

# Round or Square 2" Type IC Adjustable Housing with LED Lamp

E2 - I- 1.0

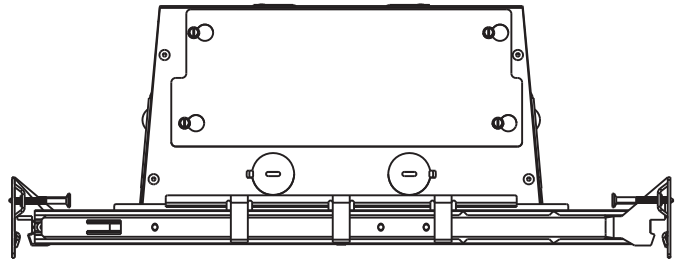


## GENERAL PRODUCT INFORMATION:

This product is suitable for indoor locations.

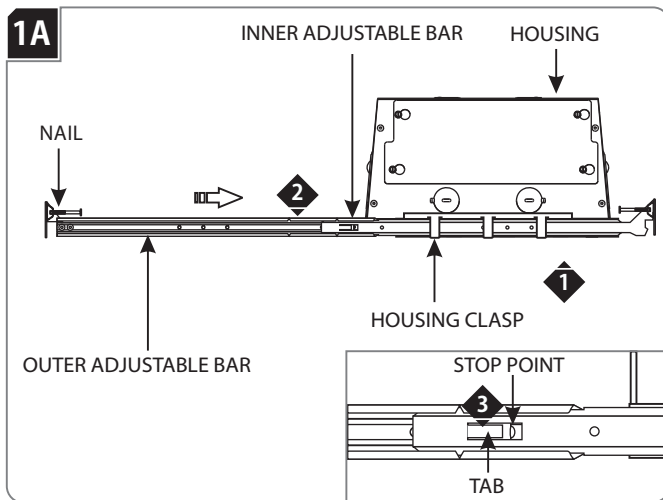
This product can be dimmed with a standard electronic dimmer.

This instruction shows a typical installation.

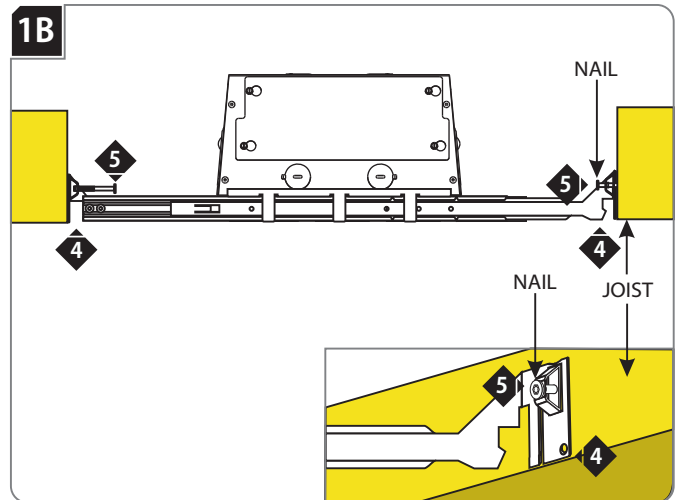


**CAUTION - RISK OF FIRE**  
 This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.  
 Use minimum 90°C supply conductors.

