Build Your Own Multiples

EBY_   1.5

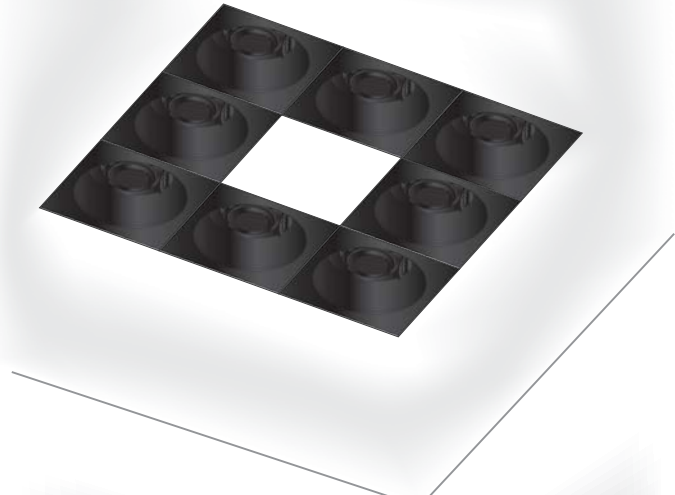# ELEMENT
by Tech Lighting®

GENERAL PRODUCT INFORMATION:

c **ETL** us
LISTED
Intertek

This product is suitable for damp locations.

This product can be dimmed with a standard electronic dimmer or a 0-10V dimmer depending on the wiring configuration.

This instruction shows a typical installation.
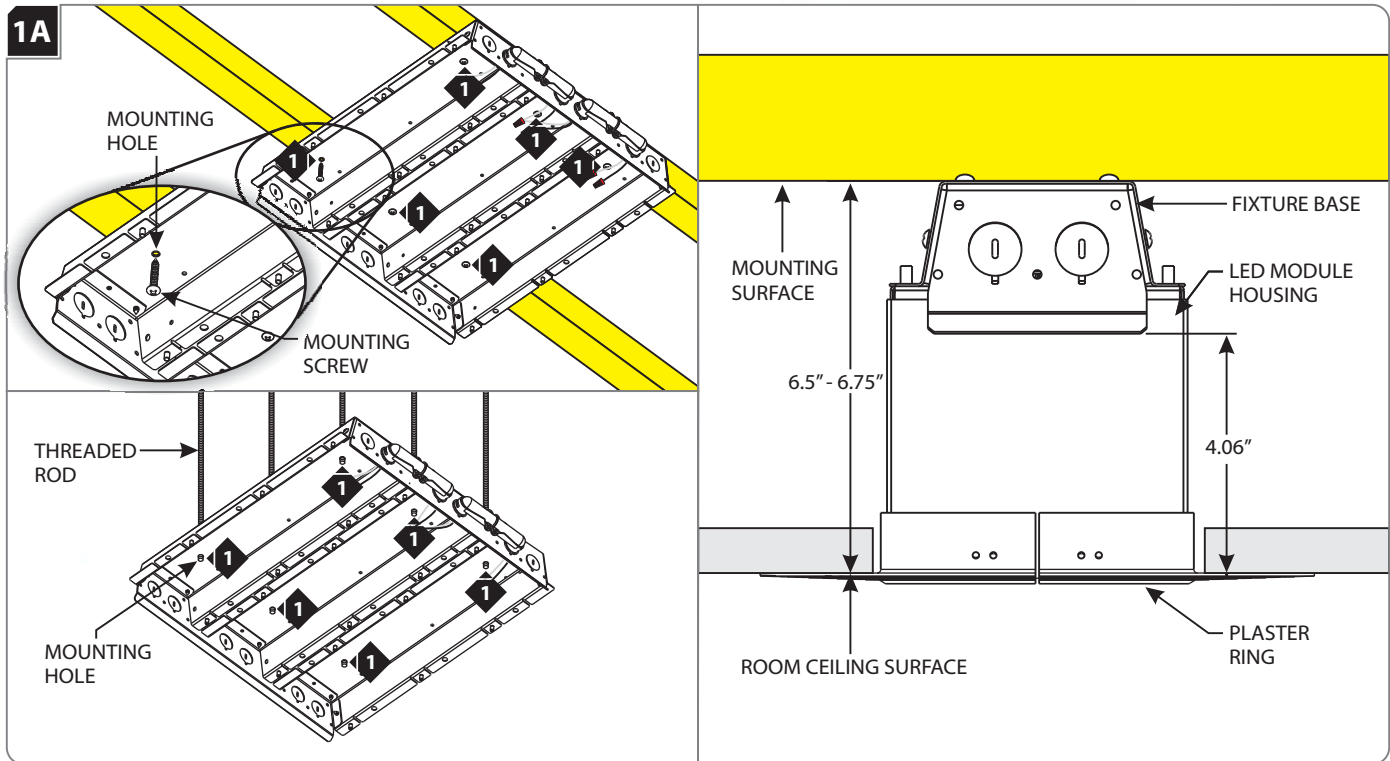
Install the Fixture Base

WARNING: The weight of this fixture may become very heavy (depending on configuration) once all of the components are installed. Ensure that proper structural mounting is used in accordance with local construction code.

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.

SAVE THESE INSTRUCTIONS!

1A

MOUNTING HOLE

MOUNTING SCREW

THREADED ROD

MOUNTING HOLE

MOUNTING SURFACE

6.5" - 6.75"

FIXTURE BASE

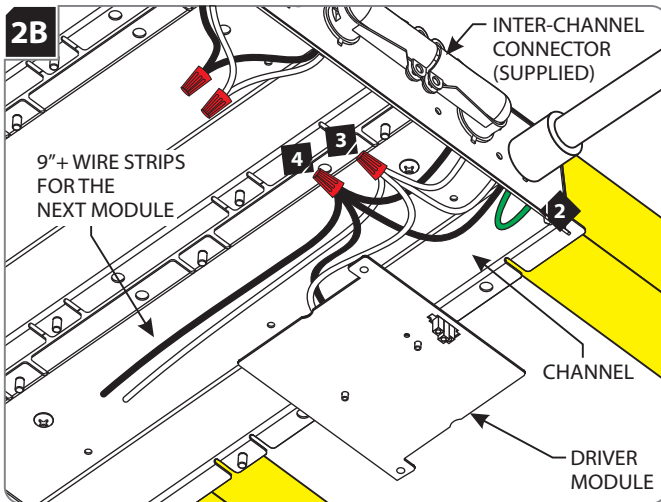LED MODULE HOUSING

4.06"

PLASTER RING

ROOM CEILING SURFACE

1 ▶ Use the 1/4" holes to suspend the fixture base with the use of threaded rods or use the screw holes to mount the fixture base securely in accordance with local construction code.

