



INSTALLATION INSTRUCTIONS

RECESSED HOUSING MODEL SERIES 804/804S

SEE PAGE 3, FIG. 3.4 FOR STICKER INSTALLATION

WARNING: Read and understand these instructions completely before installation. To be installed by qualified electricians only. Products should be installed in accordance with these instructions, local electrical codes, and the National Electric Code (NEC). These products may represent a possible shock or fire hazard if improperly installed.

CAUTION: Disconnect power at circuit breaker or fuse panel before installation or servicing. Always allow LED assembly to cool before servicing. Do not connect or disconnect LED lamp module wire connector when fixture is energized as this may result in permanent damage to the LED. Do not install where insulation or ambient temperatures will exceed maximum values noted in product specifications. Do not install in steam showers.

NOTE: Number Eight Lighting fixtures are designed to meet the latest NEC requirements and are listed in full compliance with UL standards. Before attempting installation, check your local electrical code which sets the wiring standards and installation requirements for your locality and should be understood before starting work.

SAVE THESE INSTRUCTIONS.

Mounting Hanger Bars

STEP 1 Important: Before attaching Hanger Bar Bracket you must determine Trim Model to be used (refer to Trim Types on Page 2).

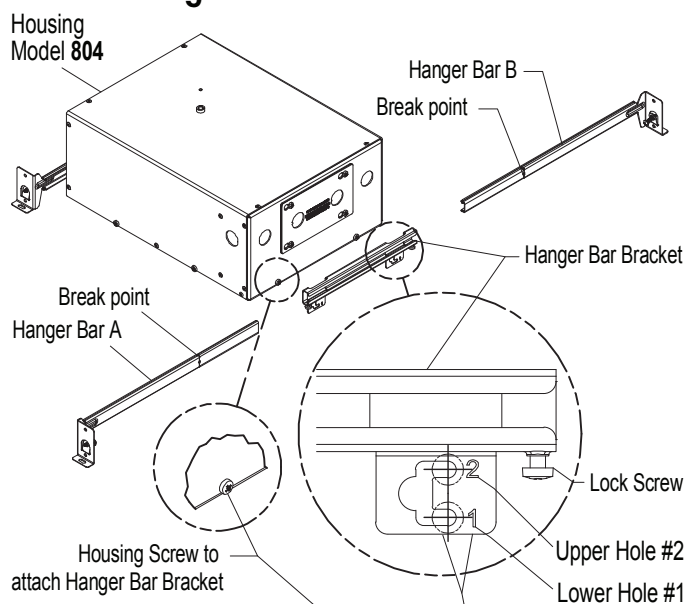
Select upper or lower Bracket hole position (refer to Hanger Bar Bracket Position Chart).

Note: For FS-P, FR-P & INS-P Trims, ceiling thickness is measured from face of ceiling joist to face of sheetrock. Ceiling thickness range and hole position applies to both P-1 & P-2 Trims. Refer to plaster trim installation instructions for additional details.

STEP 2 Loosen 2 screws slightly on Housing to attach or adjust each Hanger Bar Bracket. Position Hanger Bar Bracket in hole position 1 or 2 & secure screws – FIG 1.1 & 1.2.

STEP 3 Assemble Hanger Bar A & B through each Hanger Bar Bracket to slide onto each other. The ends should have 1" minimum overlap. Hanger Bars can be shortened at break locations shown – FIG 1.1.

