

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

### IMPORTANT INFORMATION

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- This product is compatible with 5/8 inch drywall. Ensure that the product you are using matches with your drywall thickness. Products designed for 5/8 inch drywall should not be used with 1/2 inch drywall.
- Ensure the groove cut into the drywall provides enough tolerance so that the channel is not compressed or forced into place. This allows for minor adjustments.
- Use the larger M8 (5/16") screw hole (refer to the red circle in the diagram) to attach the LED channel to the drywall instead of the smaller screw holes.
- When securing the channel with screws, avoid over-tightening, as this can deform the channel—either widening or narrowing it slightly. Any distortion can make it difficult to properly install the channel lens and may result in the need for rework.

### MATERIALS NEEDED

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- |                          |               |                  |
|--------------------------|---------------|------------------|
| • Pencil                 | • Joint Knife | • Painters Tape  |
| • Ruler                  | • Drywall Saw | • Hex Key        |
| • Scissors               | • Joint Knife | • Drywall Screws |
| • Band Saw or Rotary Saw | • Power Drill |                  |

### STEPS TO DO BEFORE INSTALLATION

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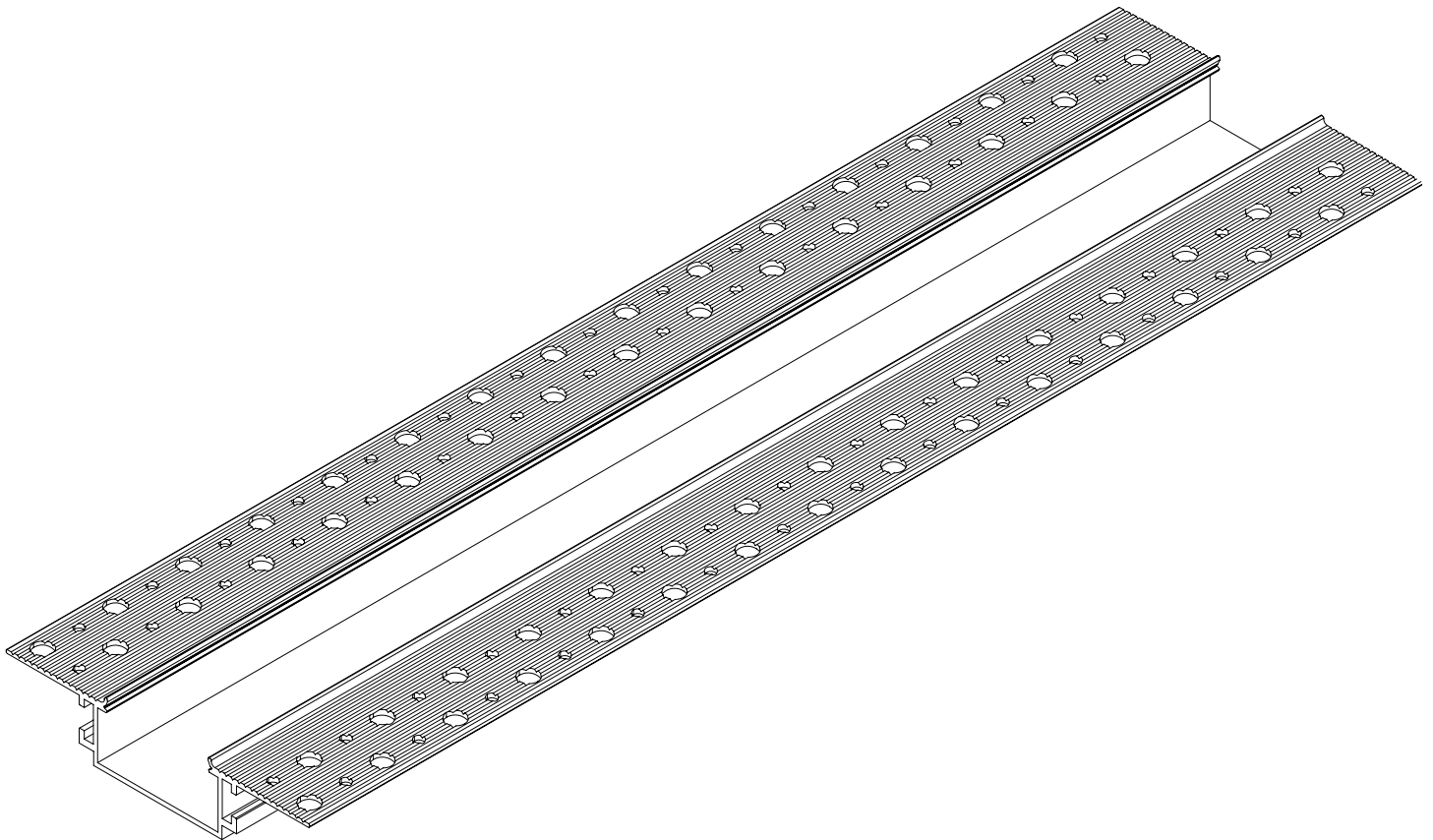
Alloy LED recommends using PowerFactor™ Dimmable Power Supplies for Mudr series installations.

1. Position the 24V DC Class 2 power supply in a suitable location within 30 feet of the desired fixture location.
  - Alloy LED recommends using 20 AWG CL2 wire. If a higher gauge wire is required due to the distance to the driver (longer than 30 ft.), then use the junction box (B) installation.
2. Connect the tape light to the driver and turn on the power.
3. Ensure the connection is secure and working properly.
4. Turn off power before mounting the channel.

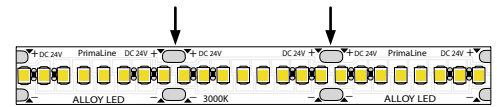
## **Mudr 1 and Mudr 2 Mud-In Aluminum Channel**

### MUDR IN-WALL CHANNEL INSTALLATION

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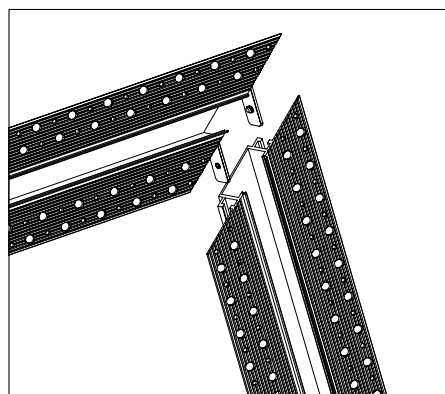


1. Cut tape light to the desired length at the cut points. Set aside.
2. Install lens into channel.
3. Use a bandsaw, rotary saw, or handsaw fitted with the appropriate blade to cut the metal channel with lens installed.



- Determine the length of the channel and bevel cut each section of the channel to match the corner angle.  
For 90° inside corner installation, each channel section is cut at a 45° angle to form a corner.
- Determine the length of the channel and miter cut at a 45° angle from the outer corner.  
Cut an additional channel for the opposing 45° angle.

- Use a hex key to fasten.

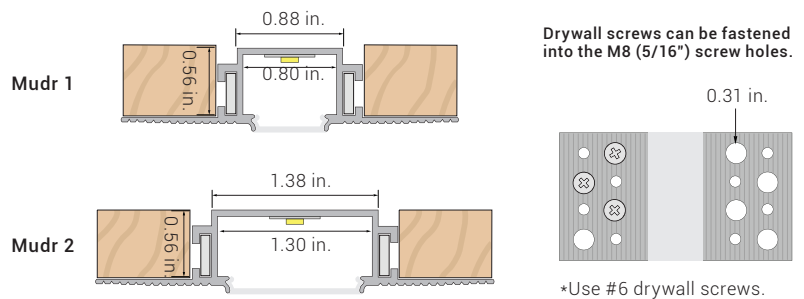


- Use a hex key to fasten.