2 ▶ The mounting surface must be 6.5" to 6.75" above the room side ceiling surface.

Install the Driver Modules to Your Configuration

2A

CONDUIT
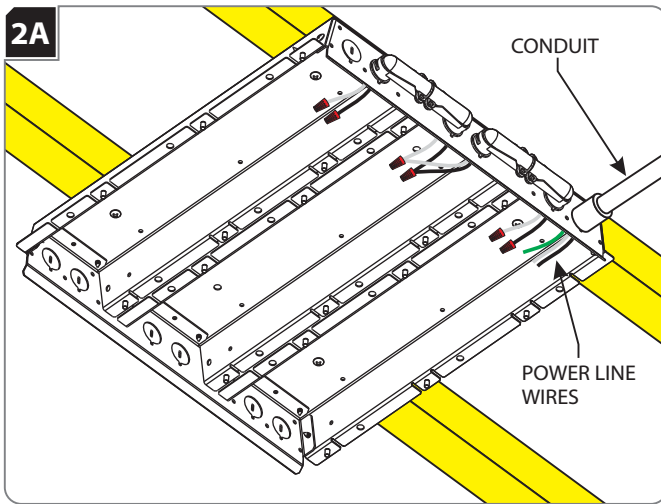
POWER LINE WIRES

1 ▸ Install the conduit to the fixture base and bring power line wire to the fixture base.

2B

INTER-CHANNEL CONNECTOR (SUPPLIED)

9"+ WIRE STRIPS FOR THE NEXT MODULE

CHANNEL

DRIVER MODULE

IMPORTANT: When interconnecting drivers, create a service loop with a **minimum length of 9" of wire** in order to pull the driver assembly through the LED module housing to allow for driver replacement/access.

IMPORTANT: Place grounding and power line connection so it can be inspected from below the ceiling after installation.

2 ▸ Ground the fixture in accordance with local electrical code.

3 ▸ Connect the first driver module's white wire to the neutral power line wire, the white wire from the inter-channel connector (if applicable), and a 9" minimum strip of white wire if another fixture will be connected in that channel.

4 ▸ Connect the driver module black wire to the hot power line wire, the black wire from the inter-channel connector (if applicable), and a 9" minimum strip of black wire if another fixture will be connected in that channel.

2C

INTER-CHANNEL CONNECTOR
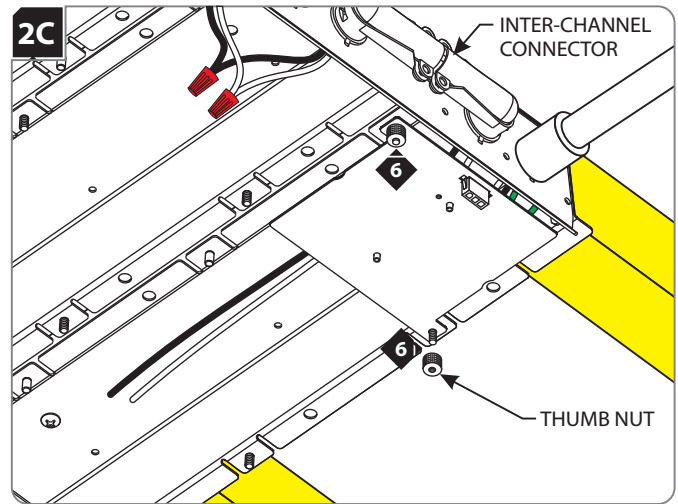
THUMB NUT

5 ▸ Carefully place all wires and wire nut connections into the fixture base channel.

6 ▸ Install the driver module into the fixture base using two thumb nuts. **Note:** If installing additional driver modules in the same channel, make sure the wire leads are accessible after driver module install.

2D

INTER-CHANNEL CONNECTOR
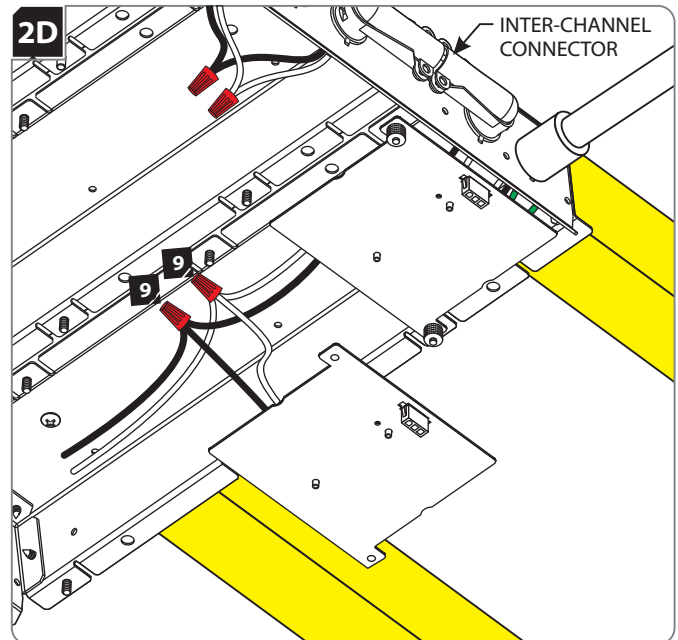
7 ▸ If installing another driver module into the same channel, respectively connect the black and white lead wires from the previous driver module, the black and white wires from the new driver module, and new 9" minimum black and white leads for the following driver if another driver module will be assembled within that same channel.

8 ▸ Repeat steps 5 and 6 to install the driver module.

9 ▸ Repeat steps 7 and 8 for all other driver modules in the same channel.