End Mounting



Side Mounting

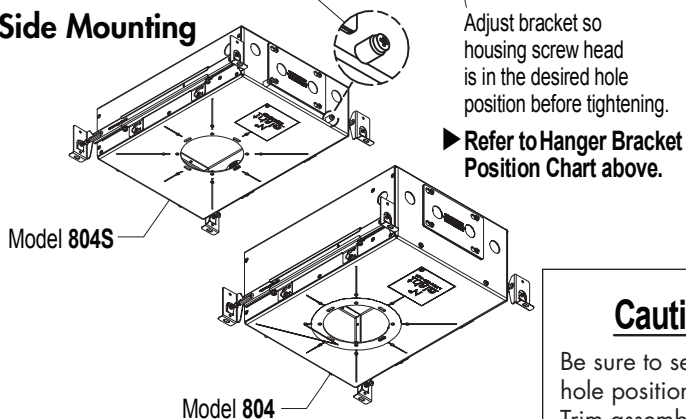


FIG 1.1 Installing Hanger Bar & Hanger Bracket Set

Hanger Bracket Positioning Chart

Trim Styles	For Ceiling Thickness Range	Hole Position #
FS-P, FR-P	1/2" to 1"	Lower #1
INS-P, INR-P	1/2" to 7/8" 7/8" to 1-1/4"	Upper #2 Lower #1
FS-W, FLS-W	1/4" to 3/4" 3/4" to 1-1/2"	Upper #2 Lower #1
FR-W, FLR-W	1/2" to 1" 1" to 1-1/2"	Upper #2 Lower #1
INR-P, INS-W, FLINS-W	1/2" to 1" 1" to 1-1/2"	Upper #2 Lower #1



IMPORTANT:

Install so Hanger Bar flanges are positioned as shown

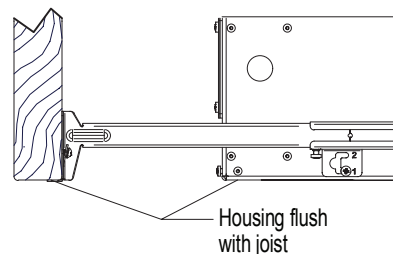
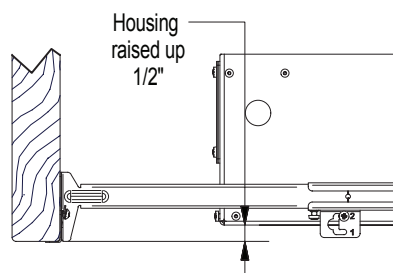
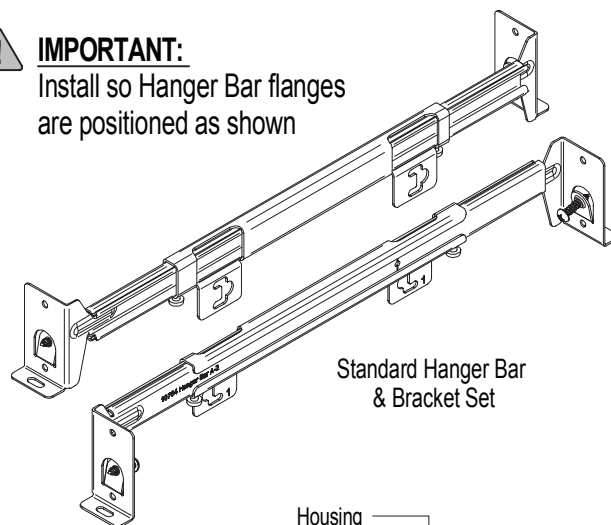