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

### MOUNTING MUDR CHANNEL

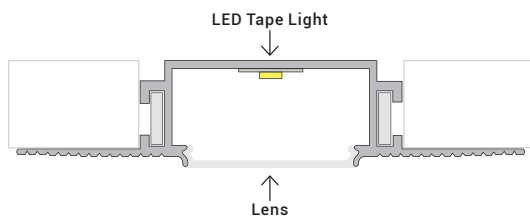
1. Cut a groove in the drywall at the desired location, making it wide enough to place the channel while allowing the flanges on either side to sit flush on the drywall.
2. Insert channel into the cut section.
3. Fasten channels to drywall and studs using drywall screws for added stability.



### ADD LED TAPE LIGHT AND LENS COVER

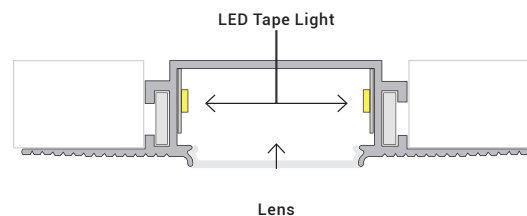
1. Insert the tape light into the channel by peeling off the covering of the tape light's adhesive backing and pressing the tape in a straight line.
2. If there is excess tape light tuck into wall or behind channel.
3. Insert lens cover by firmly pressing one edge into the channel. Continue along the channel until the lens is securely in place.

#### Wrapping and Straight Configurations (Optional)



- Install the tape light at the bottom of the channel.
- Gently bend the LED strip 90° for inside or outside configurations.

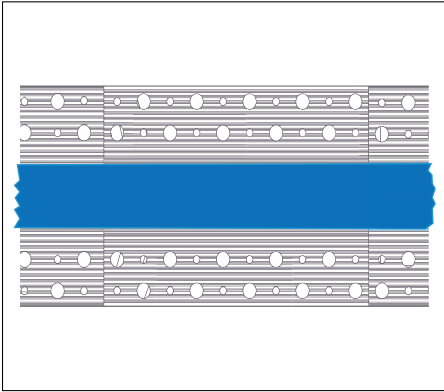
#### Zig-Zag and Picture Frame Configurations (Optional)



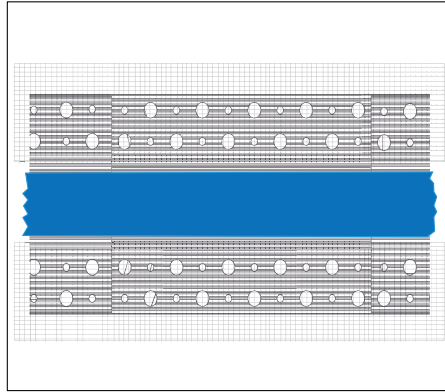
- Install the tape light on both sides of the channel. Be sure to install the tape light as close to the bottom of the channel as possible.
- Gently bend the LED strip 90° at the corners.

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

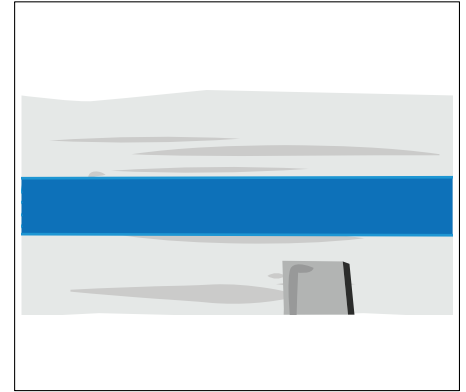
PLASTER, SAND AND PAINT



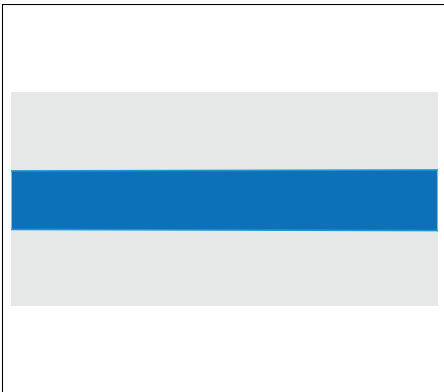
1. Cover the center of the fixture with painter's tape along the lens cover.



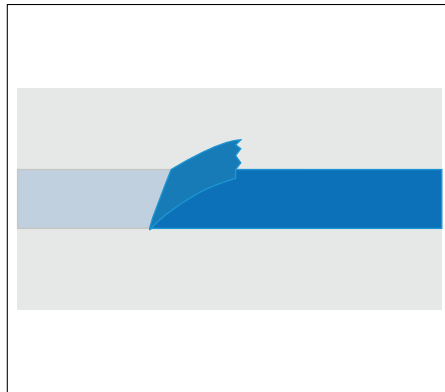
2. Apply drywall tape along the edges of the fixture to prevent the joint compound from cracking after installation, and smooth the tape flush.



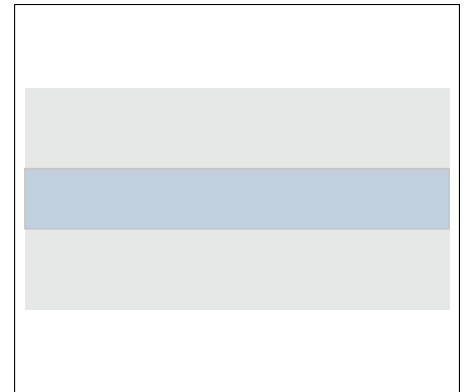
3. Apply joint compound mud to the mud-in flanges with a joint knife, covering the flanges and screw heads, and smooth the mud joint.