Install the Housings

**2E** NEXT INTER-CHANNEL CONNECTOR
PREVIOUS INTER-CHANNEL CONNECTOR
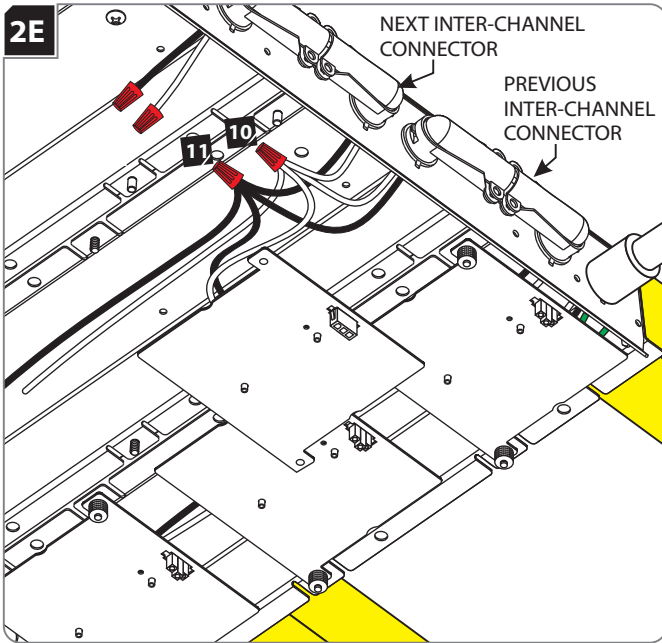
10 For the next channel (if applicable), connect the driver module's white wire to the neutral power line wire, the white wire from the inter-channel connector from the previous channel, the white wire from the next inter-channel connector (if applicable), and a 9" minimum strip of white wire if another driver module will be connected in that same channel.

11 Connect the driver module black wire to the hot power line wire, the black wire from the inter-channel connector from the previous channel, the black wire from the next inter-channel connector (if applicable), and a 9" minimum strip of black wire if another driver module will be connected in that same channel.

12 Repeat steps 7 through 11 for the rest of the driver modules and channels.

2F THUMB NUT
BLANK PLATE
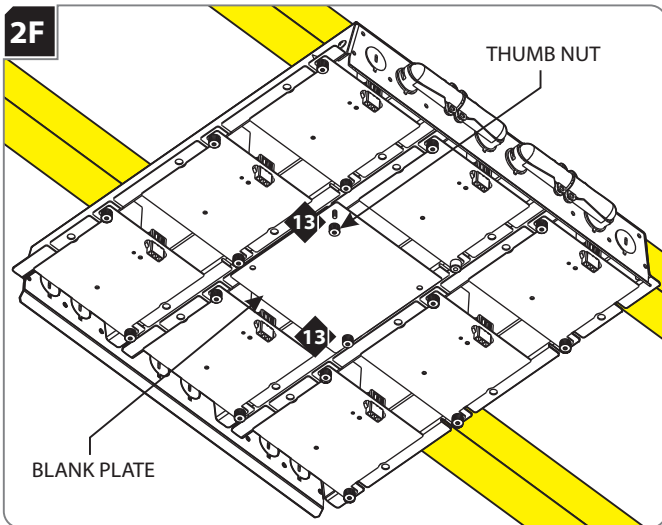
13 To close the wiring channels, install blank plates for any empty slots where a housing will not be installed. Use two thumb nuts to secure each blank plate.

3A CONNECTOR
SOCKET
LED MODULE
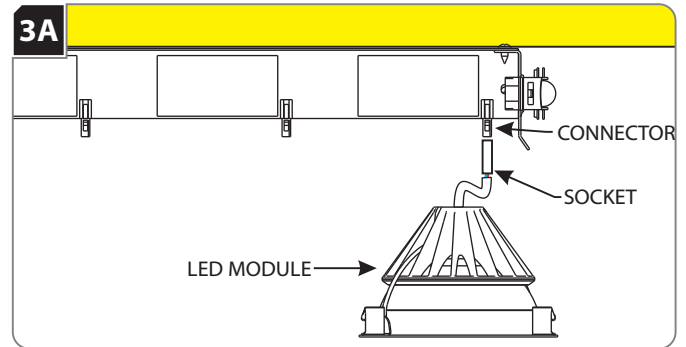
1 Test to confirm proper wiring with the use of a LED module, first temporarily power the fixture.

2 Push the module socket(s) into the electrical box connector(s) located inside the fixture housing; LED should light.

3 After all driver modules have been checked, disconnect power to the fixture.

3B LED MODULE HOUSING
#10-24 HOUSING SCREW

LED MODULE HOUSING
#10-24 HOUSING SCREW

BOTTOM VIEW
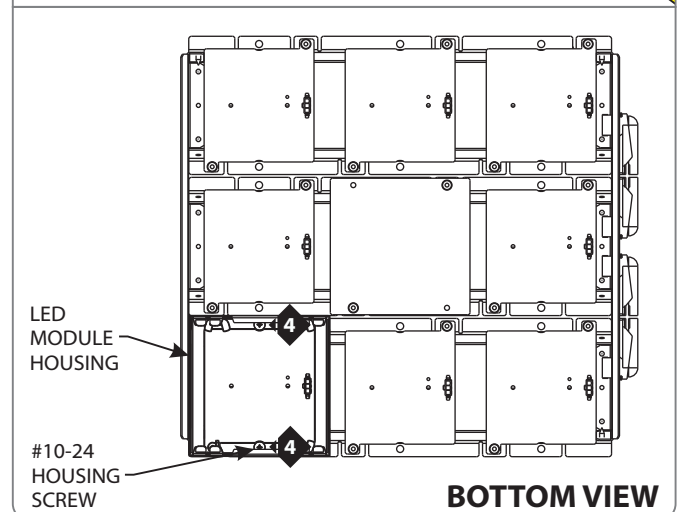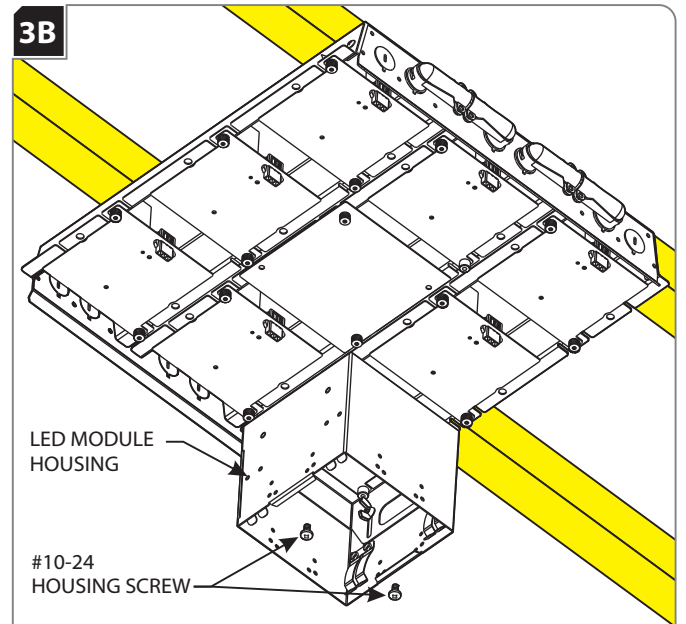
4 Install the LED module housing onto driver module and secure it in place with two #10-24 housing screws.

