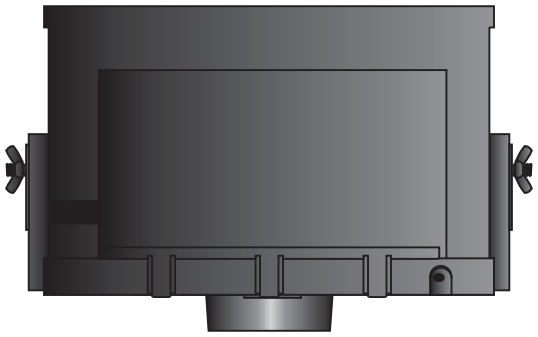
Round or Square Type Chicago Plenum Down Light Housing with CMH Electronic Ballast for Flanged Trims

E3_F_-C_DC_ 1.3

ELEMENT
a brand of TECH LIGHTING

CMH MR16 - ROUND/SQUARE FLANGELESS



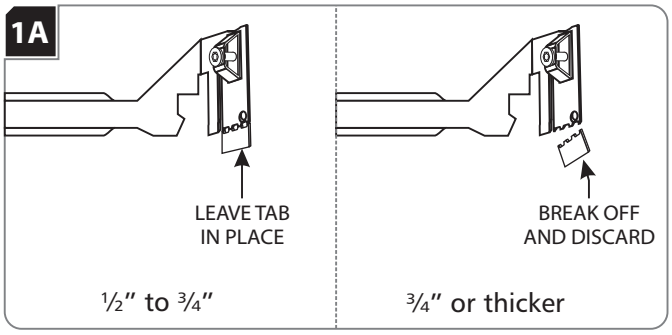
GENERAL PRODUCT INFORMATION:

This instruction shows a typical installation.

Intertek

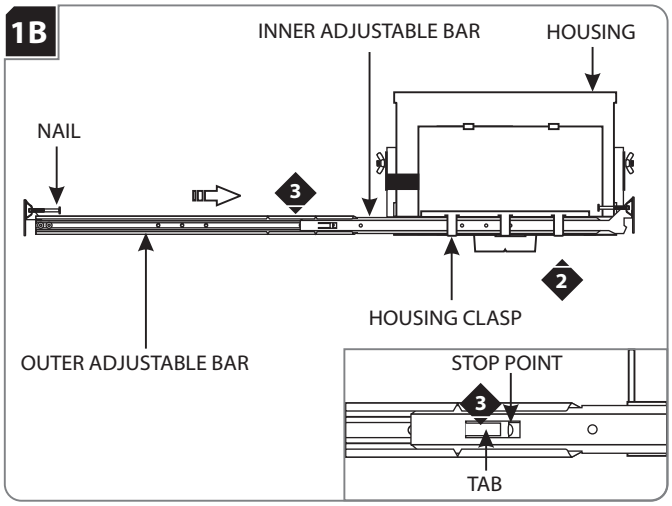
CAUTION - RISK OF FIRE
This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
Use minimum 90°c supply conductors.

Install the Housing with Adjustable Bars



NOTE: Skip this section if installing the housing with butterfly brackets.

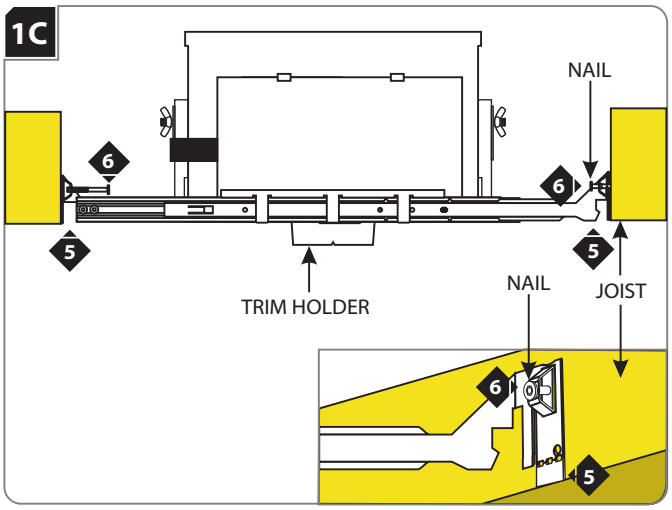
1. **Keep Tab for ceiling ½" to ¾" thick.**
When using adjustable hanger bars with ½" to ¾" thick ceilings, leave the tab of the hanger bars in place.
Break off Tab for ceiling ¾" or thicker.
When using adjustable hanger bars with ¾" or thicker ceilings, remove the tab by bending it at the perforation.