## Install the Housing with Adjustable Bars

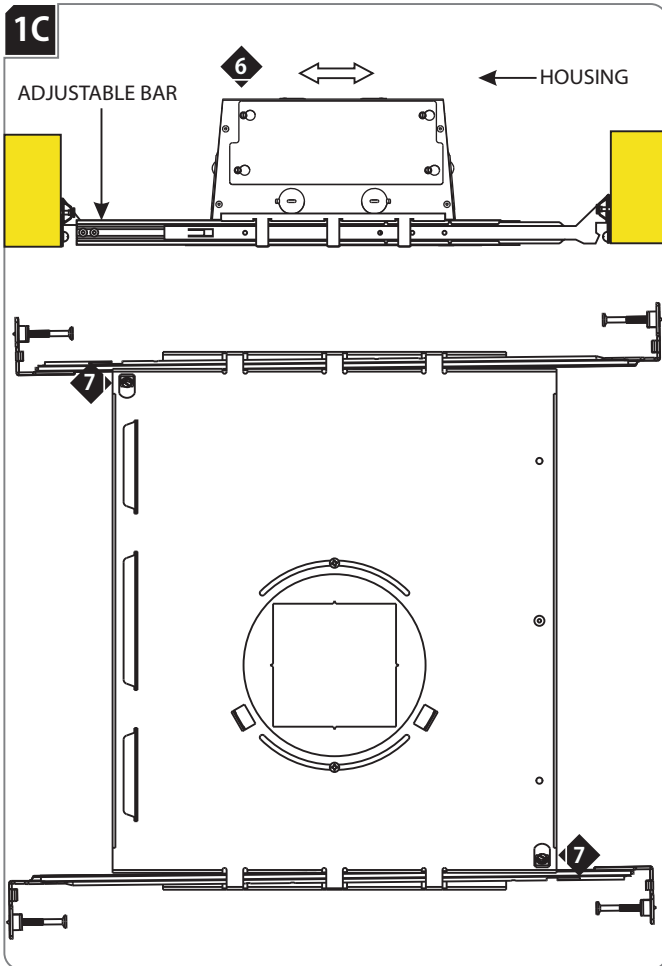


- 1 Slide the inner adjustable bar completely through the three housing clasps. Make sure the nail is on top.
- 2 Slide and push the outer adjustable bar completely onto the inner adjustable bar so that the tab clicks into place behind the stop point. This will prevent the adjustable bars from coming apart.
- 3 Repeat steps 2 & 3 for the other side of the housing.



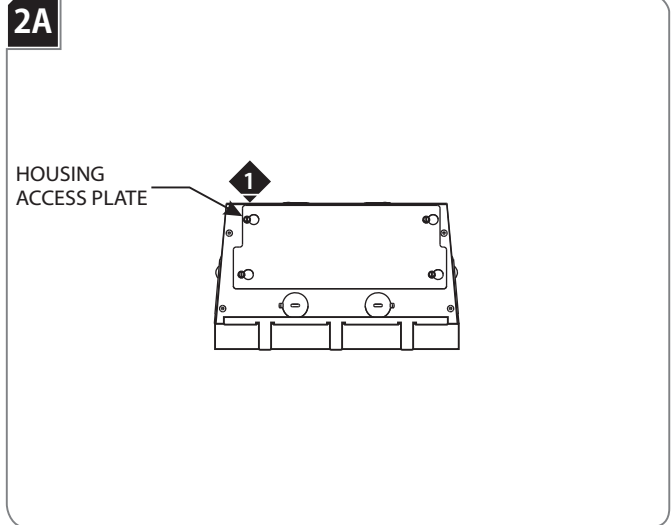
- NOTE:** The adjustable bars can be mounted to joists that are spaced 16" - 24" apart.
- 4 Align the bottom of the end plates with the bottom of the ceiling joists.
  - 5 Level the adjustable bars and, with a hammer, tap the nails completely into the joists to secure the adjustable bars in place.

## Install the Housing with Butterfly Brackets



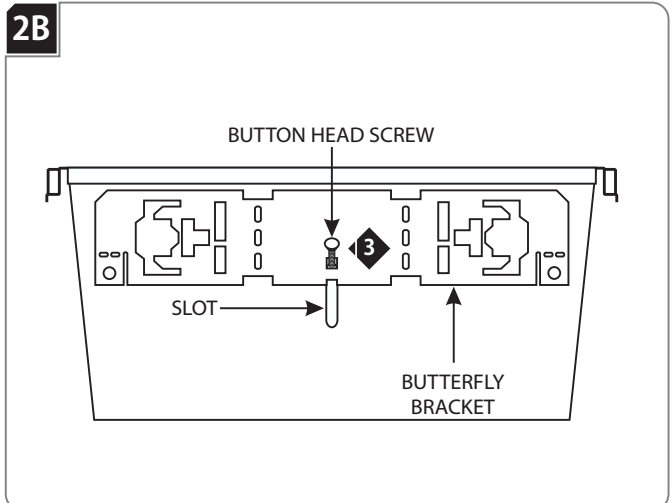
- 6 Adjust the housing position (horizontal position) by sliding the housing on adjustable bars.
- 7 When the desired location is achieved, tighten the two #6 self tapping screws to lock the housing onto the adjustable bars.

**NOTE:** See step 3 to align multiple housings using the notches.



**NOTE:** Skip this section if installing the housing with adjustable bars.

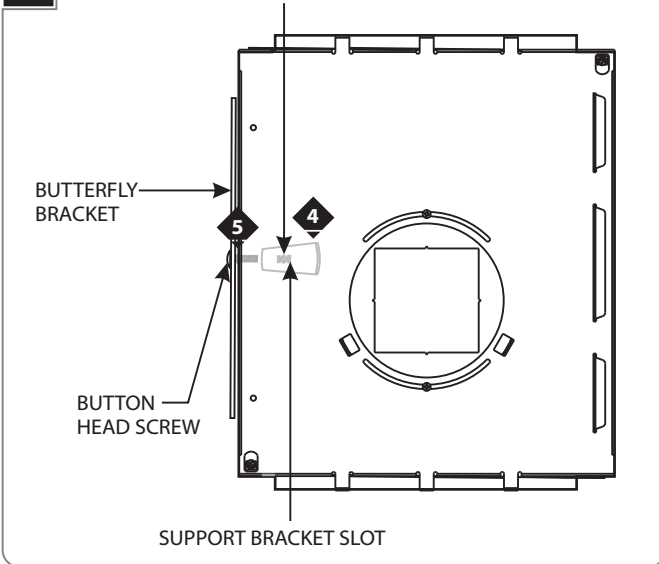
- 1 Loosen (**Do not remove**) the four screws on the side panel.
- 2 Slide access plate over so that the screws fit in the larger opening of the keyholes and pull the plate straight out.