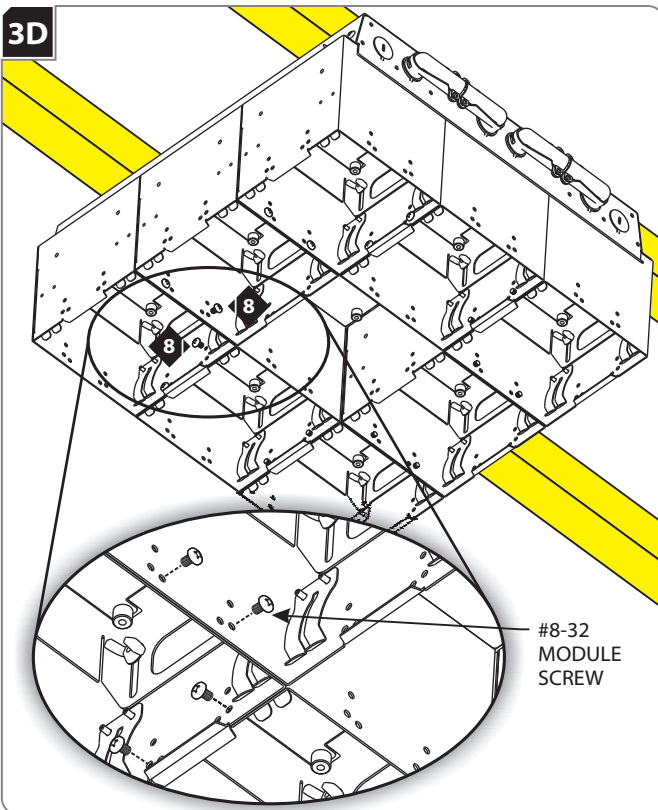**5** Repeat for all of the housings.

Install the Drywall

3C
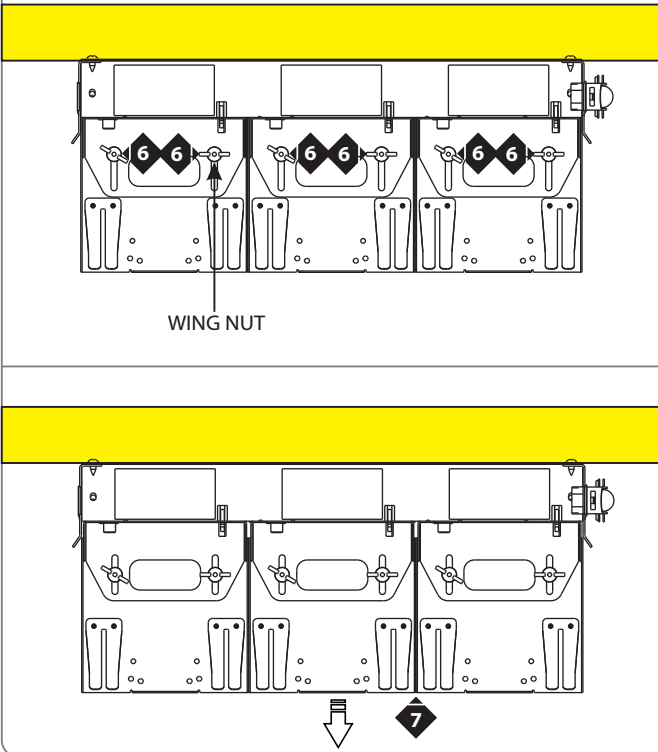
WING NUT

6 ▶ Reach inside each housing and loosen the four wing nuts.

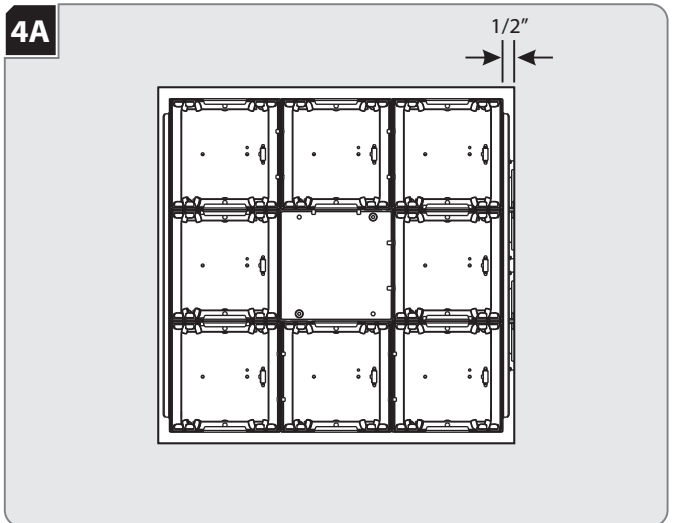**7** ▶ Adjust all the housings to their lowest setting.
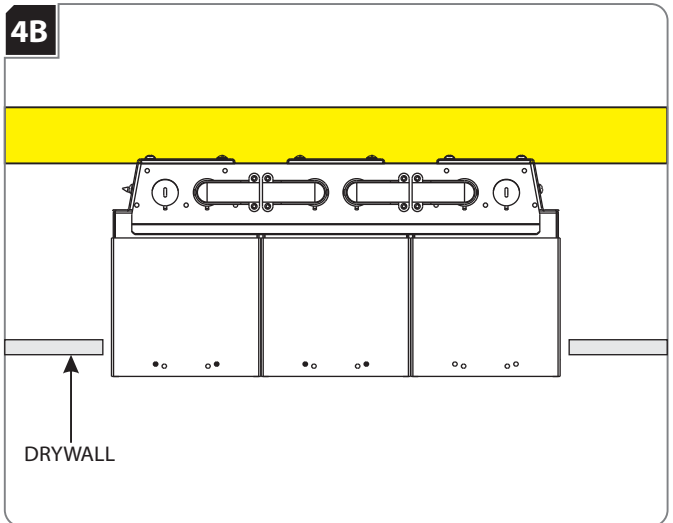
3D

#8-32 MODULE SCREW

8 ▶ Ensure that are the housings are level to each other and secure the housings together with two #8-32 housing screws between each set of mating walls. Tighten the screws so that there are no gaps between housings.

4A

1/2″

1 ▶ Cut out a drywall pattern according to the fixture layout, leaving about a 1/2″ gap around the perimeter of each housing.