FIG 1.2 Hole Position & Housing Location


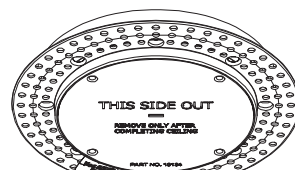
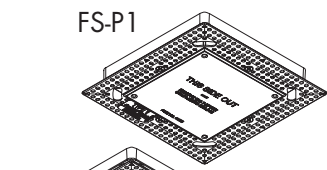
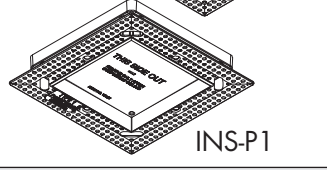
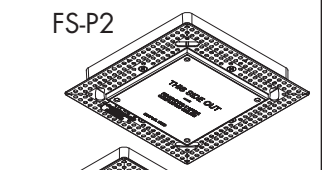
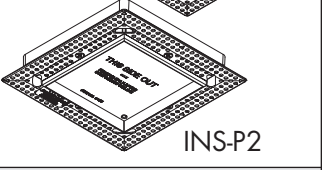
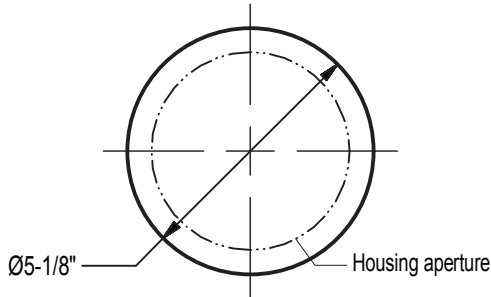
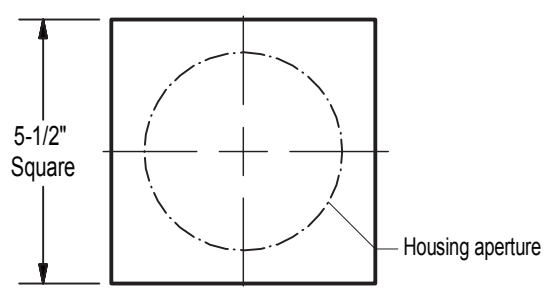
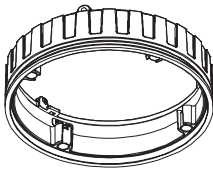
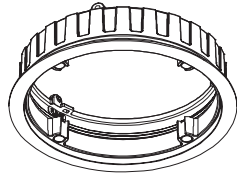
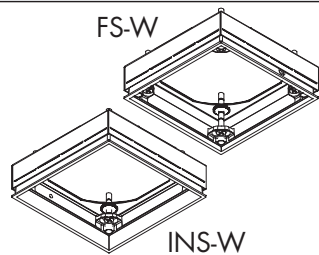
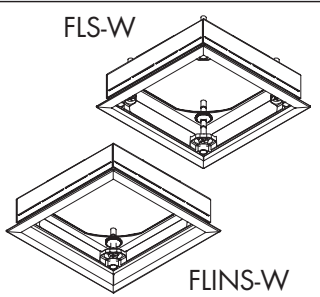
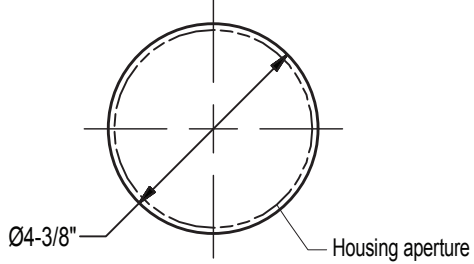
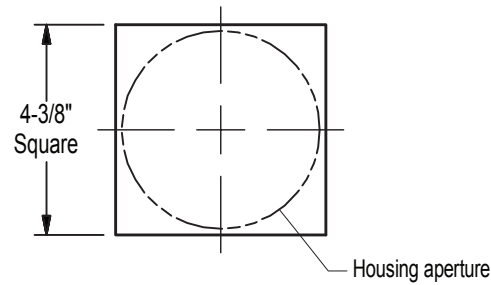
Caution

Be sure to select correct hole position for intended Trim assembly. Changing hole position is not possible after ceiling is installed.

Trim Kits & Ceiling Cutouts

STEP 4 Accurately measure cutout location (for housing aperture center) & mark centers in ceiling material. Cut openings in ceiling material as dimensioned below.

Important: Cutout location accuracy is critical, always double check measurements before cutting.

