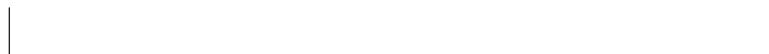




INSTALLATION INSTRUCTIONS RECESSED MODEL SERIES 805



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.

HOUSING INSTALLATION INSTRUCTIONS RECESSED MODEL 805 SERIES

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 **Table 1.1 Hanger Bracket Positioning Chart**).

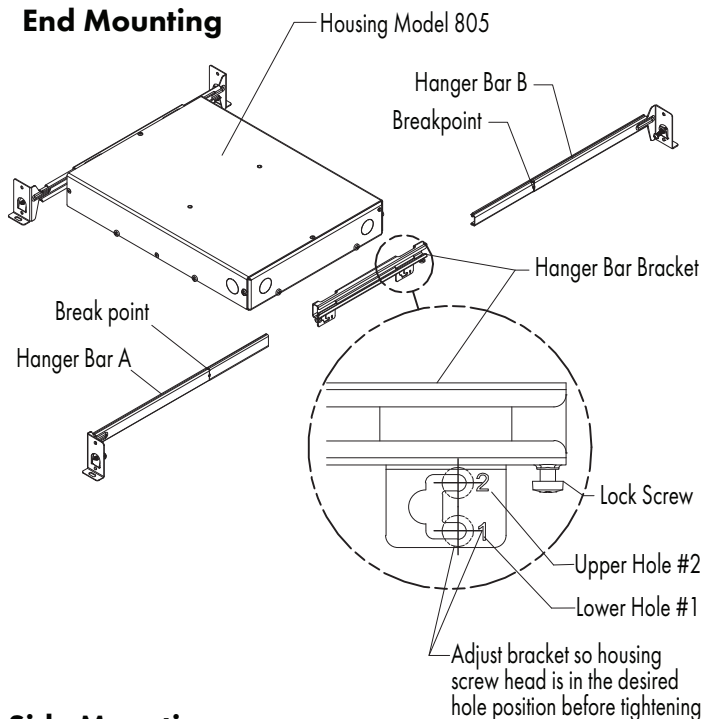
Note: Ceiling thickness is measured from bottom face of ceiling joist to bottom face of ceiling. Refer to trim installation instructions for additional details.

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**.

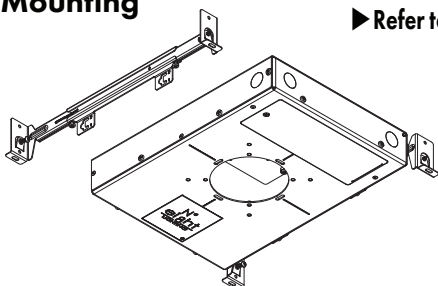
STEP 3 Assemble Hanger Bar A & B through each Hanger Bar Bracket to slide onto each other. The ends should have 1" minimum overlap.

Note: Hanger Bars can be shortened at break locations shown – **FIG 1.1**.

End Mounting



Side Mounting

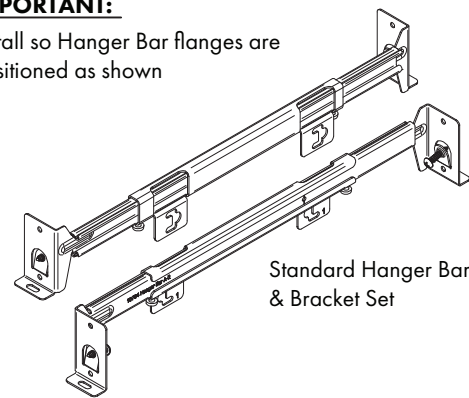


► Refer to Table 1.1 above

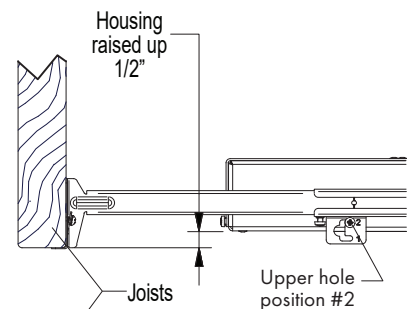


IMPORTANT:

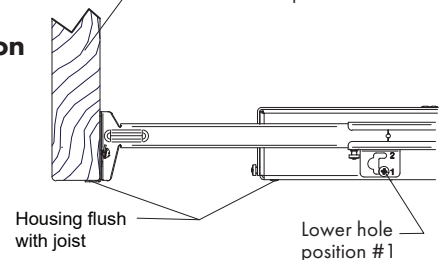
Install so Hanger Bar flanges are positioned as shown



Hole Position Upper #2



Hole Position Lower #1



Caution:

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

FIG 1.1 Installing Hanger Bar & Hanger Bracket Set

FIG 1.2 Hole Position & Housing Location



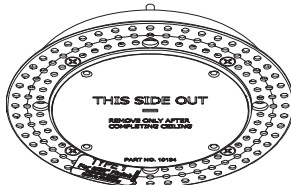
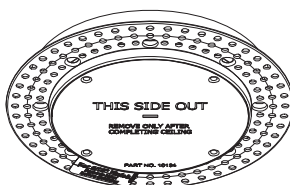
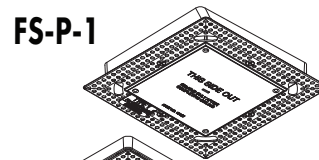
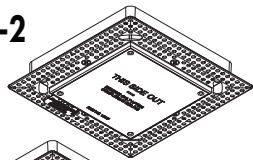
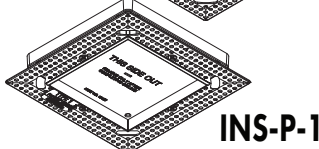
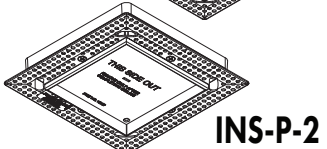
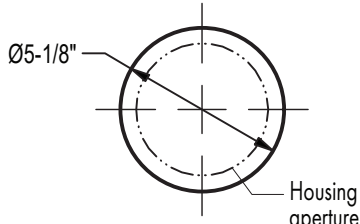
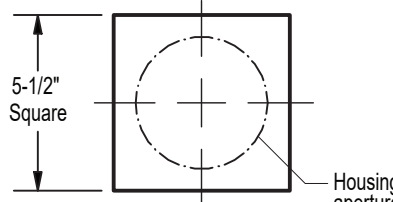
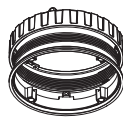
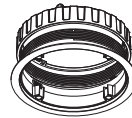

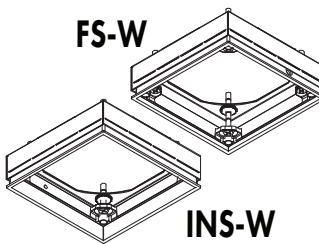
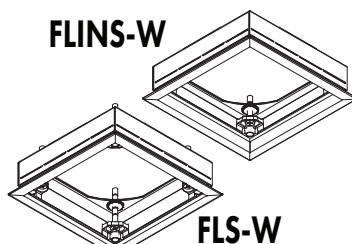
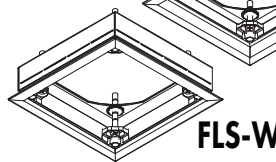
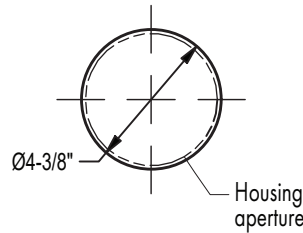
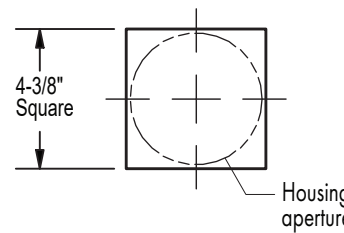
HOUSING INSTALLATION INSTRUCTIONS RECESSED MODEL 805 SERIES

Ceiling Cutouts for 800 Series Trims

STEP 1 Accurately measure housing aperture center for cutout location.

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

STEP 2 Cut openings in ceiling material as dimensioned below.