4B

DRYWALL

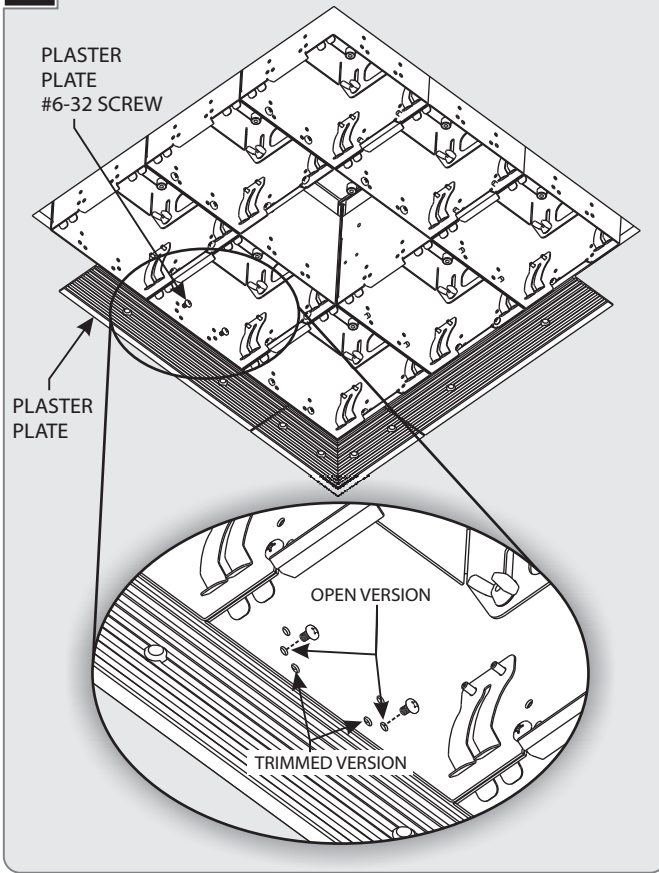**2** ▶ Align the cut out section of the drywall with the fixture housings and install the drywall.

NOTE: The fixture may not be flush with the ceiling at this point, adjustments to the housing height will be made in following sections.

Install Plaster Ring

5A

PLASTER PLATE #6-32 SCREW

PLASTER PLATE

OPEN VERSION

TRIMMED VERSION

1 ▶ Insert the plaster plate pieces into the cut out and onto the LED module housing.

2 ▶ Align the holes of the plaster plate with the holes in the housing and secure the plate in place with the #6-32 plaster plate screws. The plaster plate should be tight against the housing.
For OPEN versions, use the outer (higher) holes in the housing.
**For TRIMMED versions, use the inner (lower) holes in the housing.**

NOTE: The plaster plate will not lay flush onto the ceiling at this point, adjustments to the housing height are needed (see next step).

5B

PLASTER RING
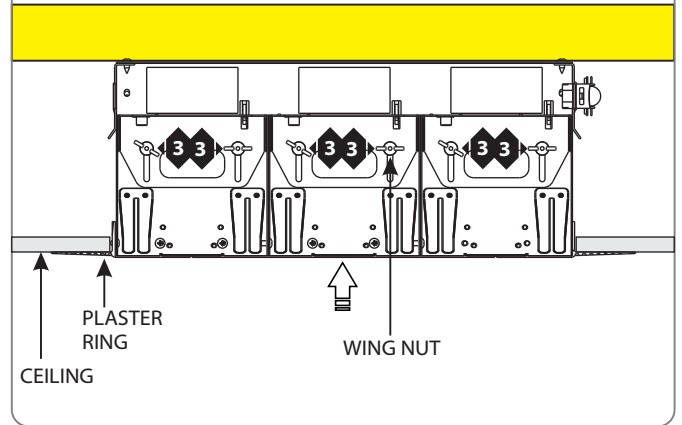
CEILING

WING NUT

3 ▶ Push the housing assembly towards the ceiling so the plaster plate is flush with the ceiling. Tighten all the housing wing nuts.
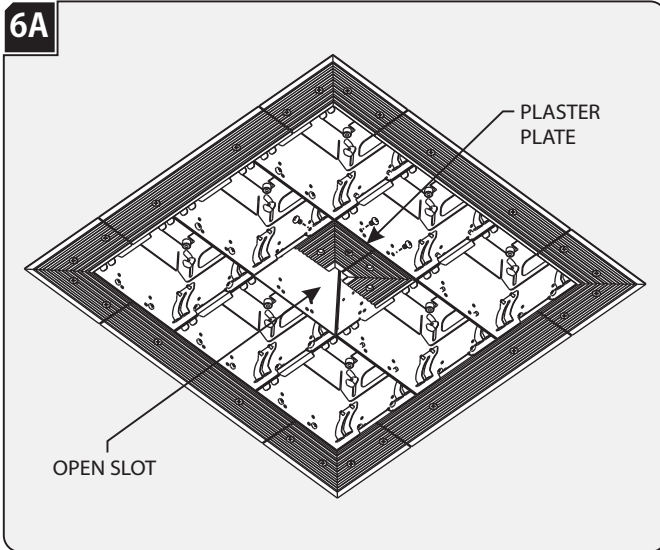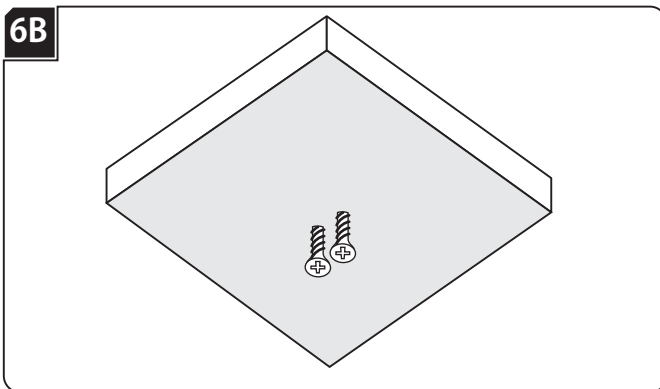
5C

DRYWALL SCREW HOLES
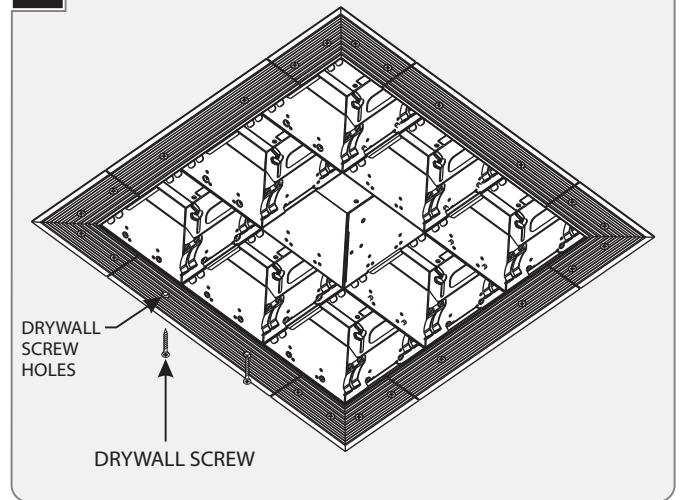
DRYWALL SCREW

5 ▶ Secure the plaster plate to the ceiling using the provided drywall screw holes.