2. Slide the inner adjustable bar completely through the three housing clasps. Make sure the nail is on top.

3. 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.

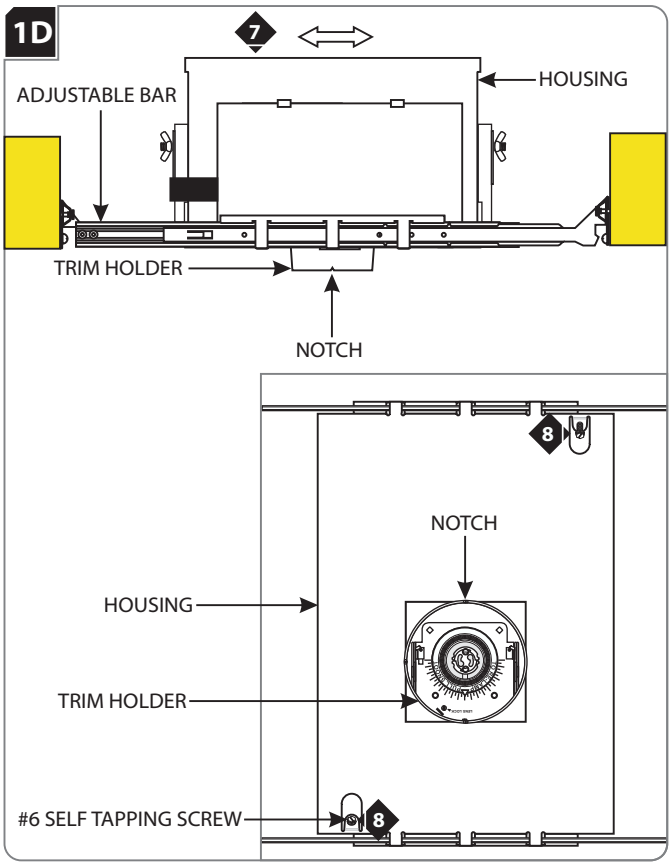
4. Repeat steps 2 & 3 for the other side of the housing.



NOTE: The adjustable bars can be mounted to joists that are spaced 16" - 24" apart.

5 Align the bottom of the end plates with the bottom of the ceiling joists.

6 Level the adjustable bars and, with a hammer, tap the nails completely into the joists to secure the adjustable bars in place.

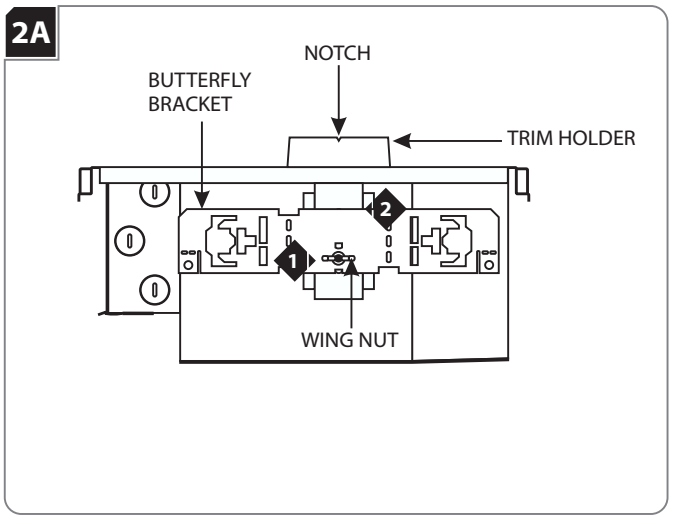


7 Adjust the trim holder position (horizontal position) by sliding the housing on adjustable bars.

8 When the desired location is achieved, tighten the two #6 self tapping screws to lock the housing onto the adjustable bars.