Round Plaster Trims		Square Plaster Trims				
Trim Model	 FR-P-1	 FR-P-2	 FS-P-1	 FS-P-2	 INS-P-1	 INS-P-2
	Round Plaster Trim Cutouts		Square Plaster Trim Cutouts			
Ceiling Cutouts	 (shown at larger scale)	Round Trim Cutout Tolerances: Cutouts $\pm 1/16''$	 (shown at larger scale)	Square Trim Cutout Tolerances: Cutouts $\pm 1/8''$		
	Round Wood Trims		Square Wood Trims			
Trim Model	Non-flanged  FW-R	Flanged  FLR-W	 FLNR-W	Non-flanged  INS-W	Flanged  FLNS-W	 FLS-W
	Important: All Non-flanged cutouts to have clean, sharp edges		Important: All Non-flanged cutouts must have clean, sharp edges & corners			
Ceiling Cutouts	 (shown at larger scale)	Round Wood Cutout Tolerances: FR-W $\pm 1/32''$ INR-W $\pm 1/32''$ FLR-W $+1/8'' / -1/32''$ FLNR-W $+1/8'' / -1/32''$	 (shown at larger scale)	Square Wood Cutout Tolerances: FR-W $\pm 1/32''$ INR-W $\pm 1/32''$ FLR-W $+1/8'' / -1/16''$ FLNR-W $+1/8'' / -1/16''$		

HOUSING INSTALLATION INSTRUCTIONS

RECESSED MODEL SERIES 805

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.**
- Note:** For 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.**