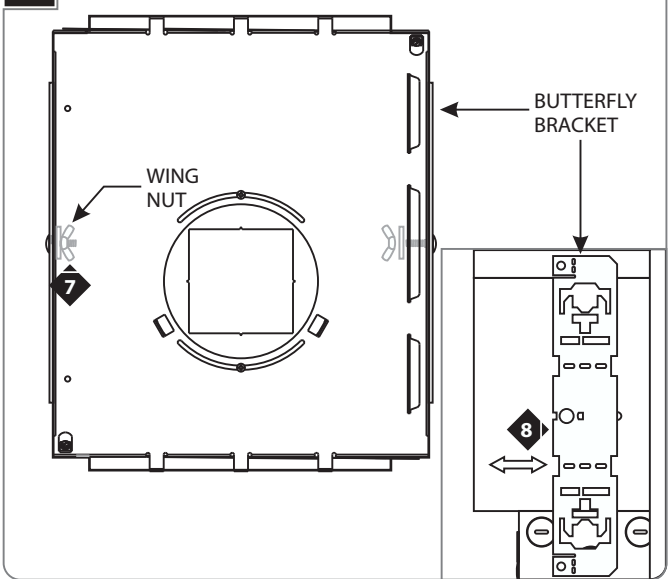
- 3 Place the button head screw through the square cut out of the butterfly bracket into the housing slot.

**2C**

SUPPORT BRACKET CENTER HOLE



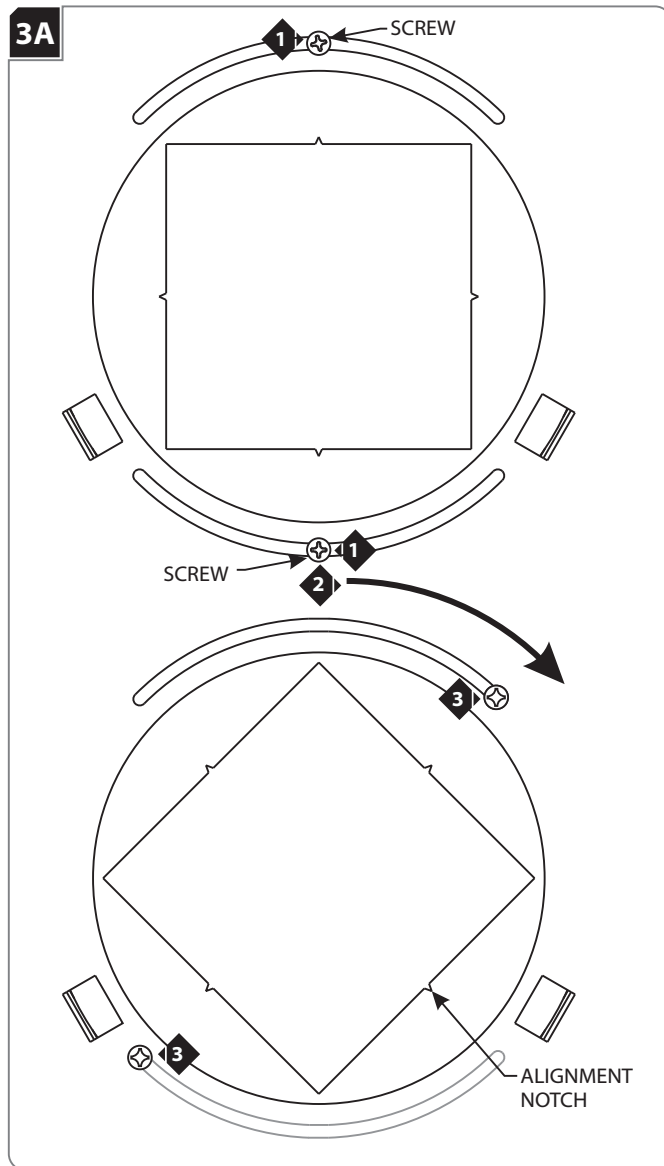
- ◆ 4 Place the support bracket center hole onto the button head screw.
- ◆ 5 Push the support bracket slots against the butterfly bracket tabs.

**2D**

- ◆ 6 Attach the wing nut loosely to the button head screw.
- ◆ 7 Slide the butterfly bracket up or down to achieve the proper location. Tighten the wing nut to secure the butterfly bracket in place.
- ◆ 8 Repeat steps 3 through 7 on for the other butterfly bracket.
- ◆ 9 Utilize the butterfly brackets to install the housing in accordance with local electrical codes.