4. Once dry, use the hand sander to smooth the mud to make a seamless look with the drywall.



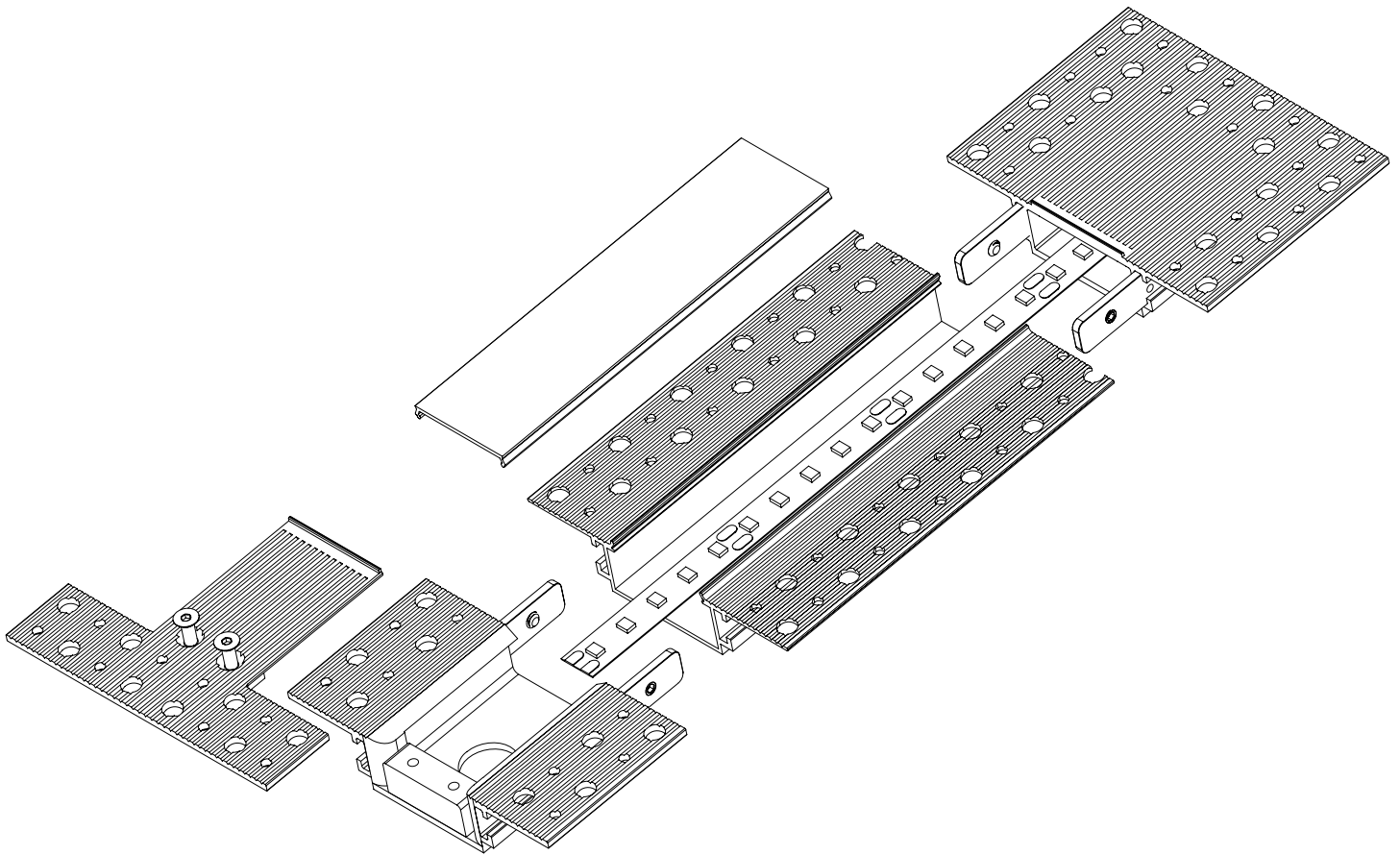
5. Paint the wall and wait until it is dry. Then remove the painter's tape.



## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

### POWERED END CAP KIT INSTALLATION

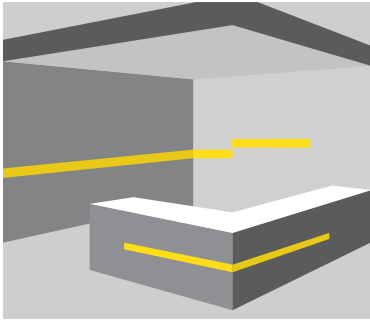
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## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

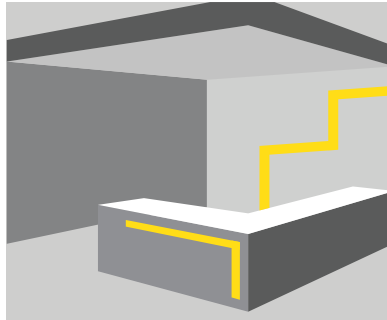
### DETERMINE LENGTH WITH MUDR POWERED END CAP KIT

#### Wrapping Configuration (Bevel Cut)



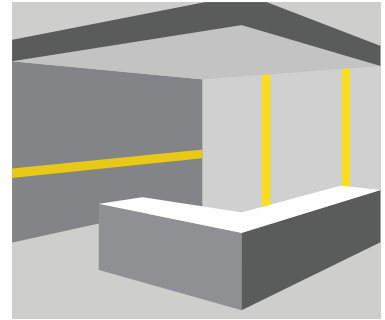
- Determine the length of the channel including the powered end cap. Each channel section is bevel cut at a 45° angle to form a corner.

#### Zig-Zag Configuration (Miter Cut)



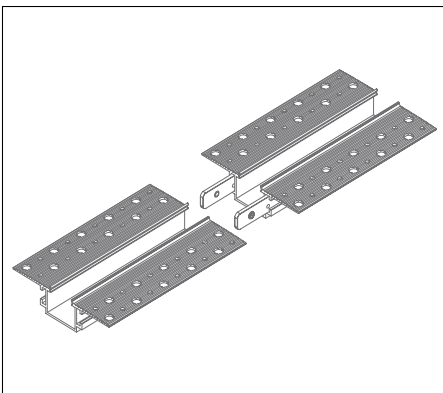
- Determine the length of the channel including the powered end cap. Each channel section is miter cut at a 45° angle from the outer corner.

#### Straight Configuration



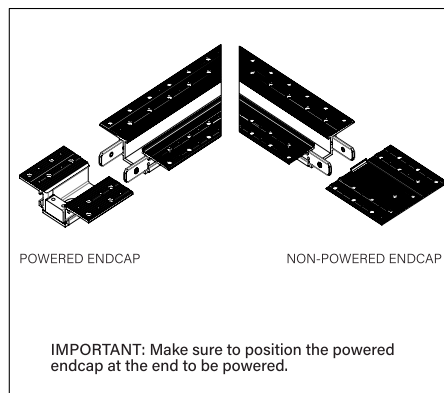
- Determine the length of the channel including the powered end cap.

### LINKING SYSTEM WITH MUDR POWERED END CAP KIT



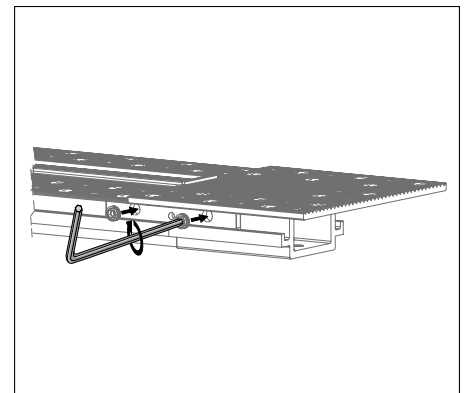
1. Place linking brackets into each side of the channel, then slide both channels end-to-end. For mitre or bevel cuts, use the angled linking brackets respectively.

Use a hex key to fasten.



2. Place linking brackets into the channel, then slide the powered end cap.

Use a hex key to fasten.



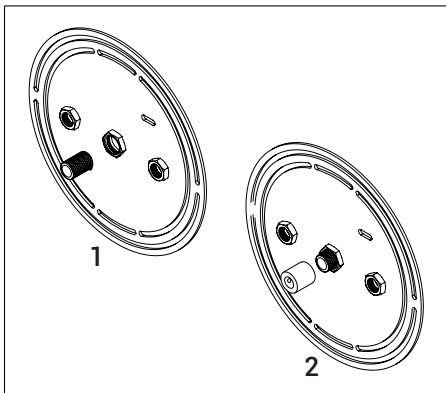
3. Place the non-powered end cap on the other end where there will be no power.

Use a hex key to fasten.