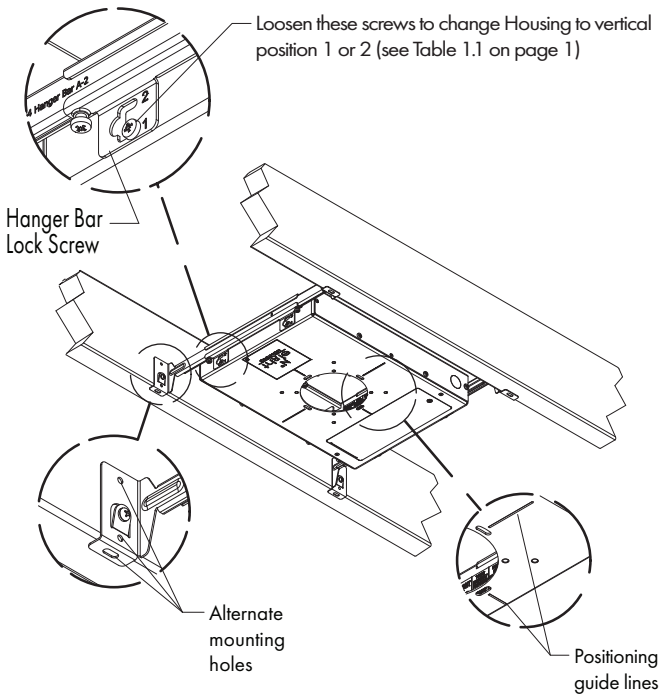


FIG 3.1 Fastening Housing to joists

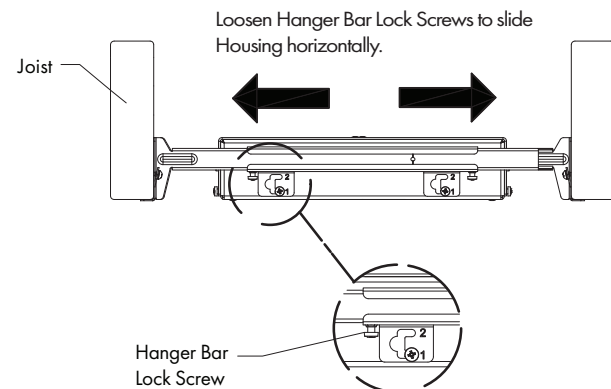


FIG 3.2 Horizontal Housing adjustment

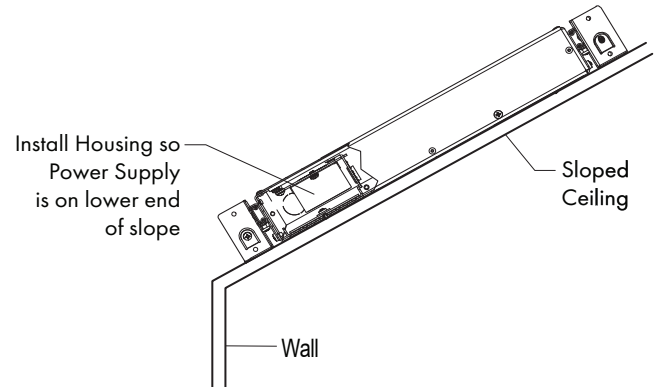
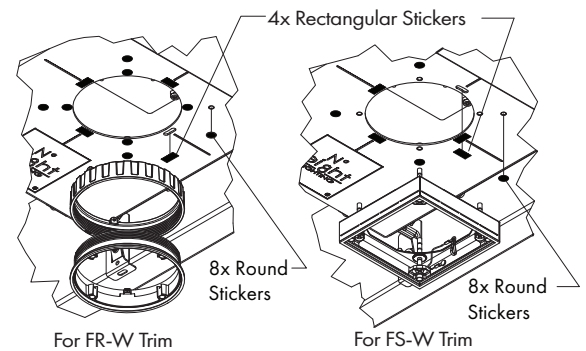


FIG 3.3 Recommended Sloped Ceiling Orientation

! IMPORTANT For Airtight Compliance - Stickers are required on all 805 Housings

Wood/Stone Ceiling



Plaster/Sheetrock Ceiling

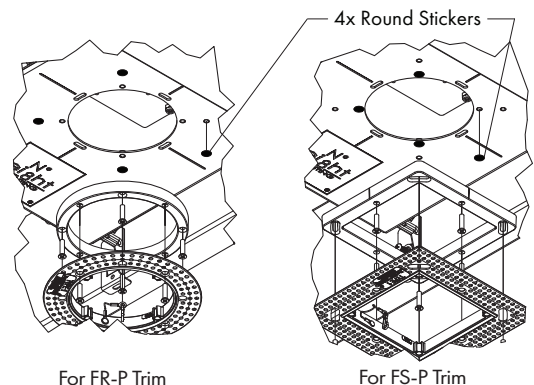


FIG 3.4 Sticker Application

HOUSING INSTALLATION INSTRUCTIONS RECESSED MODEL SERIES 805

Light Engine Removal, Adjustment & Replacement

Removal

STEP 1 Remove Trim Plate & loosen 2x short screws slightly-DO NOT REMOVE. Push Light Engine in direction of arrows to disengage from housing-**FIG 4.1**.

STEP 2 Remove Light Engine & disconnect wire connectors-**FIG 4.2**.

W5 Light Engine Orientation Adjustment

Note: The **W5** Wall Wash Light Engine can be installed in 4 different orientations at 90 deg intervals to direct light toward the wall. Two orientations will require screws for the Light Engine to be relocated as shown in **FIG 4.3**.

STEP 1 Loosen screws & disengage **W5** Light Engine. Relocate screws if required-**FIG 4.1 & 4.2**.

STEP 2 Replace Light Engine into desired orientation making sure slots are fully seated against screws. Retighten screws securely (DO NOT OVERTIGHTEN)-**FIG 4.3**.