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

Install the Housing with Butterfly Brackets

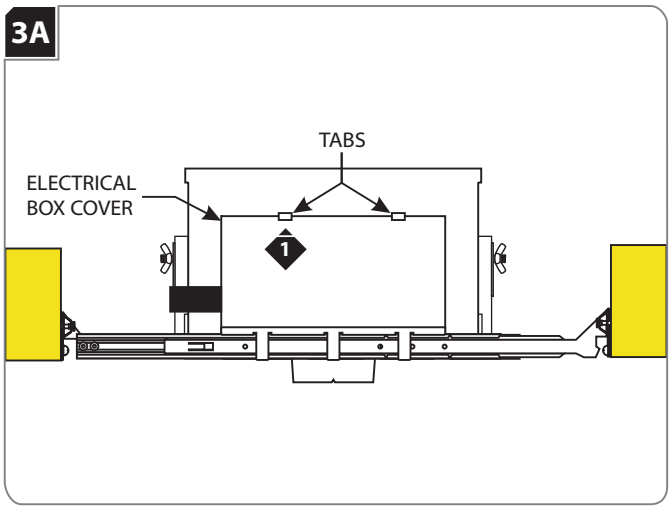


NOTE: Skip this section if installing the housing with adjustable bars.

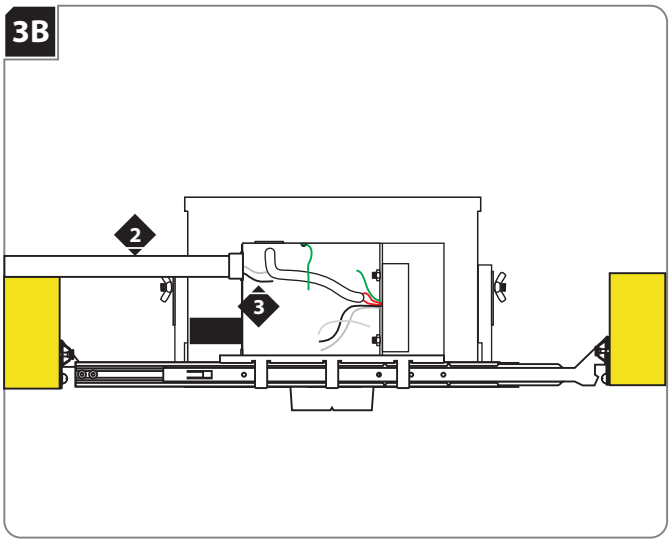
1. Slightly loosen the wing nut to slide the butterfly bracket up or down.
2. After achieving the proper location, tighten the wing nut to secure the butterfly bracket in place.
3. Repeat steps 1 and 2 on for the other butterfly bracket.
4. Utilize the butterfly brackets to install the housing in accordance with local electrical codes.

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

Connect Power to the Housing



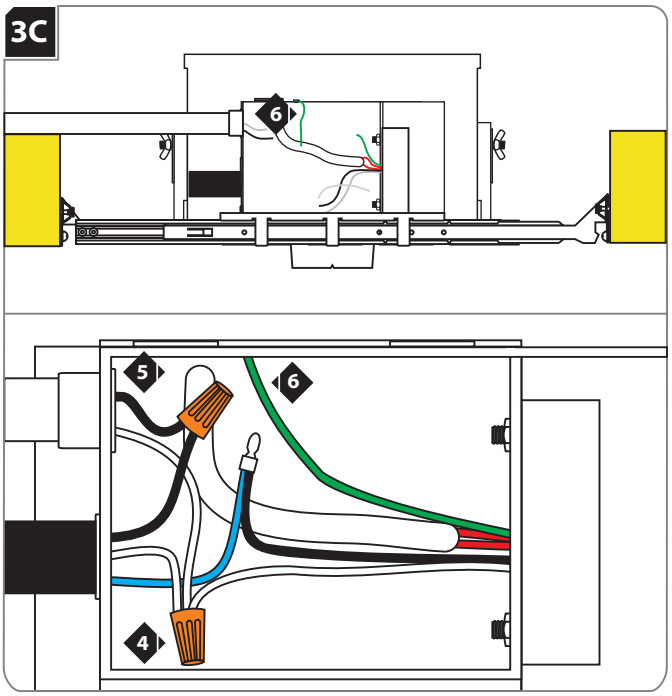
1. Push up on the tabs on the electrical box and remove the electrical box cover.



2. Install the conduit to the housing electrical box.
3. Run the power line wires into the housing electrical box.

WARNING: RISK OF FIRE: When using the housing electrical box for power feed through, use **MAX** 4 - #12 AWG, or 6 - #14 AWG branch circuit wires.