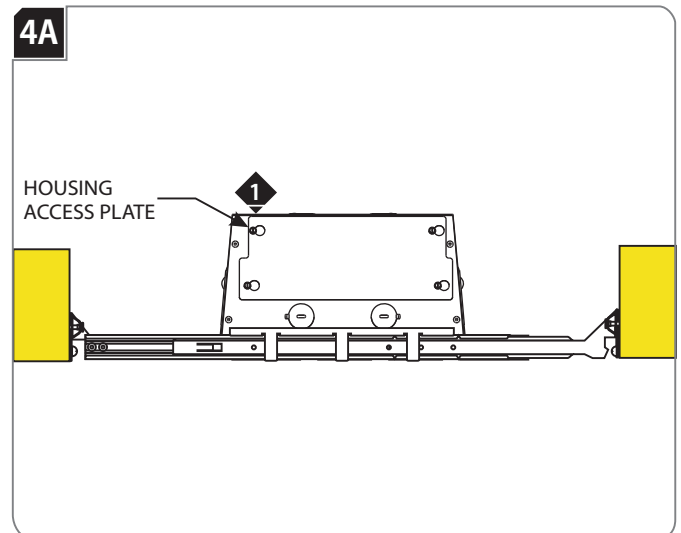
**NOTE:** Notches in trim holder can be used to align multiple housings using a laser or string.

## Align Multiple Housings (Optional)

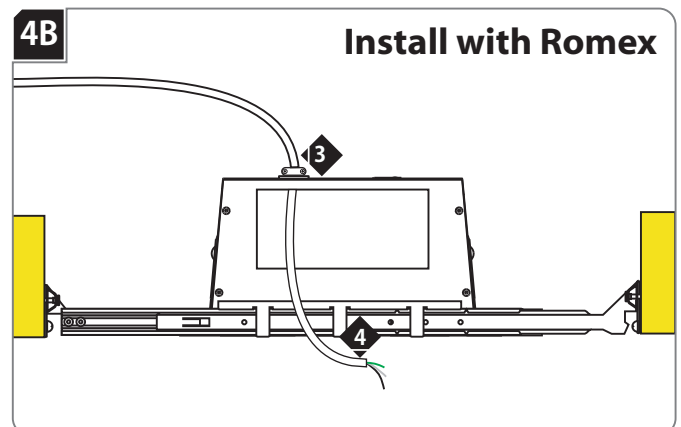


- 1 The alignment of the collars may be adjusted by using a phillips screw driver to loosen the two screws in the pan adapter.
- 2 Rotate the pan adapter (up to 45°) and align with other fixtures or square to the wall using the alignment notches in the pan adapter with a laser or string.
- 3 Re-tighten the two screws.

## Connect Power to the Housing



- 1 Loosen (**Do not remove**) the four screws on the side panel.
- 2 Slide housing access plate over so that the screws fit in the larger opening of the keyholes and pull the plate straight out.

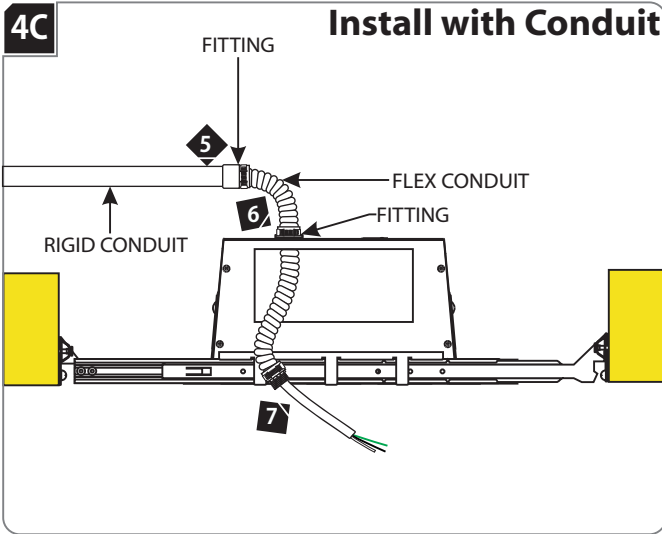


### 4B Install with Romex

**NOTE:** When using Conduit this step is not necessary, skip ahead to 4C.

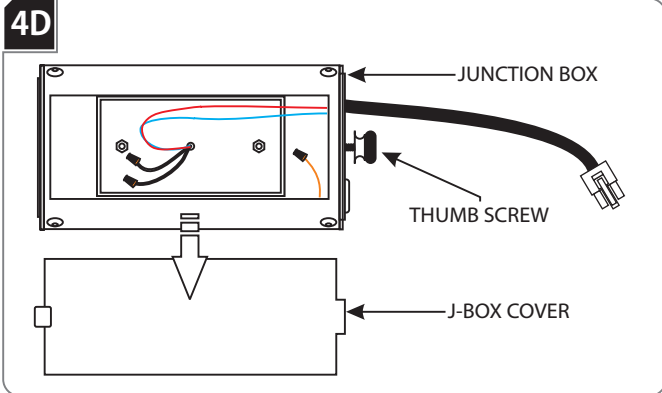
- 3 Install the Romex to the housing using lowest knock-out possible to reduce visibility.
- 4 Leave an extra 12" service loop of field wires prior to termination at J-box.