Install Drywall Island

6A

PLASTER PLATE

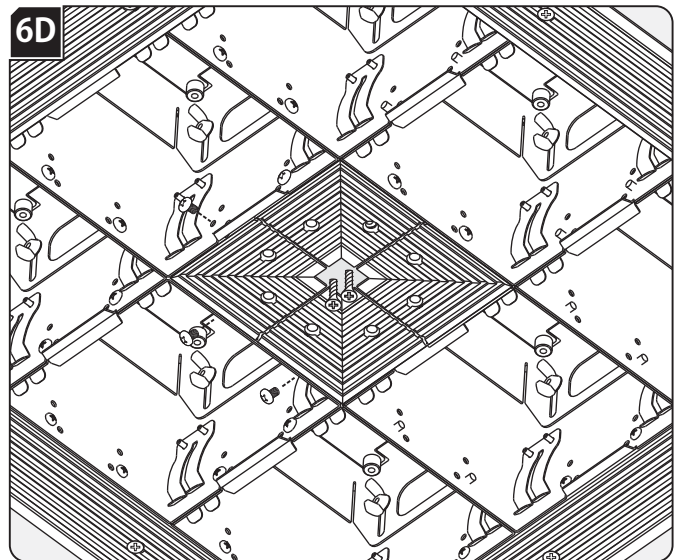OPEN SLOT

1 ▶ Install half of the plaster plates for all open slots using the #6-32 plaster plate screws (see section 5A).
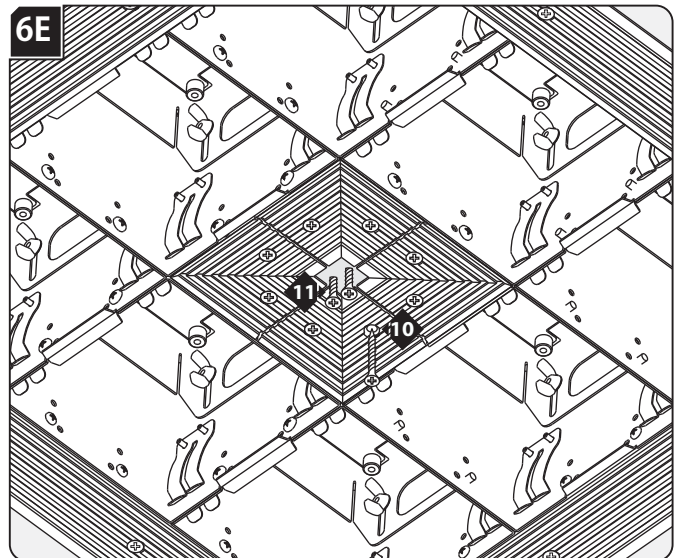
6B

7 ▶ Cut drywall to size leaving a 1/2" gap around the perimeter and install two screws in the center to use as grips.

6C
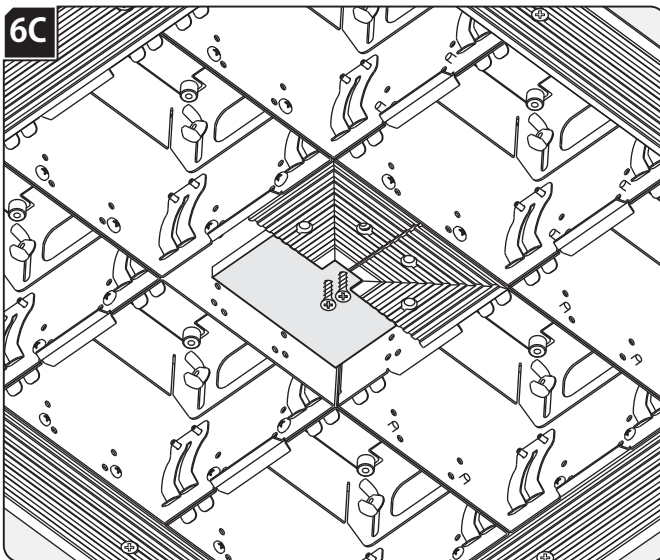
8 ▶ Install the drywall cutout.

6D

9 ▶ Install the rest of the island plaster plate using the #6-32 plaster plate screws (see section 5A).

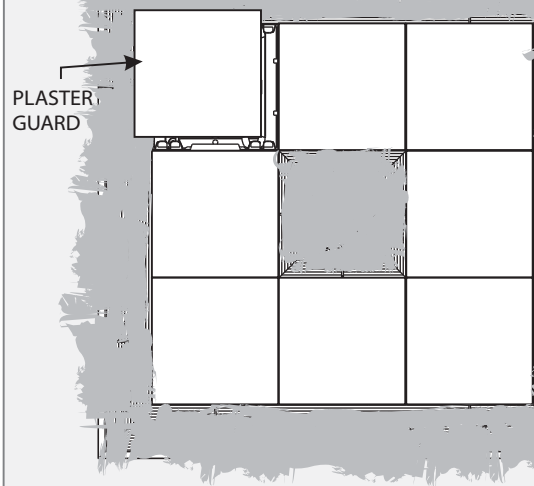**6E**

11
10

10 ▶ Pull down on the screws in the drywall island and secure the drywall to the plaster plate by using the provided drywall screw holes.

11 ▶ Remove the two grip screws from the drywall island.

Finish the Drywall

PLASTER GUARD

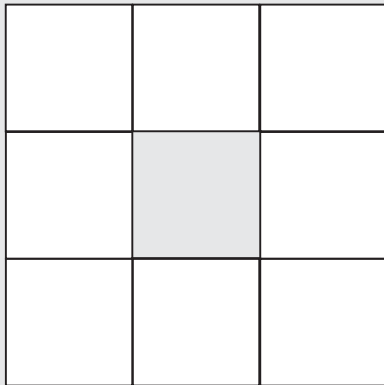**1** Install the plaster guard into the open slots with the provided double sided tape.
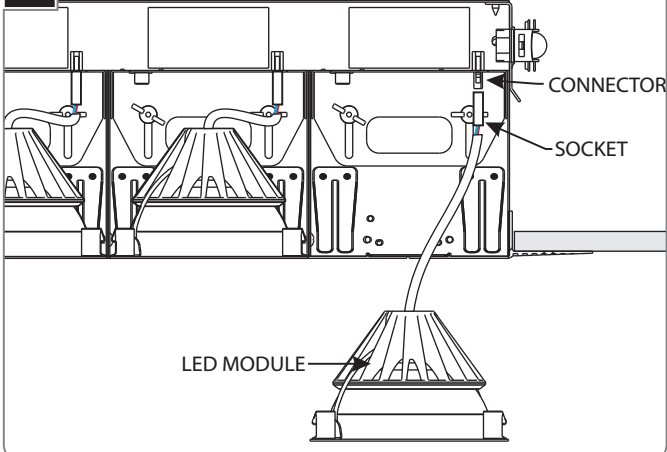
2 Properly plaster onto the plaster plate and drywall.