Install the Lamp & Lens Accessories

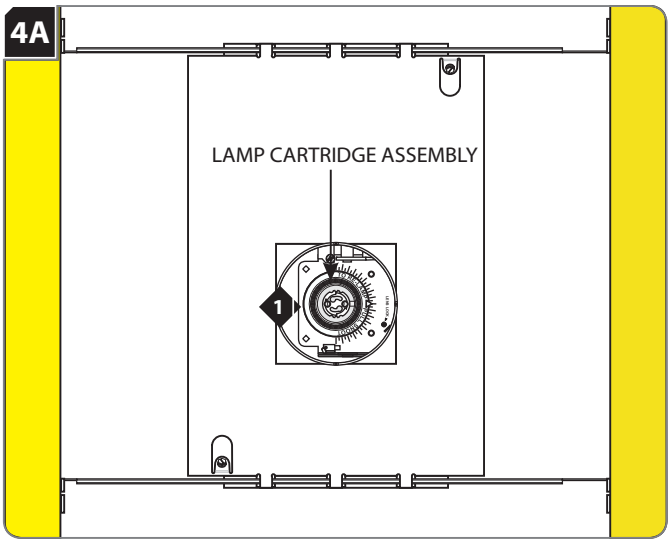


4 Connect the neutral power line wire to the white transformer wire and the white thermal protector wire with a wire nut.

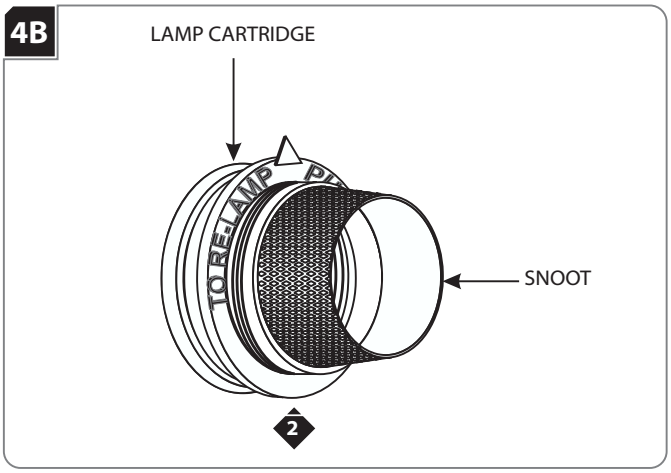
5 Connect the hot power line wire to the black thermal protector wire with a wire nut.

6 Connect the fixture ground wire and the green transformer wire to a suitable ground according to local electrical codes.

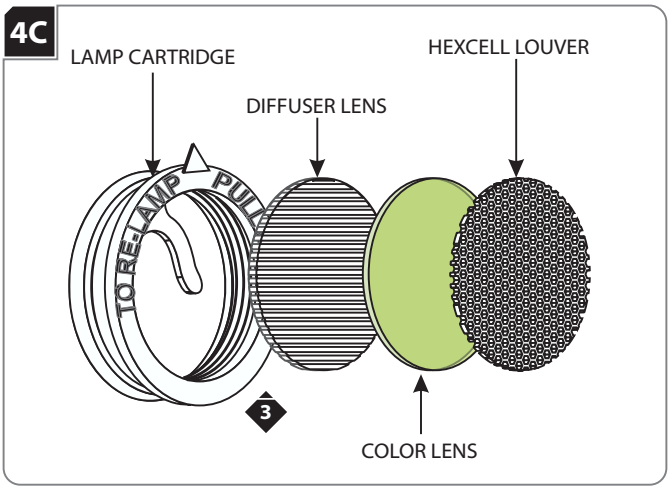
7 Replace the electrical box cover. Make sure that the top edge of the cover snaps under the tabs.



1 Pull the snoot to remove the lamp cartridge assembly.

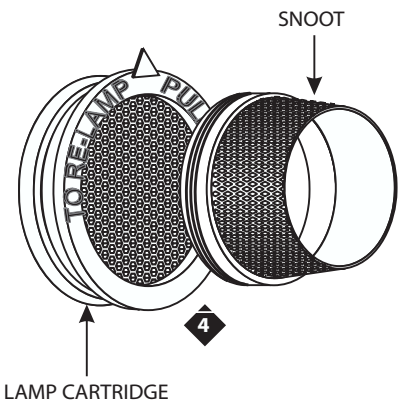


2 Unscrew the snoot from the lamp cartridge.



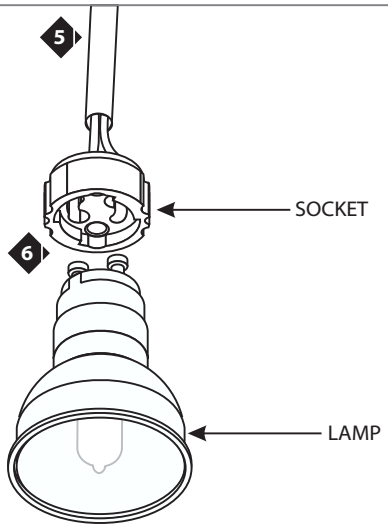
3 Place a maximum of three accessories (optional) into the lamp cartridge.