Trim Model	Round Trims		Square Trims	
	 <p>FR-P1</p>	 <p>FR-P2</p>	 <p>FS-P1</p>  <p>INS-P1</p>	 <p>FS-P2</p>  <p>INS-P2</p>
For Plaster/Sheetrock				
Cutout	 <p>Ø5-1/8"</p> <p>Housing aperture</p>		 <p>5-1/2" Square</p> <p>Housing aperture</p>	
Trim Model	Non-Flanged	Flanged	Non-Flanged	Flanged
	 <p>FR-W</p>	 <p>FLR-W</p>	 <p>FS-W</p> <p>INS-W</p> <p>Important: All FS-W & INS-W cutout corners must be sharp for non-flanged trims only.</p>	 <p>FLS-W</p> <p>FLINS-W</p>
For Wood/Stone				
Cutout	 <p>Ø4-3/8"</p> <p>Housing aperture</p>		 <p>4-3/8" Square</p> <p>Housing aperture</p>	

Mounting Housing To Joists & Sticker Application

STEP 1 Spread Hanger Bars to approximate Joist spacing. Temporarily secure Lock Screws to keep Housing from sliding along Hanger Bars – FIG 3.1 & 3.2.

Sloped Ceilings Installing Housing so J Box Cover faces wall is recommended for maximum adjustment on applicable Lamp Modules – FIG. 3.3.

STEP 2 Secure Housing & Hanger Bar assembly to Joists using either the fasteners supplied on Hanger Bars or fasteners through alternate mounting holes – FIG 3.1.

STEP 3 Reposition Housing along Hanger Bars as needed. Use guide lines to help locate Housing relative to nearby walls or other fixtures – FIG 3.1 & 3.2.

STEP 4 Apply Stickers over unused holes & slots as shown to prevent light leaks & maintain airtight standards compliance. No caulking required – FIG 3.4.

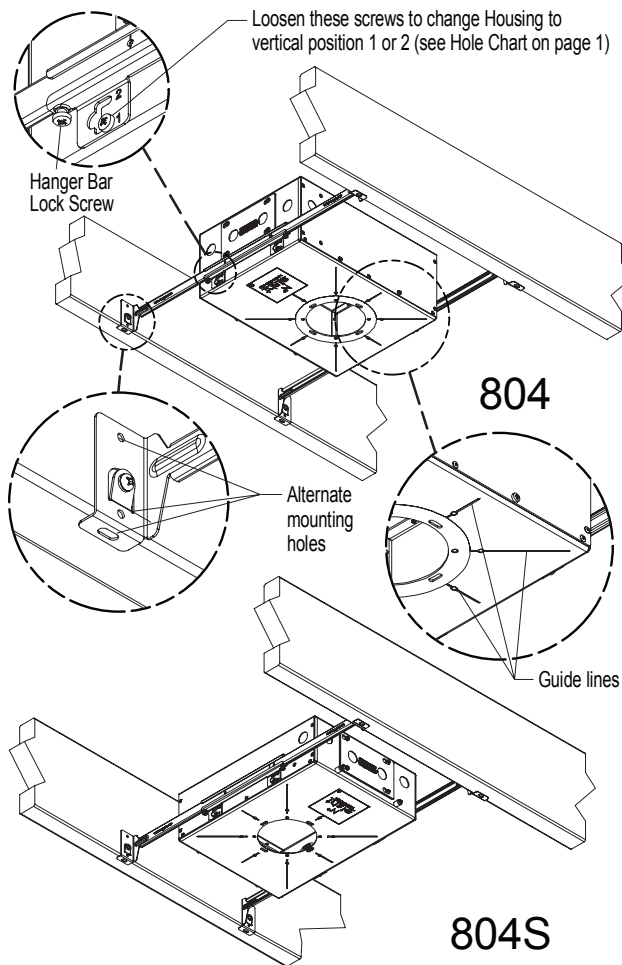


FIG 3.1 Fastening Housing to joists

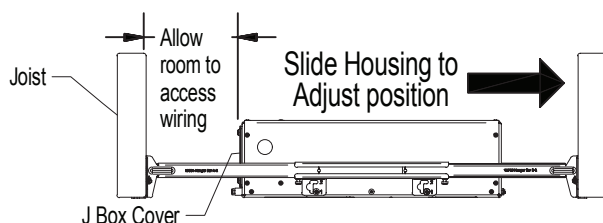


FIG 3.2 Horizontal Housing adjustment (Model 804S shown)

