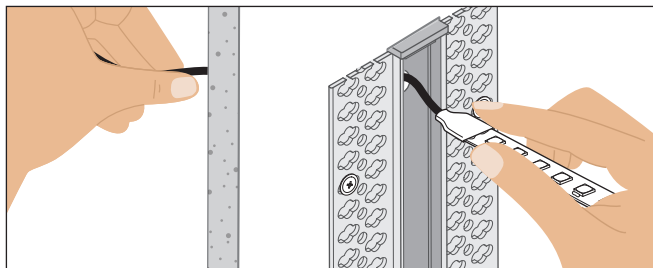


5. INSTALL STRIP LIGHT INTO CHANNEL

- Wipe Channel clean of dust and debris.
- If needed, cut the Strip Light to the required length, cutting only on the marked cut lines.

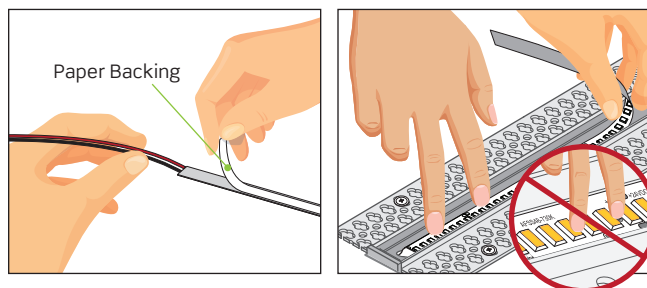


- Feed power wires through the hole drilled in Step 3. Ensure that the heat-shrink wrapped strip end remains outside/behind the Channel.



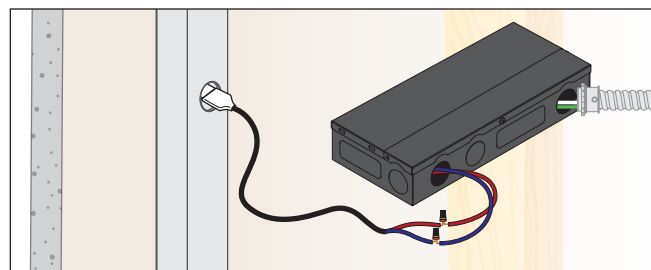
5. INSTALL STRIP LIGHT INTO CHANNEL, CONTINUED

- Working in short sections, carefully start removing the paper backing from the Strip Light, making sure not to remove the adhesive itself.
- Center the Strip Light within the Channel.
- Using your fingers only, gently press the Strip Light down to adhere to the Channel, making sure the Strip Light is completely flat against the Channel surface, any lifting will cause noticeable changes in light output.
- Avoid excessive pressure on the LEDs and Resistors.
- Do not remove all the paper backing at once; remove slowly down the length of the Strip Light, gently pressing the strip into place as you go.
- Trim the Strip Light at the end of the run using scissors at the designated cut lines.



6. WIRE TO DRIVER AND TEST STRIP

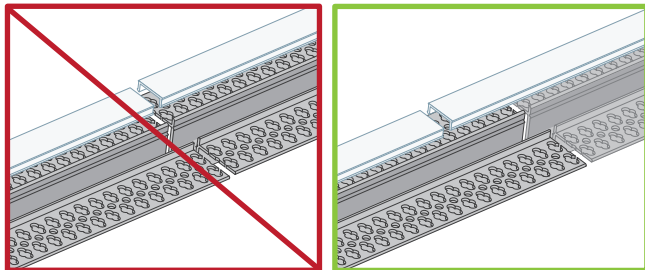
- Wire Strip Light to appropriate LED Driver and/or Control System.
- See specific Driver and/or Control System specification and instruction sheets for wiring details.
- Test LED function.



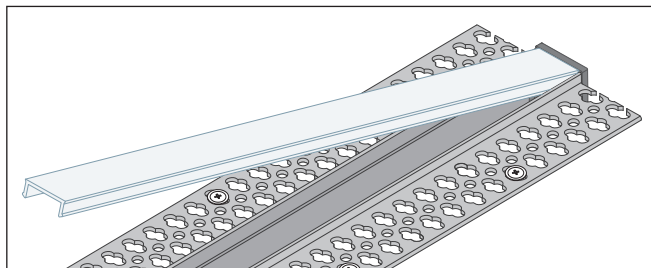
INSTALLATION PROCEDURE

7. INSTALL LENS

- Avoid aligning seams in the Mud-In Channel with seams in the Channel Lens. Off-set Channel to Lens seams to make them less noticeable.



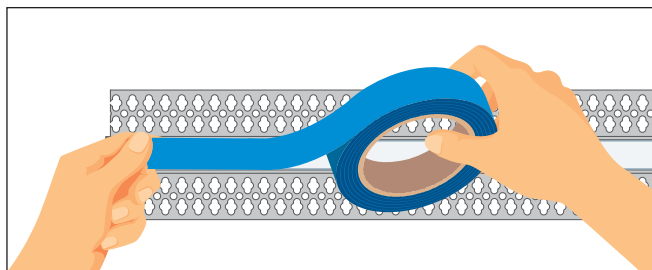
- Install lens in the channel. Cut the lens to length if needed.