4D



4 Replace and tighten the snoot completely to the lamp cartridge.

4E



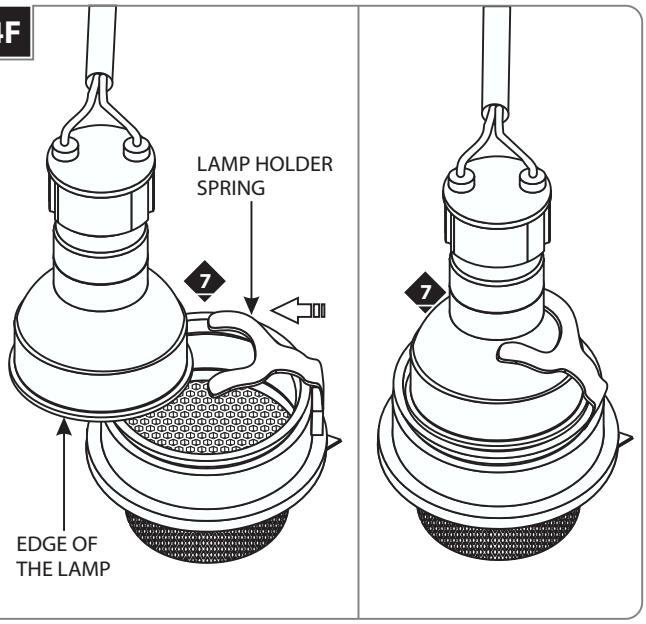
Use **ONLY** 120 Volt, **20 Watt** GX10 Base MR16 Ceramic Metal Halide lamp with models E3RFB-C20DC_, E3RFF-C20DC_, E3SFB-C20DC_, E3SFF-C20DC_.

Use **ONLY** 120 Volt, **39 Watt** GX10 Base MR16 Ceramic Metal Halide lamp with models E3RFB-C39DC_, E3RFF-C39DC_, E3SFB-C39DC_, E3SFF-C39DC_.

5 Pull out the socket from the lamp housing.

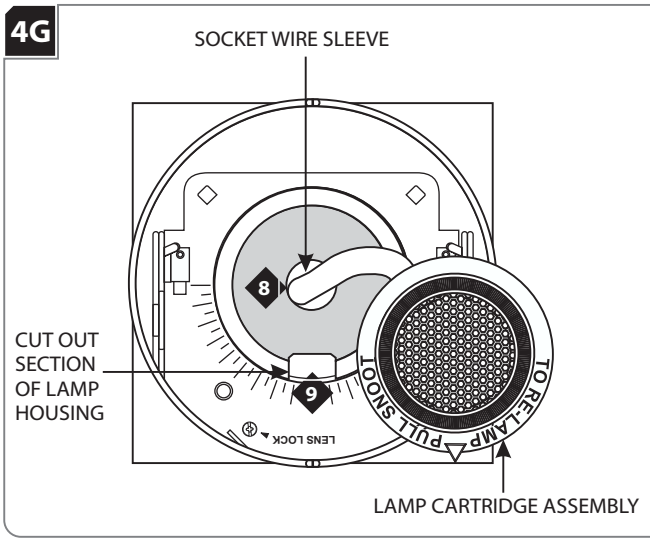
6 Push the lamp pins into the large portion of the socket slots and rotate the lamp clockwise to lock it in place securely.

4F



7 Slide the lamp holder spring completely onto back of the MR16 lamp so that the edge of the lamp snaps into the lamp cartridge assembly.