**NOTE:** When a fixture is installed in a location that requires servicing from below the ceiling through the fixture aperture, the branch circuit connections need to be able to be brought out through the aperture. To accomplish this, an NM type cable in conjunction with snap-in/push-in connectors must be used and a 12" service loop must be left available outside of the fixture housing wiring compartment to allow additional branch circuit wiring to be pulled through the snap-in/push-in connector and extended out through the aperture below ceiling level.

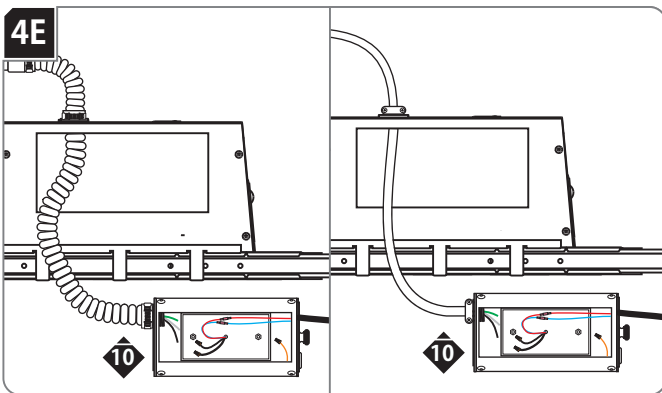


**NOTE:** When using Romex this step is not necessary, skip ahead to 4D.

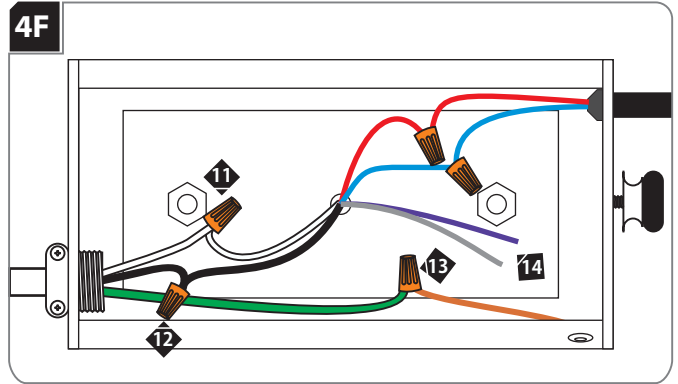
- 5 Bring rigid conduit to housing, leaving a few inches of room between the end of the conduit and the housing.
- 6 Connect provided flex conduit between the rigid conduit and the housing, leaving 12" of extra wire extending from the conduit into the housing.
- 7 Feed extra wire through provided flex conduit and secure the flex conduit to the housing using appropriate fittings.



- 8 Open the junction box by loosening the thumb screw.
- 9 Pull up on the cover to remove it.

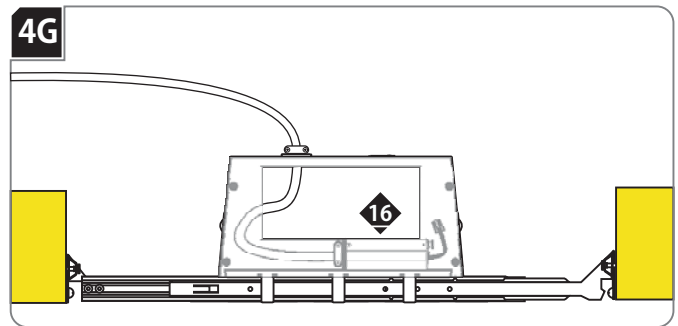


- 10 Connect flexible conduit or Romex to junction box with the proper fitting.

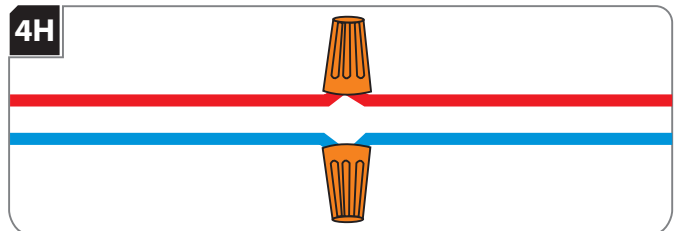


**WARNING:** No branch circuitry allowed.

- 11 Connect the neutral power line wire to the white driver wire with a wire nut.
- 12 Connect the hot power line wire to the black wire driver wire with a wire nut.
- 13 Make sure that housing is grounded in accordance with local electrical codes.
- 14 For models with a 0-10V dimming driver, use the purple and gray wire to connect to a compatible dimmer.
- 15 Replace the electrical box cover and tighten the thumb screw.