7B

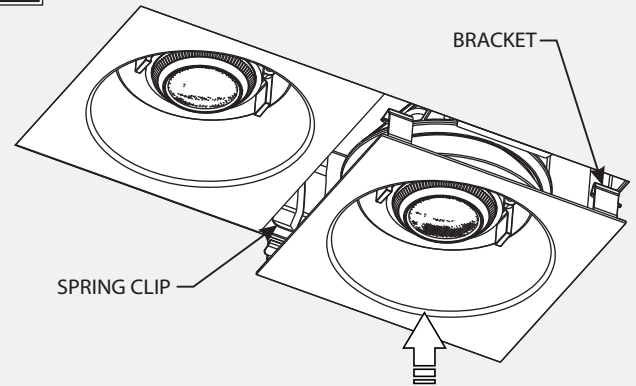**3** Finish around the fixtures to match drywall and remove the plaster guards.

Install the Module

8A

CONNECTOR

SOCKET

LED MODULE

1 Assemble the module socket(s) to the connector(s) located inside the fixture housing(s).
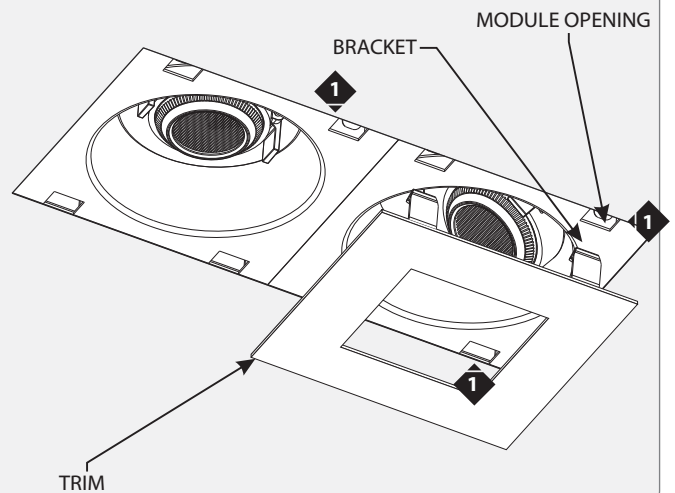
8B

BRACKET

SPRING CLIP

2 Align the brackets on the module to the spring clips inside the fixture housing and push the module completely in place.

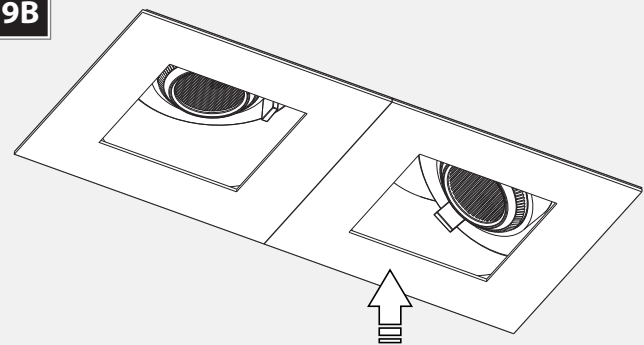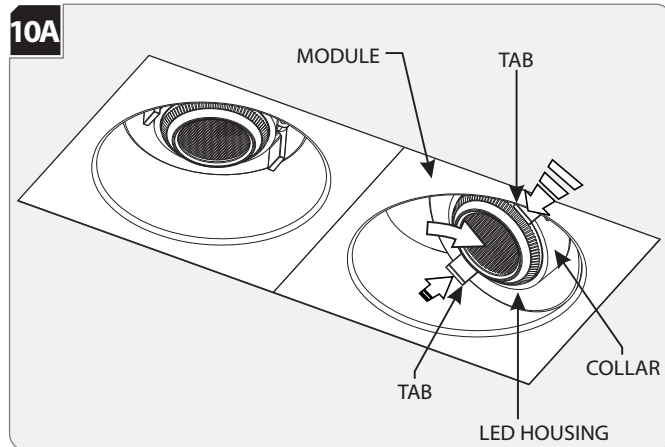# Install the Trim (Trimmed Version, Adjustable Modules Only)

9A

MODULE OPENING

BRACKET

TRIM

1 Align the bracket on the trim with the openings in the module(s) .

9B

2 Gently push the trim into the lamp housing so all the brackets snap into place.

Adjust the Module

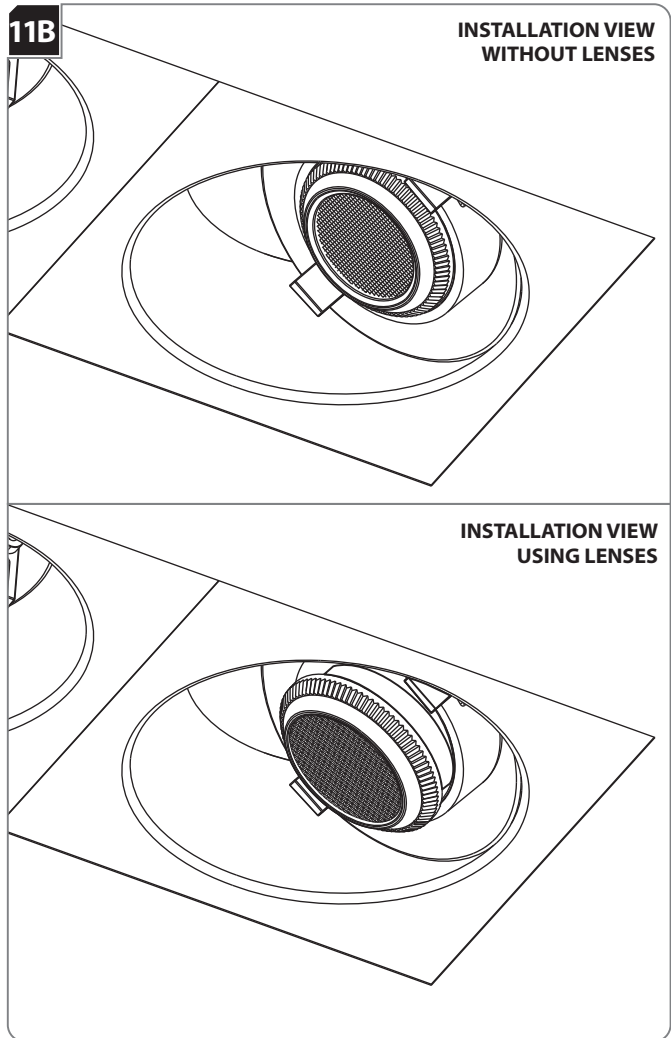**10A**

MODULE — TAB

TAB

COLLAR

LED HOUSING

> **WARNING:** Always squeeze the two tabs when adjusting the LED housing. Failure to do so will damage the finish.