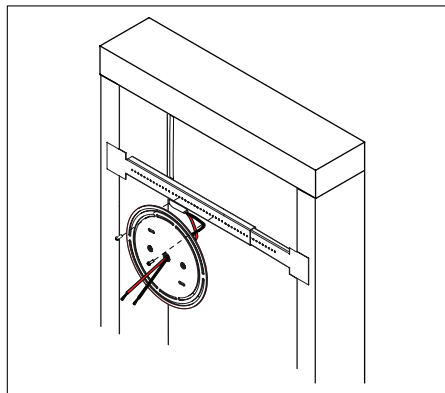
# ALLOY LED® Installation Instructions

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

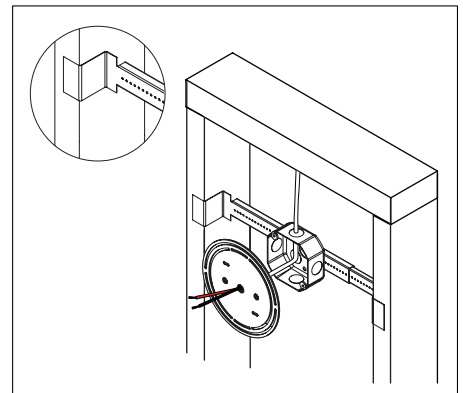
### MOUNTING MUDR POWERED END CAP KIT



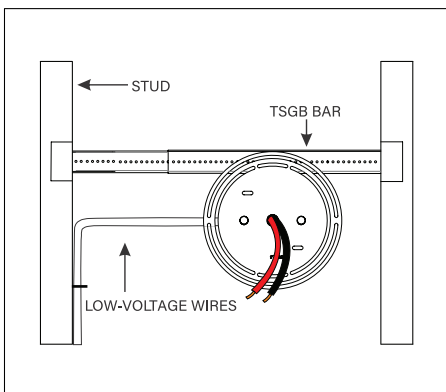
1. Screw the threaded pipe into the threaded middle hole for Powered End cap. Add the wire strain relief to the end of the threaded pipe behind the mounting plate.



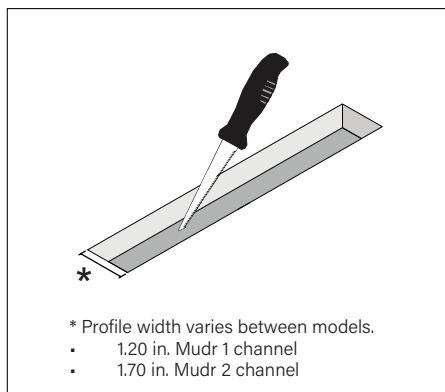
2. Mount TSGB flush to the back surface of the drywall and the front surface of the studs with screws.



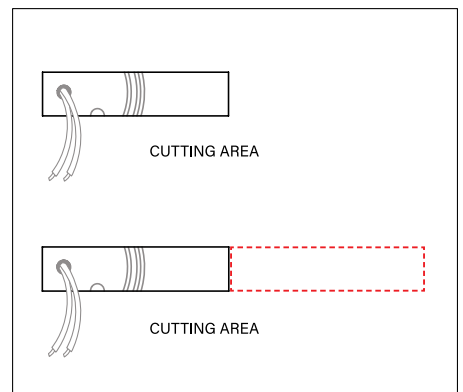
3. (B) If a higher gauge than 20 AWG cable is required, use a junction box for this installation. Bend the TSGB so that the junction box is flush against the back surface of the drywall that will be installed.



4. Pass the low-voltage wires through the strain relief. Let the wire protrude from the threaded pipe by about 6 inches and tighten the strain relief nylon set screw.



5. Mark on the drywall where the wires will be exposed and cut the section using a jab saw to expose the mounting plate.

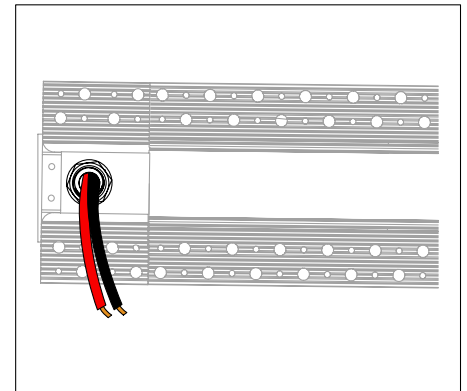
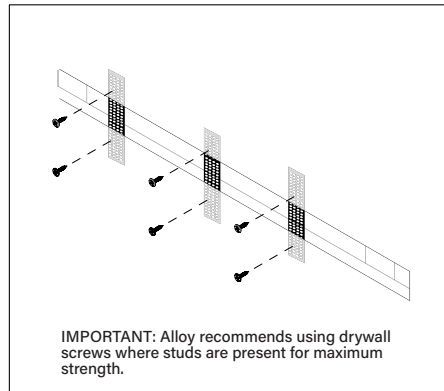
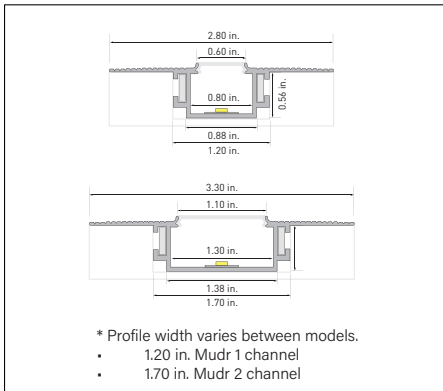


6. Install the drywall. Use the assembled fixture as a guide to mark on the wall where the fixture is to be mounted. Ensure that the hole in the powered endcap aligns with the threaded pipe.



## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

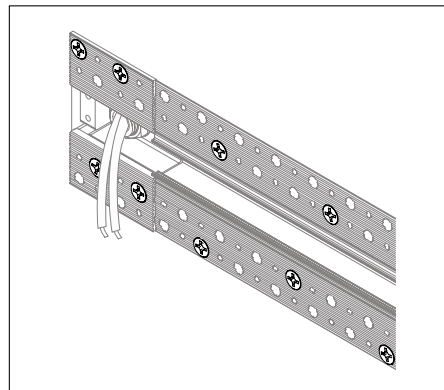
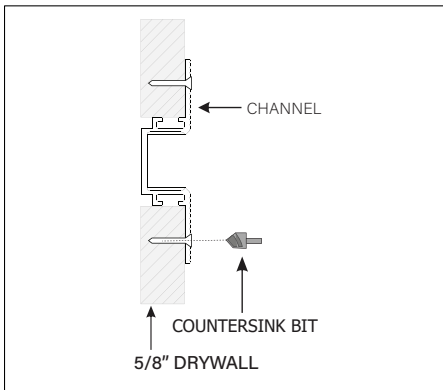
### MOUNTING MUDR POWERED END CAP KIT



1. Cut out the marked area matching the length and width of the channel allowing channel wings to rest on the outside.

2. If the installation area does not cross studs, please use optional drywall anchor. Install a drywall anchor behind the drywall every 36 in. where studs are not available.

3. Thread wire through the hole of the Powered End cap. Insert into the precut drywall, aligning the hole of the powered end cap with the protruding threaded pipe. Secure the powered end cap by attaching the lock washer and hex nut to the threaded pipe. Use flat pliers to tighten the nut.

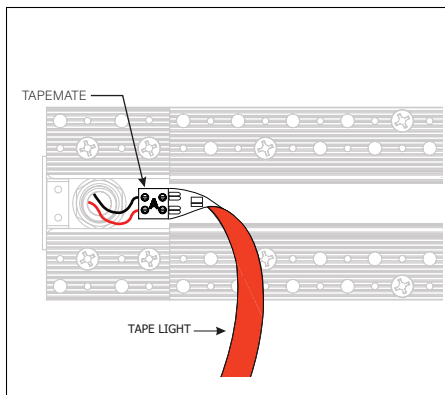


4. Use a countersink bit to ensure all screw heads are flush with the channel surface.

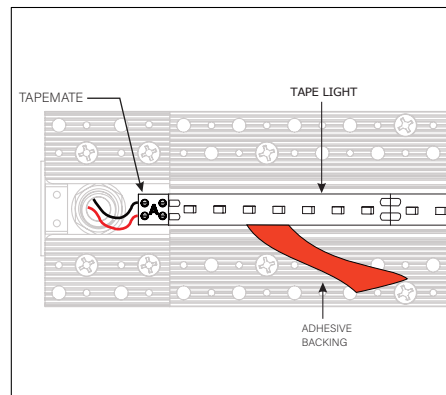
5. Use supplied 5/8 in. drywall screws around Powered End cap to ensure the screws do not impact the mounting plate. Properly secure the complete fixture to drywall by using standard drywall screws.