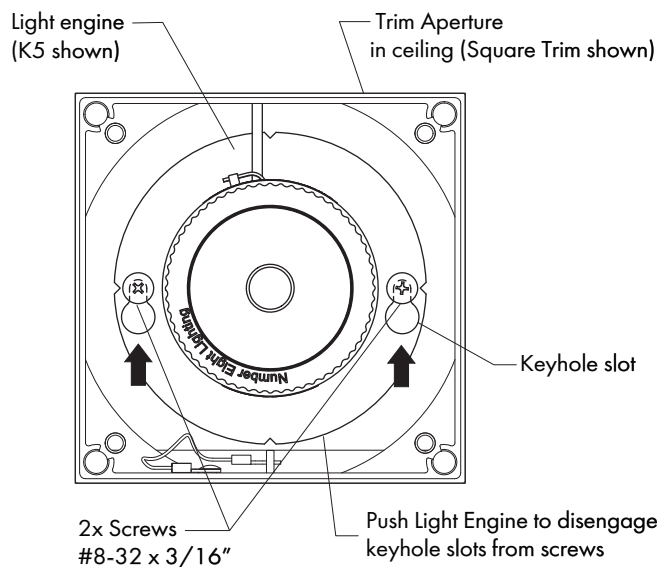


FIG 4.1 Loosen Light Engine screws

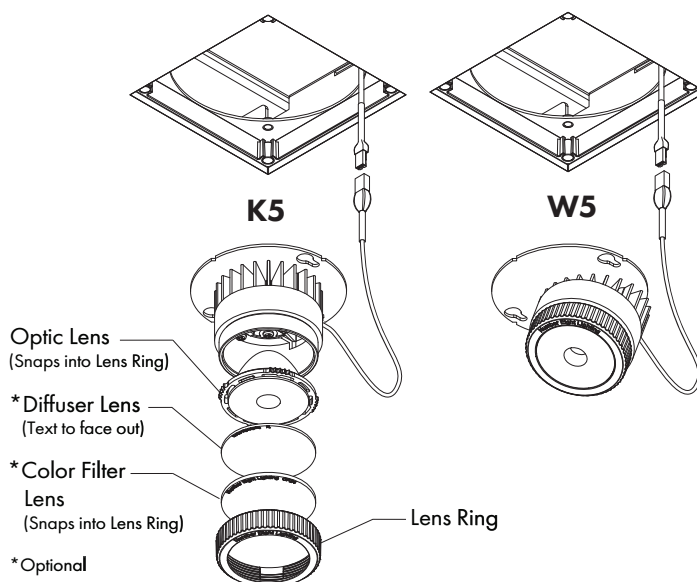
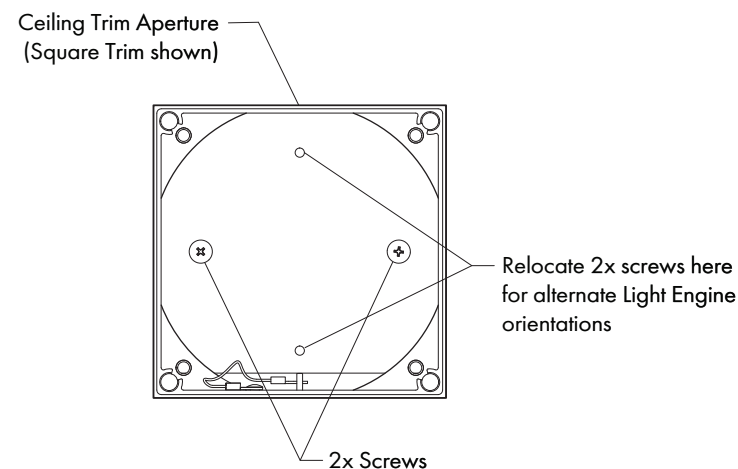
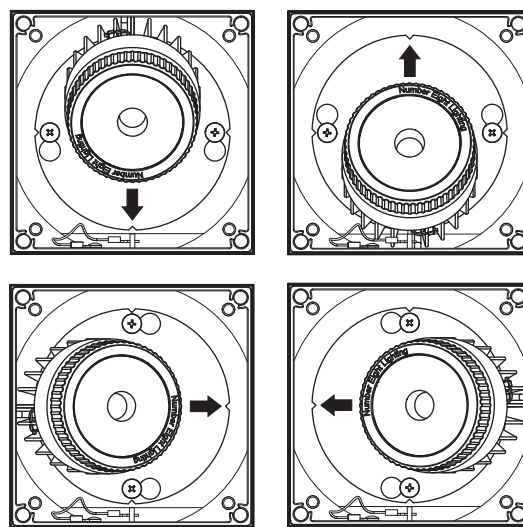


FIG 4.2 Remove/Replace K5/W5 Light Engines



Note: Two of the orientations shown at the right will require the Light Engine screws to be relocated as shown above.