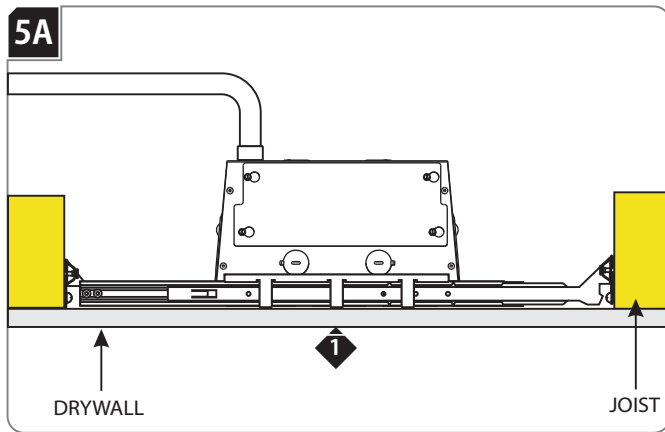
- 16 Use double sided tape provided to secure electrical box inside the housing next to the housing access plate.
- 17 Replace the housing access plate. (Reversal of 4A.)



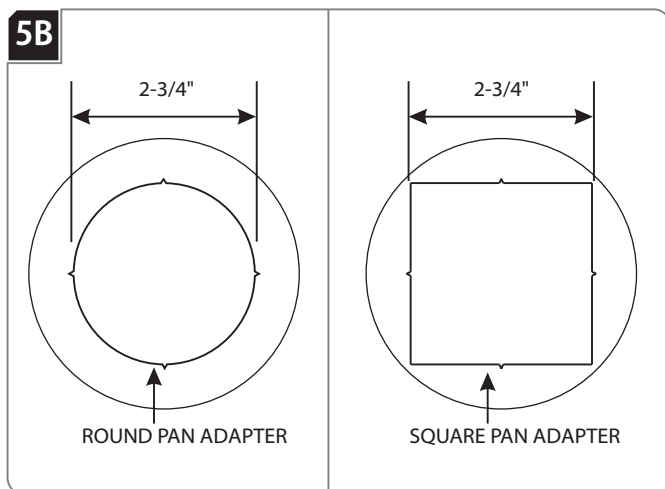
**NOTE:** For remote driver install only. Follow previous steps with the following exceptions.

- 18 Mount driver in accordance with local codes and driver instructions.
- 19 Run wires in same manner as Romex install shown in steps 4B, 4D and 4E.
- 20 Connect wires as shown in diagram above.