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

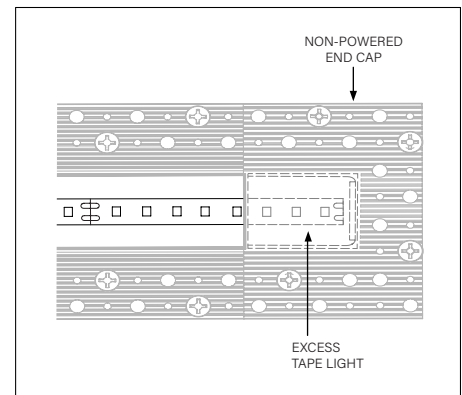
### ADD LED TAPE LIGHT AND LENS COVER TO MUDR POWERED END CAP KIT



1. Wire tape light to electrical supply using TapeMate. Secure the TapeMate using the included 3M VHB tapes.

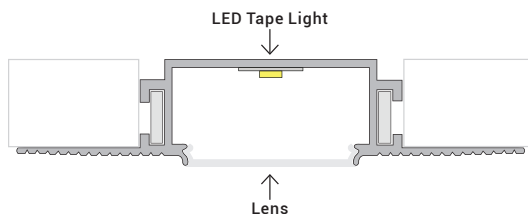


2. Insert the tape light into the channel by peeling off the covering of the tape light's adhesive backing and pressing the tape in a straight line.



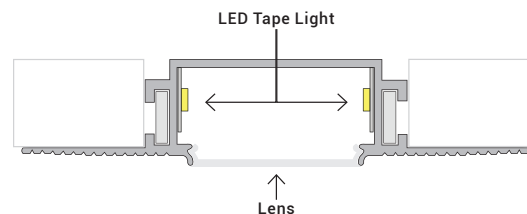
3. Tuck excess tape light into the Non-Powered End cap (optional). If not using non-powered end cap tuck excess tape into wall or behind channel.

#### Wrapping and Straight Configurations

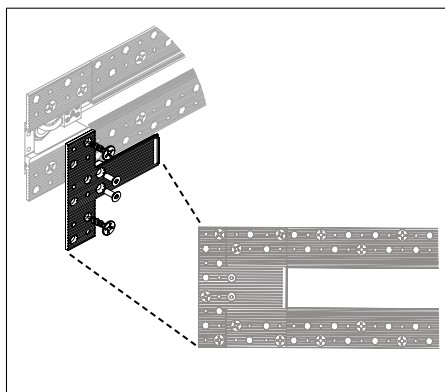


- For wrapping configurations, install the tape light at the bottom of the channel.
- Gently bend the LED strip 90° for inside or outside configurations.

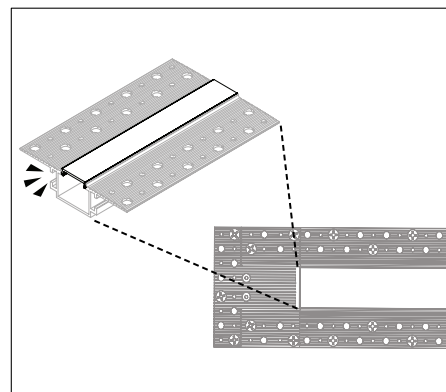
#### Zig-Zag Configuration



- For zig-zag configurations, install the tape light on both sides of the channel. Be sure to install the tape light as close to the bottom of the channel as possible.
- Gently bend the LED strip 90° at the corners.



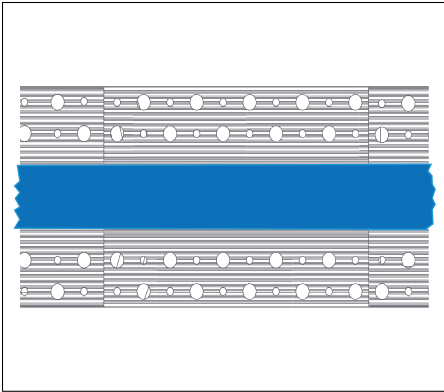
4. Secure powered endcap cover with hex screws provided. Screw powered endcap cover to drywall using supplied 5/8 in. drywall screws.



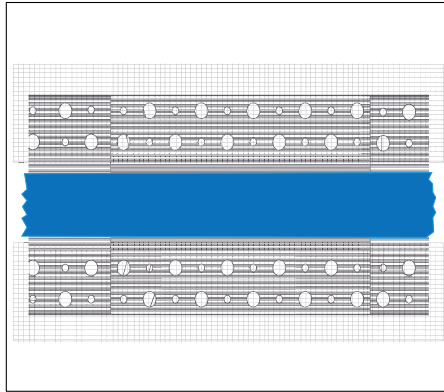
5. Insert lens cover by firmly pressing one edge into the channel. Continue along the channel until the lens is securely in place.

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

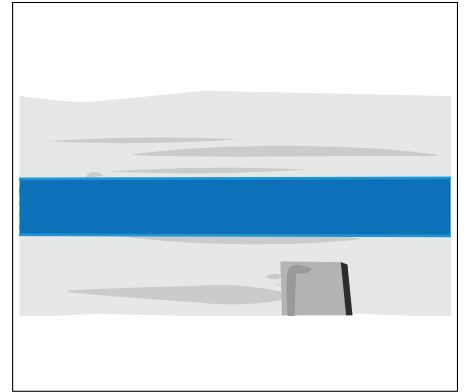
PLASTER, SAND AND PAINT



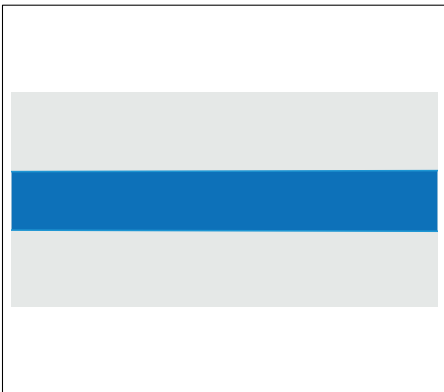
1. Cover the center of the fixture with painter's tape along the lens cover.



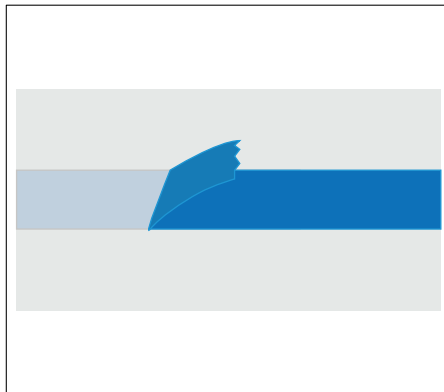
2. Apply drywall tape along the edges of the fixture to prevent the joint compound from cracking after installation, and smooth the tape flush.



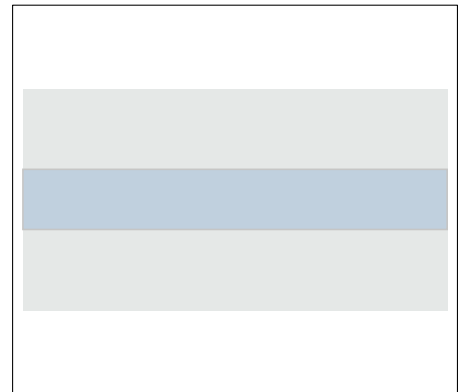
3. Apply joint compound mud to the mud-in flanges with a joint knife, covering the flanges and screw heads, and smooth the mud joint.