1 Squeeze the LED housing tabs and rotate the LED housing to the desired position.

2 Rotate the collar to move the tab locations if necessary.

# Optics and Lenses (Adjustable Modules Only)

11A

OPTIC

LED HOUSING COVER

LENS
(see step 3)

3

EXTENDED LED HOUSING COVER
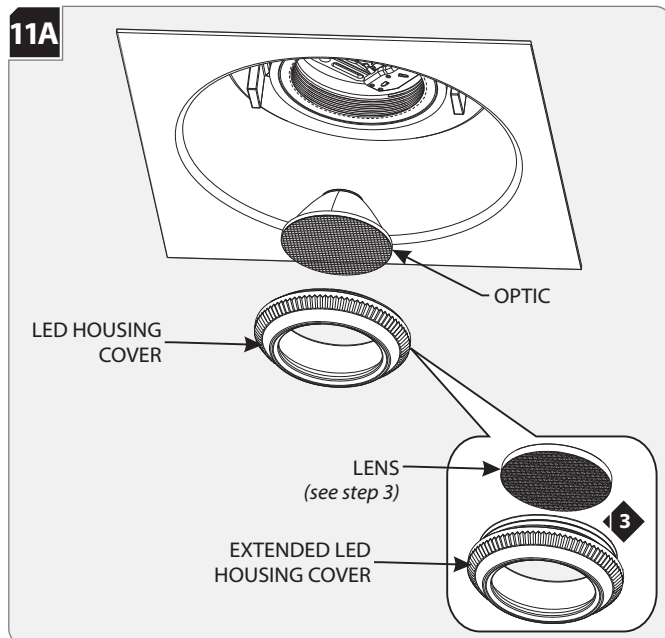
1 Unscrew and remove the LED housing cover.

2 Remove the optic.

3 If installing an optional lens, rest the lenses inside the extended lens housing cover **(2 lenses maximum)**. **WARNING: Use only the extended LED housing cover shipped with the lens. Failure to do so will result in damage to the fixture and/or injury.**

4 Install the optic (replacement or existing) inside the LED housing cover. **WARNING: ensure that the optic is seated and aligned properly to avoid damage to the LED when installing the cover.**

5 **See notes in step 11B before proceeding.** Screw the LED housing cover back on.

11B

**INSTALLATION VIEW
WITHOUT LENSES**

**INSTALLATION VIEW
USING LENSES**

● The extended lens housing cover must be tightened less-than-snug. **Stop tightening the moment any resistance is felt.**

● The cover will not sit flush to the base when using lenses. **Do not try to force the cover to become flush.**

8

Removing the Module
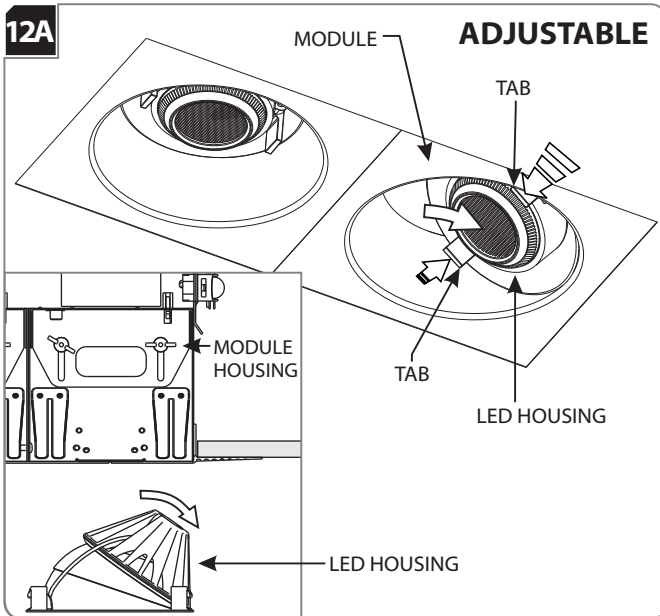
12A ADJUSTABLE

MODULE

TAB

MODULE HOUSING

TAB

LED HOUSING

LED HOUSING

WARNING: Always squeeze the two tabs when adjusting the LED housing. Failure to do so will damage the finish.

1 In order to have the clearance to remove the module, the LED housing must be rotated:
Squeeze in the two tabs on the LED housing and rotate the housing towards either end of the fixture housing.

2 Grip the LED module and pull the LED housing straight down. If any resistance is given, rotate it to the next adjacent side.

3 See section 8 for reinstallation.

12B GENERAL ILLUMINATION AND WALL WASH
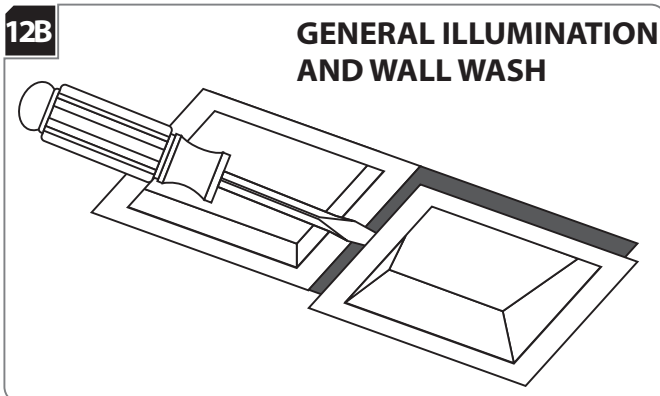
4 Remove the General Illumination and Wall Wash modules using a flathead screw driver to gently pry the module from the housing.

Notes

Notes

SAVE THESE INSTRUCTIONS!

ELEMENT
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