## Install Drywall

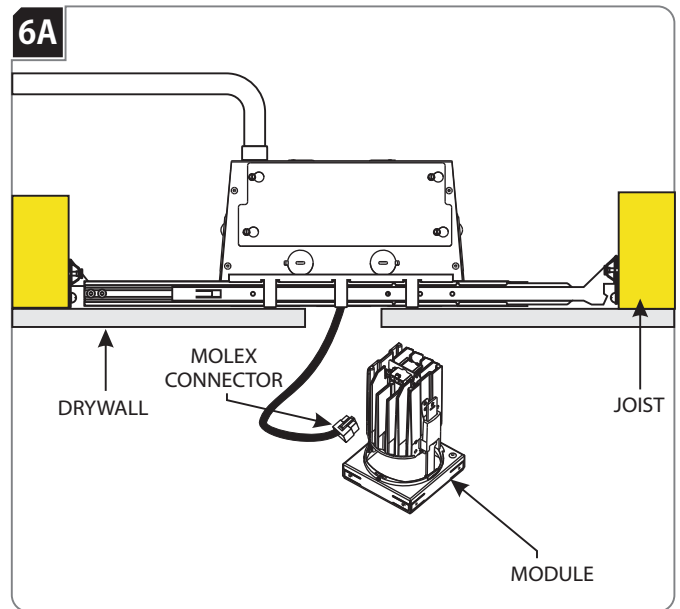


- 1 Install the drywall keeping note of the location of the housing's opening

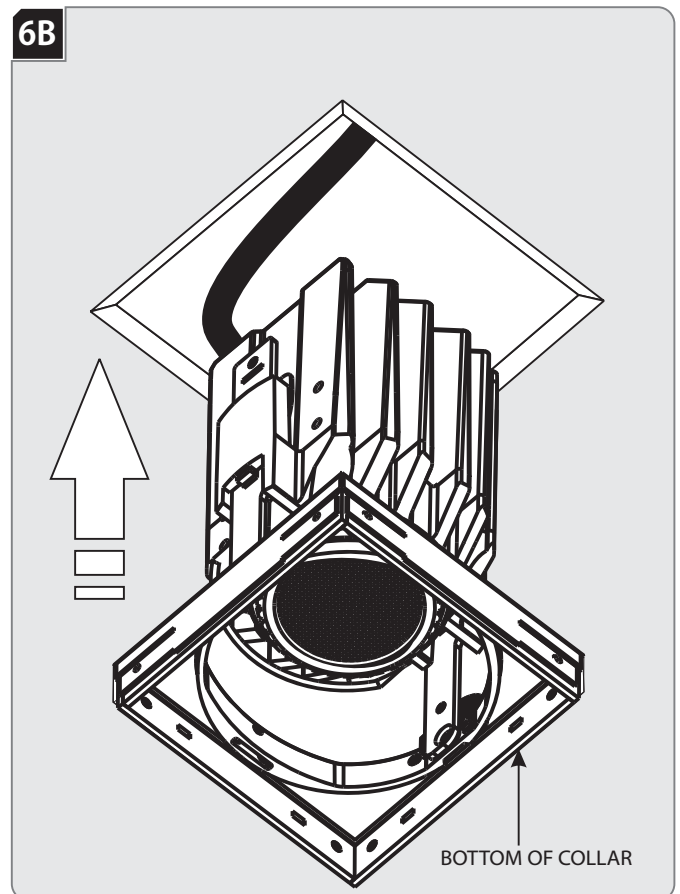


- 2 For round trims, mark the location of the 2-3/4" diameter circle on drywall. Use the inside edge of the housing pan adapter as a guide to cut the hole. For square trims, mark the location of the 2-3/4" square on drywall. Use the inside edge of the housing pan adapter as a guide to cut the hole.

## Install Module



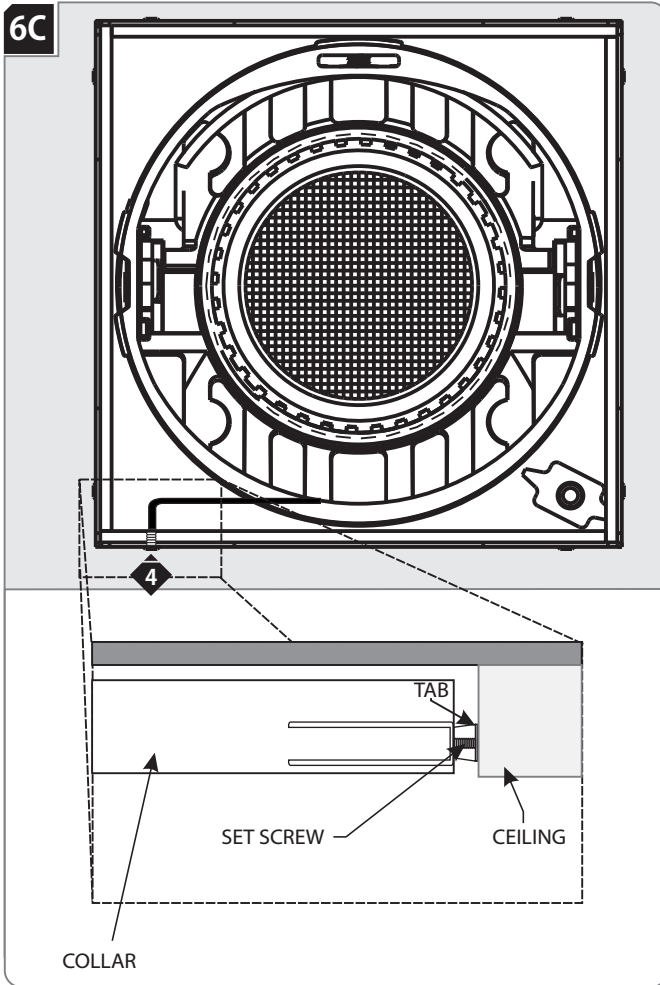
- 1 Align the molex connector with the connector on the top of the heat sink on the module.
- 2 Push the Molex connector all the way in to the connector on the module.



- 3 Push the module into the ceiling cut out until the bottom of the collar is flush with or slightly above the bottom of the ceiling.

**NOTE:** For flangeless versions push the module in until the mud plate is flush against the ceiling.

## Mud in the Plaster Plate (For flangless versions only.)



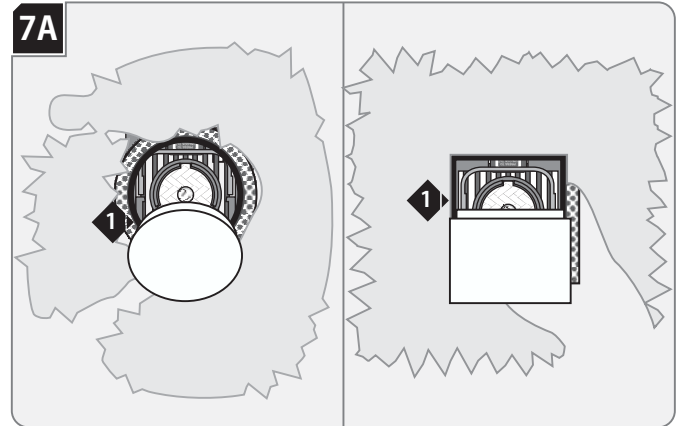
- 4 Use the provided Allen wrench and set screws to secure the collar to the ceiling, ensuring the screws are flush with the surface of the collar so they will not interfere with the trim installation.
- 5 Verify that the collar does not protrude below the ceiling using a straight edge. If so, loosen the set screws and adjust accordingly.