All **W5** Wall Wash Light Engine orientations possible are shown above. Arrow points to direction of wall-See **FIG 5.1** on Page 5.

FIG 4.3 W5 Light Engine Orientation Adjustment



HOUSING INSTALLATION INSTRUCTIONS RECESSED MODEL SERIES 805

Light Engine Removal, Adjustment & Replacement (continued)

W5 Wall Aiming

STEP 1 Orient W5 Light Engine toward wall as shown in **FIG 5.1**.

STEP 2 Install WW-8 Trim Plate to be aligned to Light Engine-**FIG 5.2**.

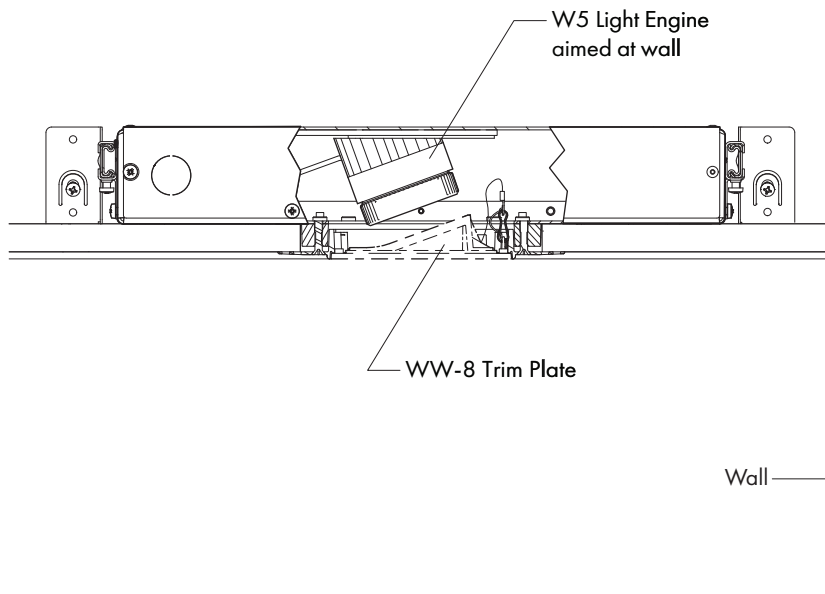


FIG 5.1 Orient Light Engine with Wall

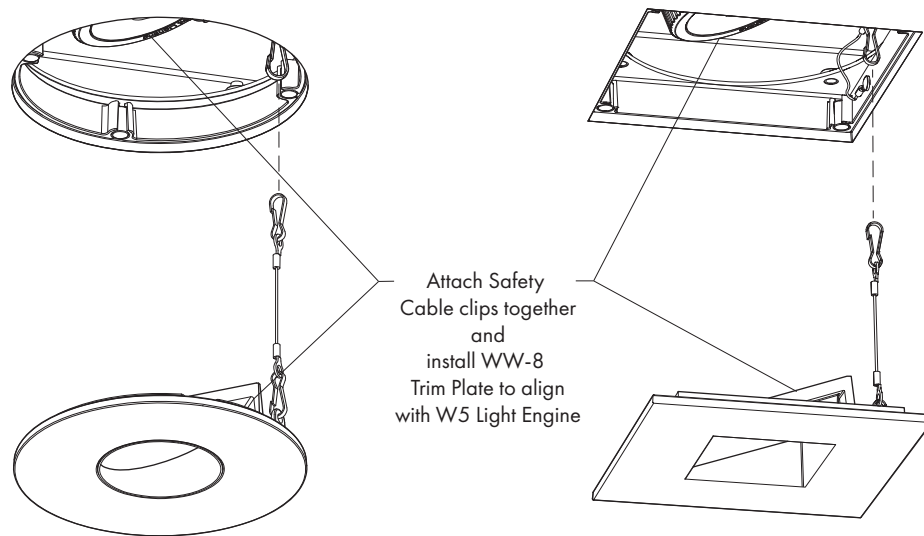


FIG 5.2 Align WW-8 Trim Plate with W5 Light Engine

HOUSING INSTALLATION INSTRUCTIONS RECESSED MODEL SERIES 805

Power Supply Access & Replacement

STEP 1 Remove Light Engine as shown in **FIG 4.1** & **FIG 4.2** on page 4.