4. Once dry, use the hand sander to smooth the mud to make a seamless look with the drywall.



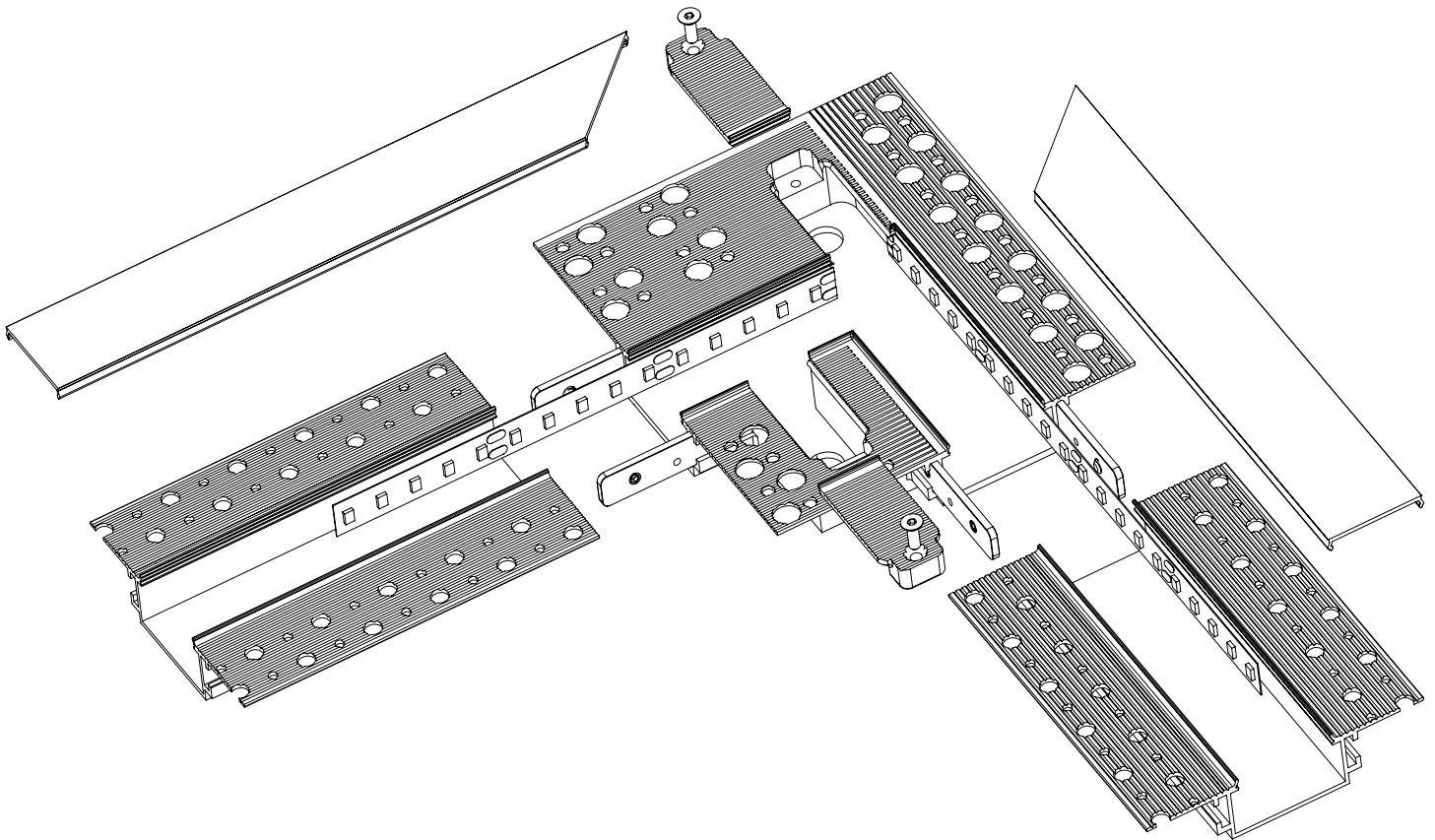
5. Paint the wall and wait until it is dry. Then remove the painter's tape.



## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

### POWERED CORNER KIT INSTALLATION

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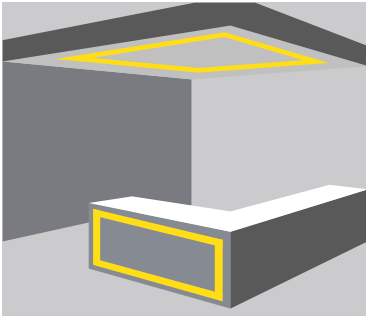


## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

### DETERMINE LENGTH WITH MUDR POWERED CORNER KIT

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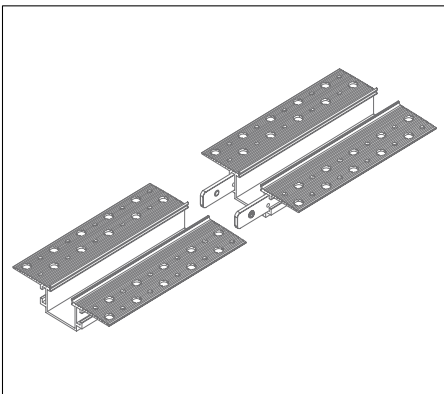
#### Picture Frame Configuration (Miter Cut)



- Determine the length of the channel. Each channel section is miter cut at a 45° angle from the outer corner.

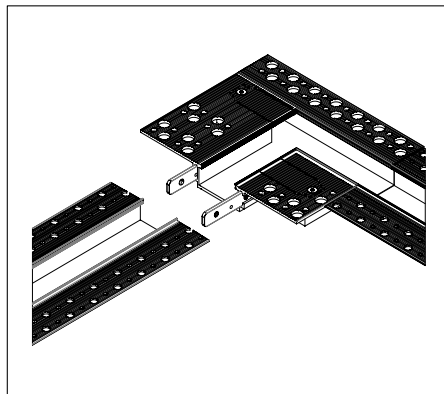
### LINKING SYSTEM WITH MUDR POWERED CORNER KIT

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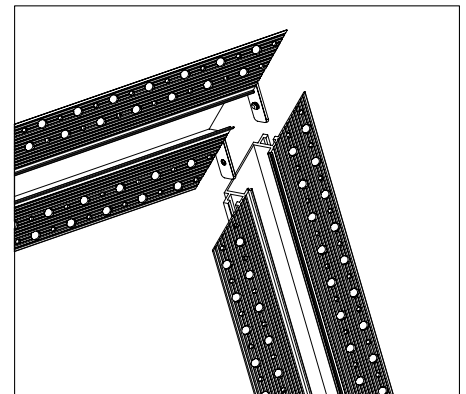
1. Place linking brackets into each side of the channel, then slide both channels end-to-end. For mitre or bevel cuts, use the angled linking brackets respectively.

Use a hex key to fasten.



2. Place linking brackets into the powered corner, then slide the channels.

Use a hex key to fasten.

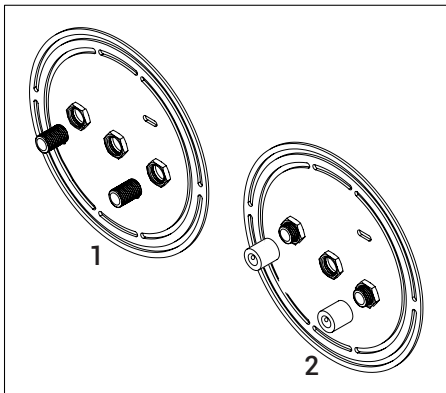


3. For mitre cuts, use the angled linking brackets respectively. Place linking brackets into each side of the channel, then slide both channels end-to-end.