- Test LED function and confirm appropriate degree of lens illumination across the whole installation.

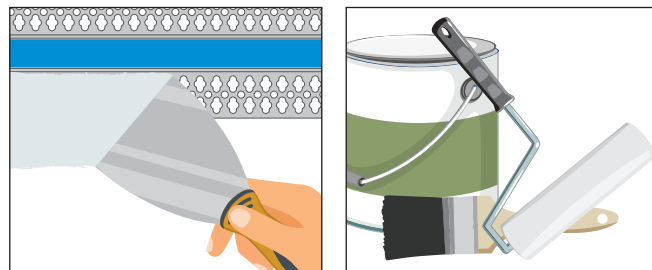
8. TAPE LENS

- Apply painter's tape to the length of the Lens once installed in the Channel to avoid scratching during plaster/mud work.



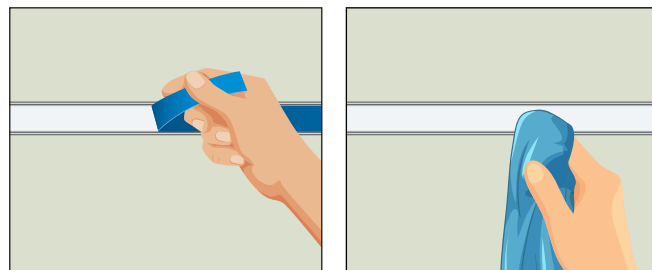
9. MUD IN THE CHANNEL

- Complete plaster/mud work, priming, and paint.



10. REMOVE TAPE

- Remove painter's tape from Lens and wipe clean.



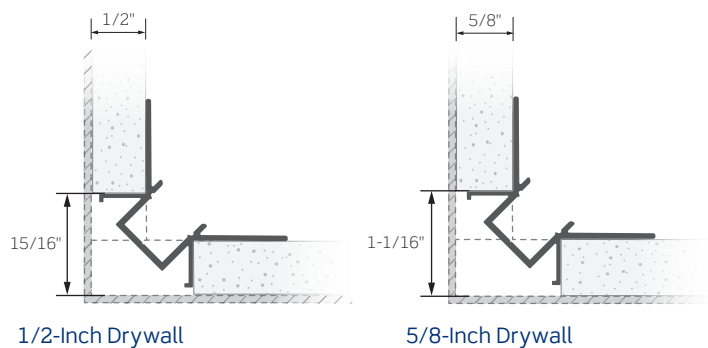
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CUT DIAGRAMS FOR MOUNTING

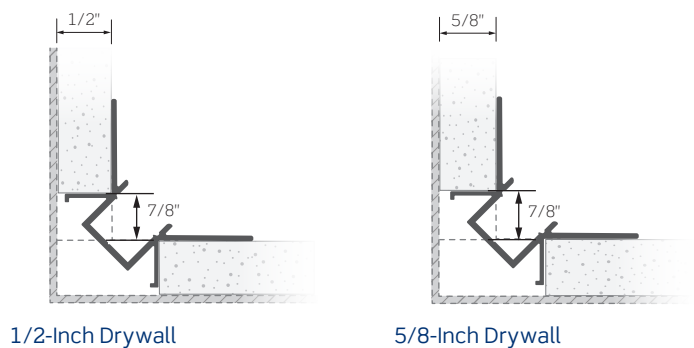
INSIDE CORNER

- **NEW CONSTRUCTION:**
Material Thickness + $7/16"$ = Distance from Drywall Edge to Framed Corner
- **RETROFIT:**
Cut Drywall Back $7/8"$ from the Existing Corner on Each Side

NEW CONSTRUCTION



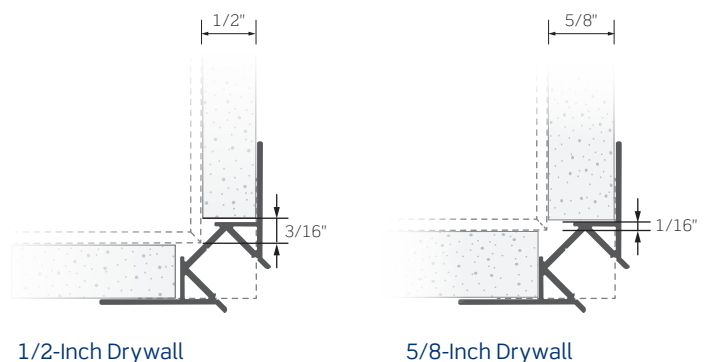
RETROFIT



OUTSIDE CORNER

- **NEW CONSTRUCTION:**
Material Thickness - $11/16"$ = Distance from Drywall Edge to Framed Corner
- **RETROFIT:**
Cut Drywall Back $11/16"$ from the Existing Corner on Each Side

NEW CONSTRUCTION



RETROFIT