4G

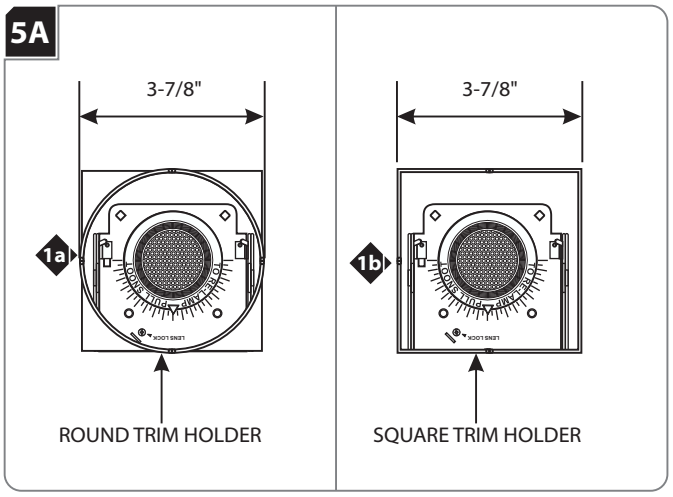


8 Feed the socket wire sleeve back into the lamp housing.

9 Align the arrow indicator on the lamp cartridge assembly with the cut out section of the lamp housing. Push to snap the lamp cartridge assembly into the lamp housing.

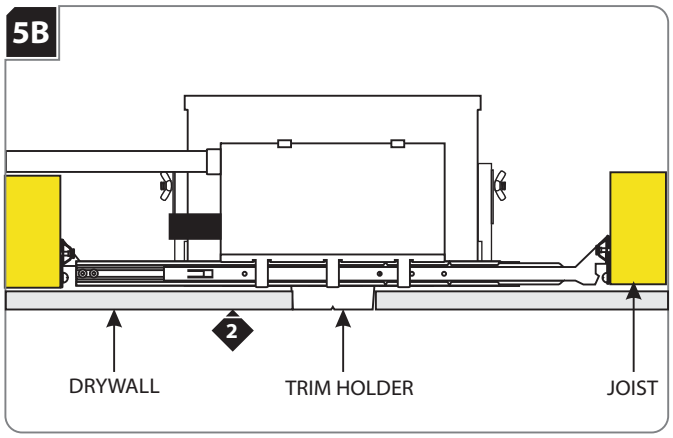
TIP: Before installing ceiling, power up and run the Element fixture(s) for 10 minutes to make sure all electrical connections are tight.

Install Drywall or Suspended Ceiling



1a For housings with round trim holder, mark a 3-7/8" diameter circle on drywall (or acoustic panel). Cut out the marked section.

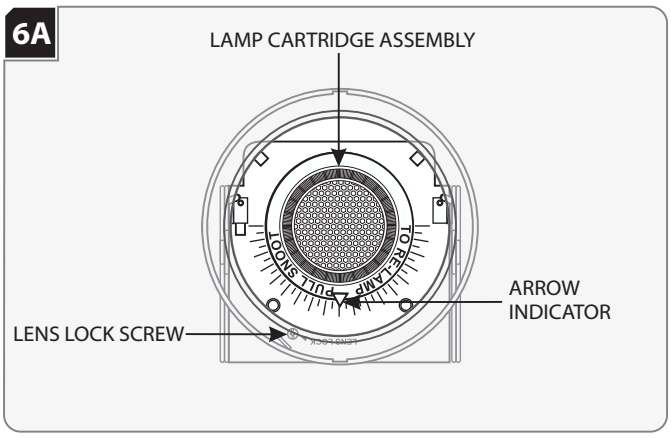
1b For housings with square trim holder, mark a 3-7/8" square on drywall (or acoustic panel). Cut out the marked section.



2 Align the cut out section of drywall with the trim holder and install drywall.

WARNING: **Risk of Fire:** The housing is not intended to be in contact with or covered with combustible materials and insulation. Do not install insulation within 3 inches of the housing sides or above in such a manner to entrap heat.

Adjust the Lamp Housing



NOTE: Lamp cartridge assembly can rotate 180° horizontally. Lines on lamp housing are 5° apart.

1 Rotate the lamp cartridge assembly to desired position (angle). Lock the lamp cartridge assembly by tightening the lens lock screw.

SAVE THESE INSTRUCTIONS!

ELEMENT
a brand of TECH LIGHTING

7400 Linder Ave, Skokie, IL 60077
847.410.4400
www.element-lighting.com

© 2014 Tech Lighting, L.L.C. All rights reserved. The "Element" graphic is a registered trademark of Element. Element reserves the right to change specifications for product improvements without notification.

A Generation Brands Company