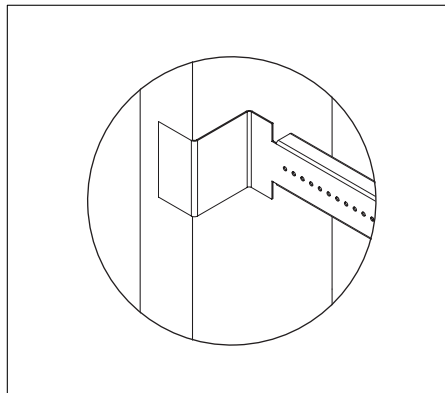
Use a hex key to fasten.

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

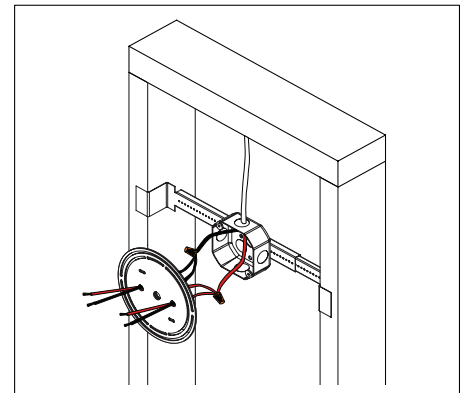
### MOUNTING MUDR POWERED CORNER KIT



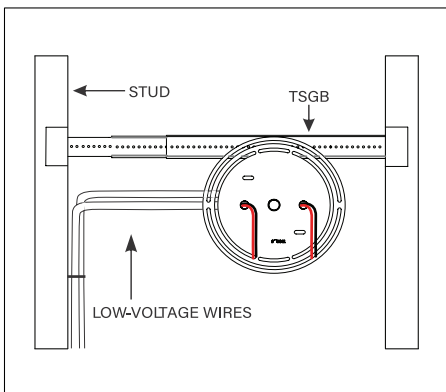
1. Screw the threaded pipes into the holes on the sides of the Powered Corner.  
Attach the wire strain reliefs to the ends of the threaded pipes behind the mounting plate.



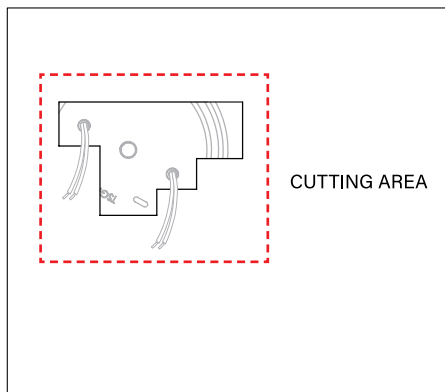
2. Bend the TSGB so that the junction box is flush against the back surface of the drywall that will be installed.



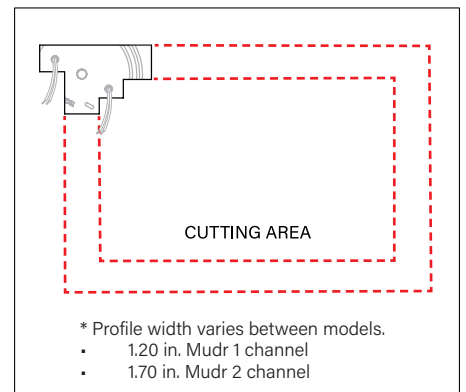
3. Split the single positive and negative wires into two connections each by splicing the low-voltage wire.



4. Pass the low-voltage wires through the strain reliefs. Let the wires protrude from the threaded pipes by about 6 inches and tighten the strain relief nylon set screws.



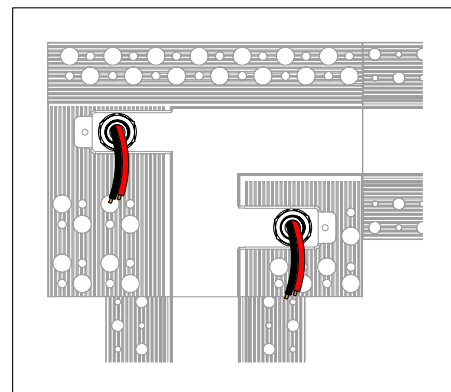
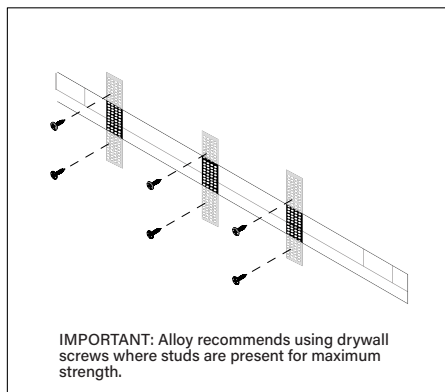
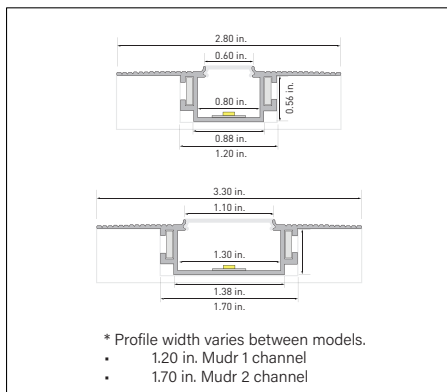
5. Mark on the drywall where the wires will be exposed and cut the section using a jab saw to expose the mounting plate.



6. Install the drywall.  
Use the assembled fixture as a guide to mark on the wall where the fixture is to be mounted. Ensure that the holes in the powered corner aligns with the threaded pipes.

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

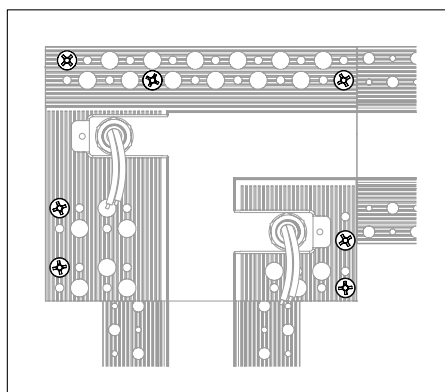
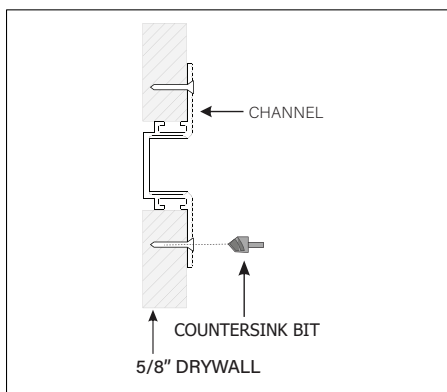
### MOUNTING MUDR POWERED CORNER KIT



1. Cut out the marked area matching the length and width of the channel allowing channel wings to rest on the outside.

2. If the installation area does not cross studs, please use optional drywall anchor. Install a drywall anchor behind the drywall every 36 in. where studs are not available.

3. Thread wires through the holes of the Powered Corner. Insert into the pre-cut drywall, aligning the holes of the powered corner with the protruding threaded pipes. Secure the powered corner by attaching the lock washers and hex nuts to the threaded pipes. Use flat pliers to tighten the nut.