**NOTE:** Longer set screws have been provided for instances where the hole is cut too large.

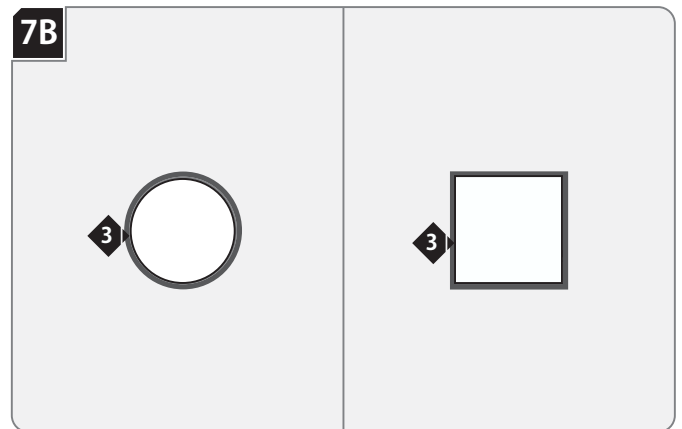
**Square** trims use **8** set screws.

**Round** trims use **3** set screws.

**NOTE:** For **flanged** versions skip ahead to **section 8**.

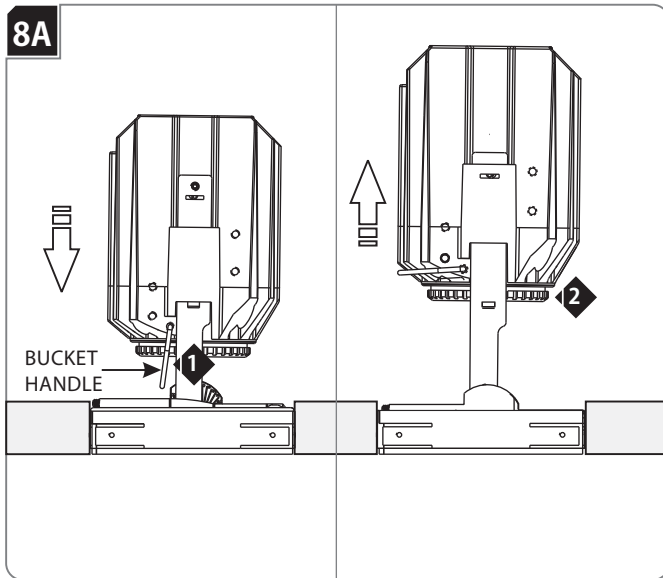


- 1 Plug the collar with the provided dust shield.
- 2 Properly plaster onto the plaster ring and drywall.

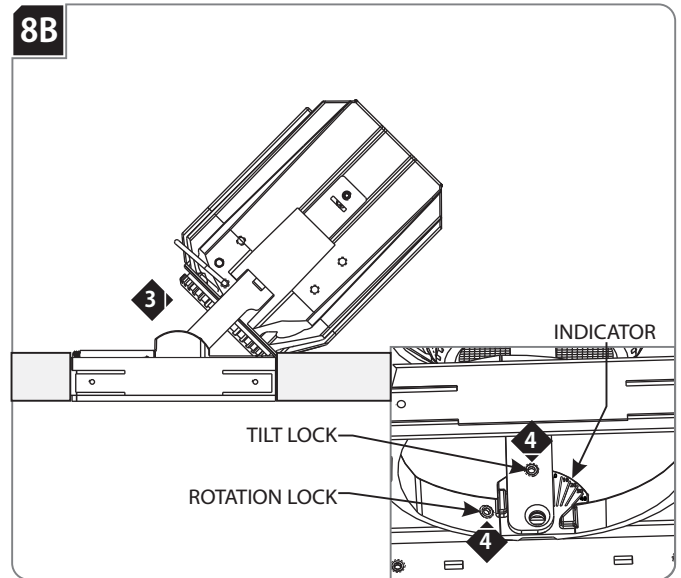


- 3 Finish around the collar to match drywall.

## Adjust the Lamp Position (Optional)



- 1 Pull down on the bucket handle to position the module in the low position.
- 2 Push up the LED and heat sink to position the module in the high position.



**NOTE:** Module can rotate 361° and tilt to 45°  
For proper wall wash positioning, tilt until 15°  
angle is reached.

- 3 Use hand to tilt and rotate the module to the desired position. Use the tilt indicator next to the support arm for a precise tilt angle.
- 4 Tighten the tilt and rotation locks with provided Allen key once desired positions have been reached. (Optional)

**SAVE THESE INSTRUCTIONS!**

**ELEMENT**

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