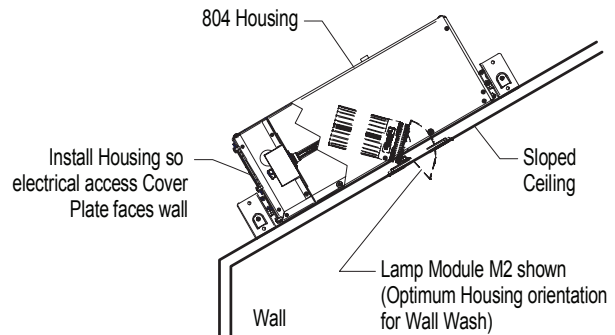


FIG 3.3 Recommended Sloped Ceiling Orientation (Model 804 shown)

IMPORTANT For Airtight Compliance - Stickers required on all 804 & 804S Housings

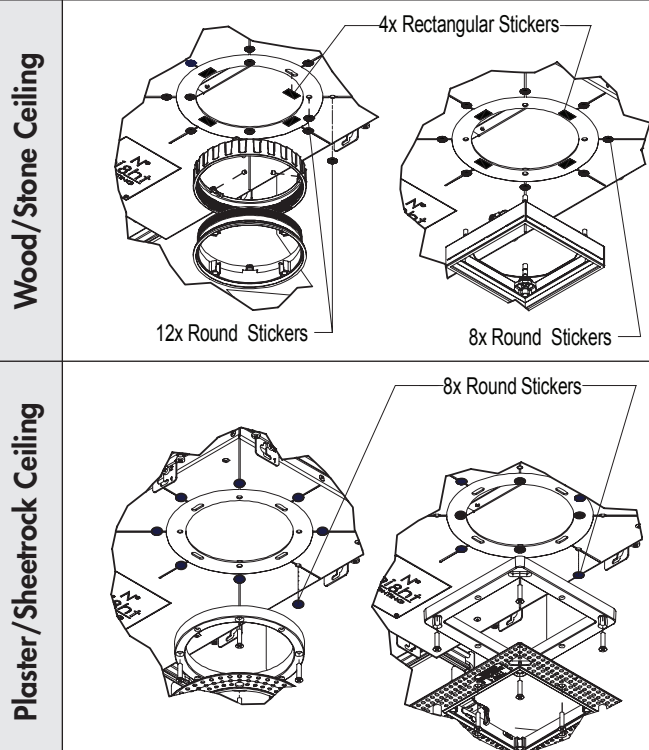


FIG 3.4 Sticker Application

INSTRUCTIONS - Conversion from NON IC to IC Model 800 Series A, B, H

CAUTION: Review all instructions completely before proceeding. **SAVE THESE INSTRUCTIONS**

Important: The model 803/A or B or H is a convertible recessed light fixture that is shipped labeled for NON IC (50W max) applications by default. The fixture can easily be changed for use in IC (35W Max) type applications by removing the NON IC Rough-in Section label.

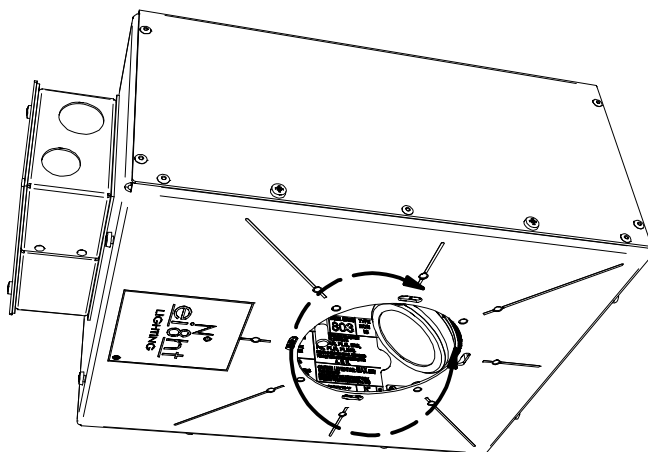
Step 1 Determine installation type:

- **Type NON IC** Non-insulated ceiling - thermal insulation does not cover top of housing and is spaced 3" [76mm] from all sides.
- **Type IC** Insulated ceiling - housing is in direct contact with thermal insulation.