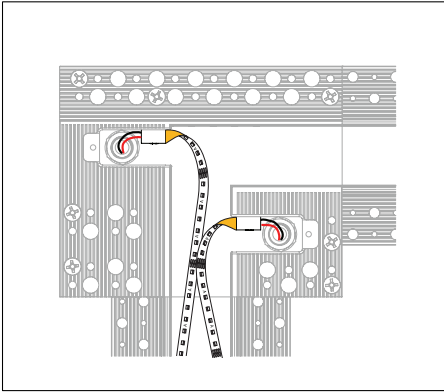


4. Use a countersink bit to ensure all screw heads are flush with the channel surface.

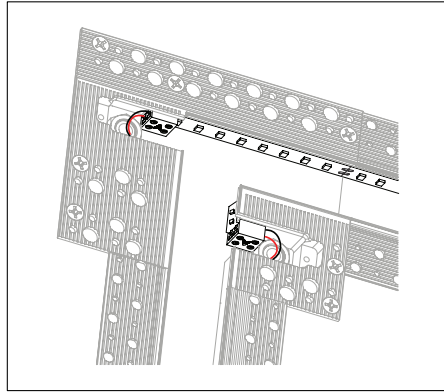
5. Use supplied 5/8 in. drywall screws around Powered Corner to ensure the screws do not impact the mounting plate. Properly secure the complete fixture to drywall by using standard drywall screws.

## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

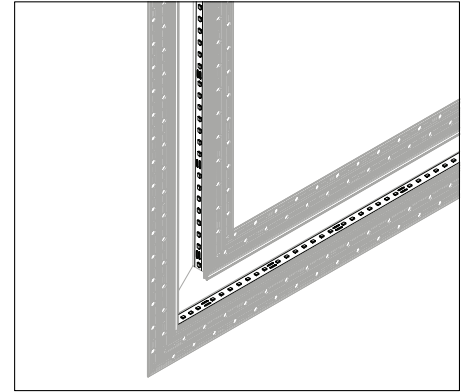
ADD LED TAPE LIGHT AND LENS COVER TO MUDR POWERED CORNER KIT



1. Wire tape light to electrical supply using TapeMate. Secure the TapeMate using the included 3M VHB tapes.

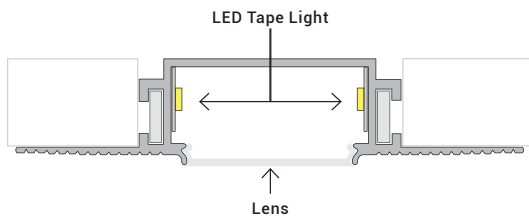


2. Insert the tape light into the channel by peeling off the covering of the tape light's adhesive backing and pressing the tape to the sides of the channel.

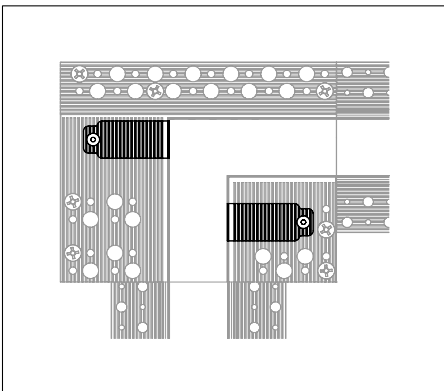


3. Gently bend the tape light 90° at the corners. Wrap the tape light around until it overlaps the beginning by approximately one inch.

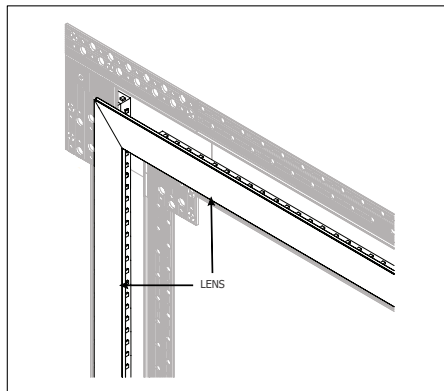
### Picture Frame Configuration



- Install the tape light on both sides of the channel. Be sure to install the tape light as close to the bottom of the channel as possible.



4. Secure powered corner cover with hex screws provided.

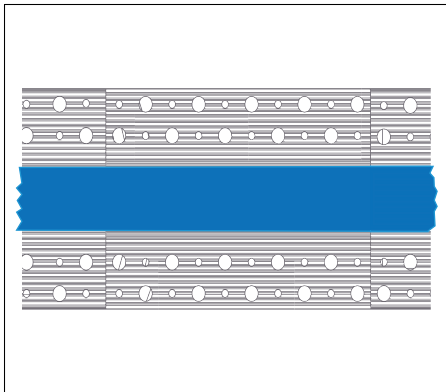


5. Insert the lens cover by firmly pressing one edge into the channel. Continue along the channel until the lens is securely in place.

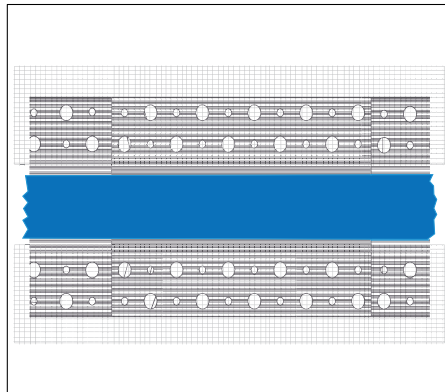


## Mudr 1 and Mudr 2 Mud-In Aluminum Channel

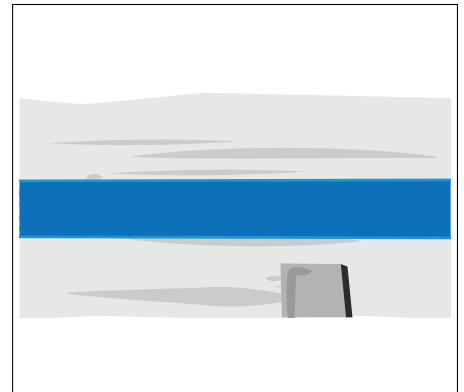
PLASTER, SAND AND PAINT



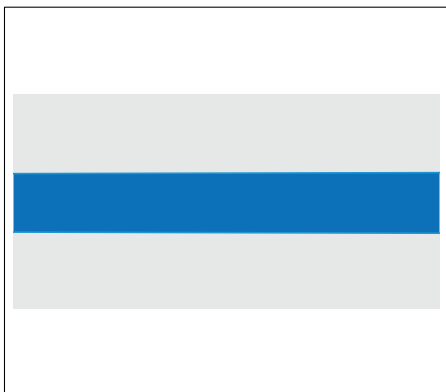
1. Cover the center of the fixture with painter's tape along the lens cover.



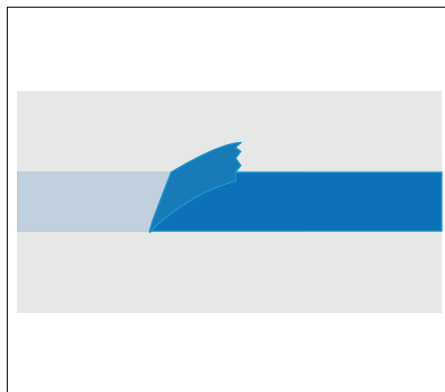
2. Apply drywall tape along the edges of the fixture to prevent the joint compound from cracking after installation, and smooth the tape flush.



3. Apply joint compound mud to the mud-in flanges with a joint knife, covering the flanges and screw heads, and smooth the mud joint.



4. Once dry, use the hand sander to smooth the mud to make a seamless look with the drywall.



5. Paint the wall and wait until it is dry. Then remove the painter's tape.