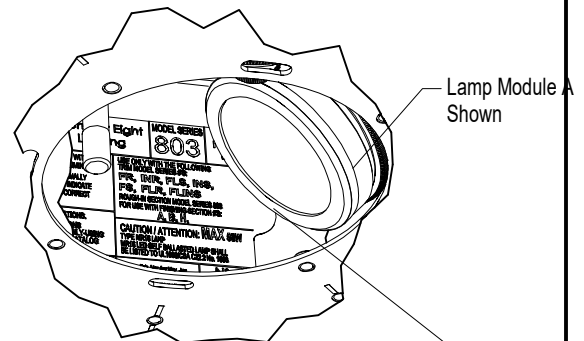
Step 2 For IC installations remove the **NON IC** label by grasping the tab, peeling label out from fixture & exposing the IC label underneath.

CAUTION: Refer to max lamp wattage information on applicable label.

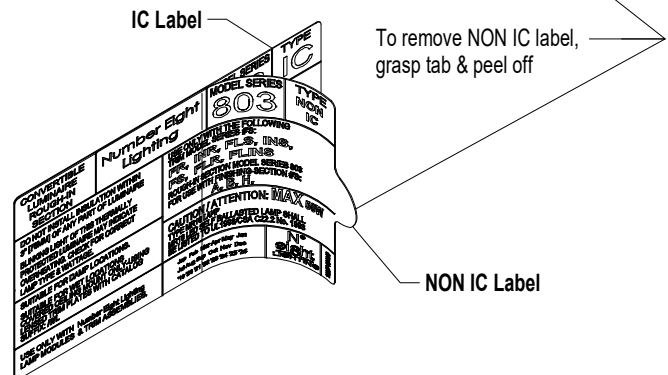
DO NOT OVERLAMP. BLINKING FIXTURE MAY INDICATE OVERHEATING. CHECK FOR CORRECT LAMP & WATTAGE.



NON IC Rough-in Section label shown
(installed by default)

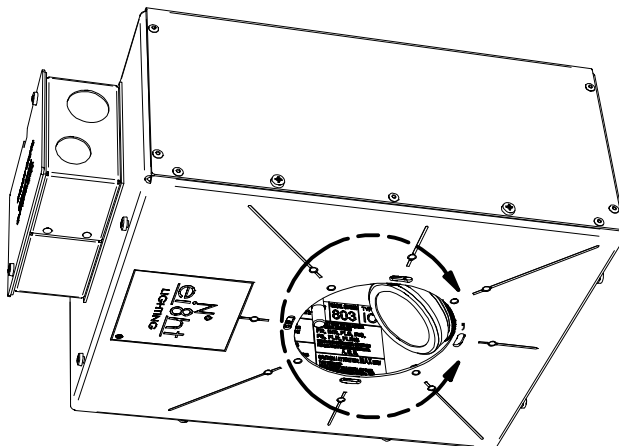


Lamp Module A
Shown

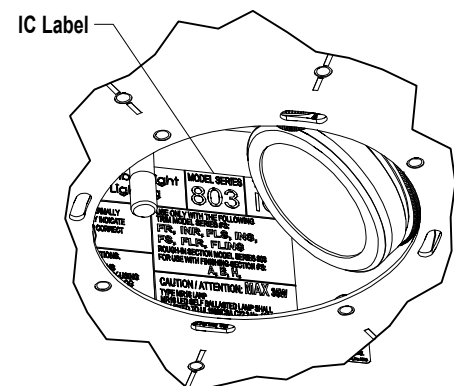


To remove NON IC label,
grasp tab & peel off

NON IC Label



IC Rough-in Section label
exposed after removing NON IC label



IC Label