STEP 2 Locate & loosen (DO NOT REMOVE) 2x Hex Lock Nuts as shown in **FIG 6.1**.

STEP 3 Move Sliding Bracket along slots to reveal Power Supply Module in the aperture (Position 2)—**FIG 6.2**.

STEP 4 Loosen Driver Bracket Screw & pull Power Supply Module through aperture & disconnect all wires—**FIG 6.2**.

STEP 5 Replace Power Supply Module by following steps 3, 2 & 1 above in reverse. Refer to Wiring Instructions on pages 7-9.

STEP 6 Move Sliding Bracket fully back to original position (to properly center Light Engine) & secure Hex Lock Nuts so Sliding Bracket cannot be moved.

STEP 7 Replace Light Engine—See **FIG 4.1** & **FIG 4.2** on Page 4.

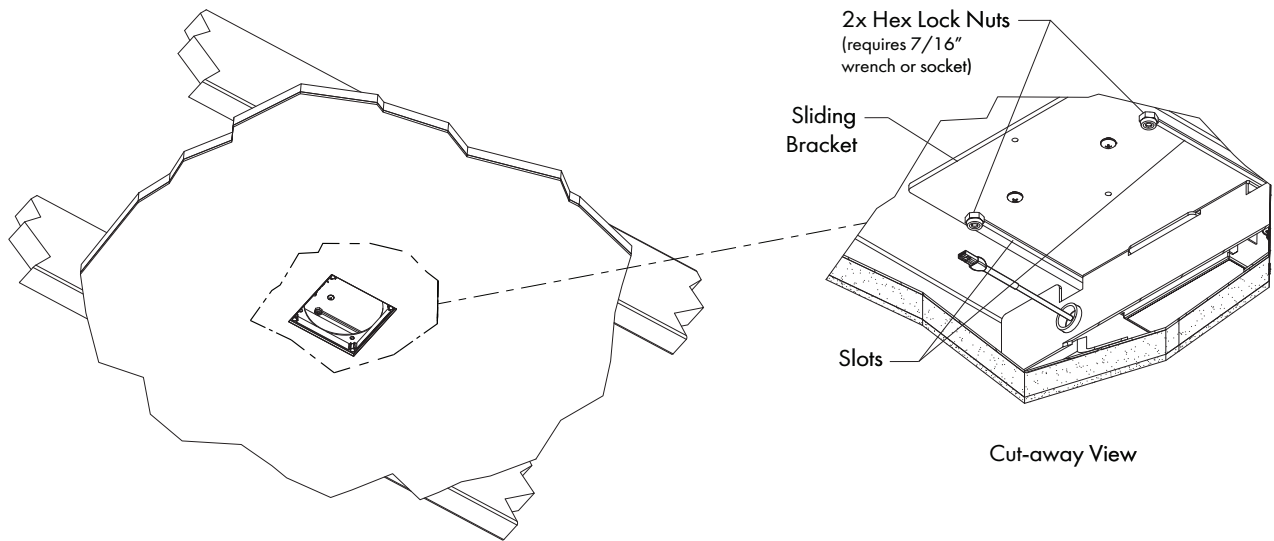


FIG 6.1 Loosen Hex Lock Nuts on Sliding Bracket

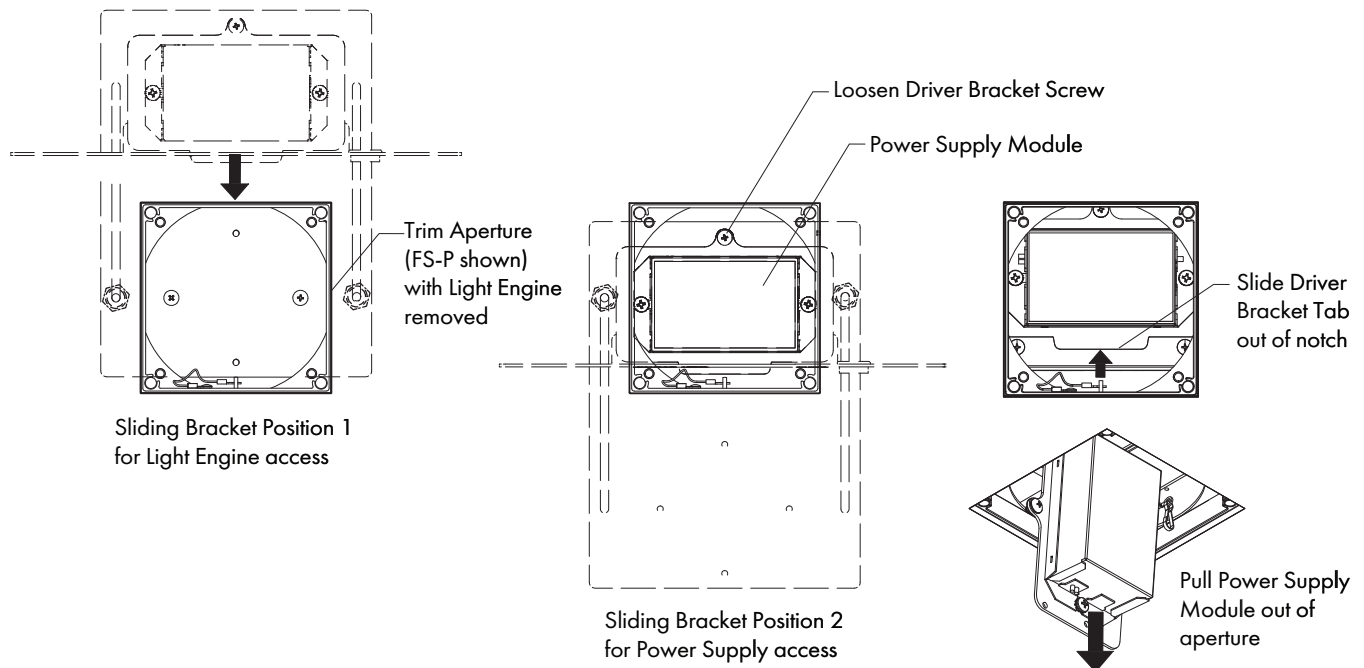


FIG 6.2 Move Sliding Bracket & Remove/Replace Power Supply Module

WIRING INSTRUCTIONS MODEL SERIES 805

For PR1 / EL1 / EL1-01 / EL2 / EL2-01 / LU4 Dimming Options

CAUTION: TO AVOID RISK OF FIRE OR ELECTRIC SHOCK

Turn off power at circuit breaker or fuse panel & read instructions completely before proceeding.

Failure to follow instructions may void warranty. Save these instructions.

- Installation must be by a qualified electrician only and must conform to National Electric code and local regulations.
 - Verify correct dimming system, lamp module, power supply type, and input supply requirements.
 - Always allow LED assembly to cool before servicing.
 - Do not install where insulation or ambient temperatures will exceed maximum values noted in product specifications.
- See www.8lighting.com for current product specifications.
- For multi-lamp refer to lighting plan to determine lamp circuit control configuration.

Wiring Instructions

STEP 1 Loosen screw & swing open wiring compartment cover. Cover can be fully removed or remain hanging. Pull out powerplug connector with black & white wires—**FIG 7.1 & 7.2.**

STEP 2 Remove available knock-out in housing & attach supply wire using a suitable wire connector—**FIG 7.1 & 7.2.**

Note: Supply wires must extend below housing bottom by 6" min.

STEP 3 Refer to Wiring Diagrams on pages 8 & 9 and wire accordingly.

STEP 4 Make wire connections & push all wires & connections completely inside wiring compartment—**FIG 7.1 & 7.2.**

Note: Ensure supply wiring does not interfere with full movement of Sliding Bracket.

STEP 5 Replace & secure wire access cover plate—**FIG 7.1.**

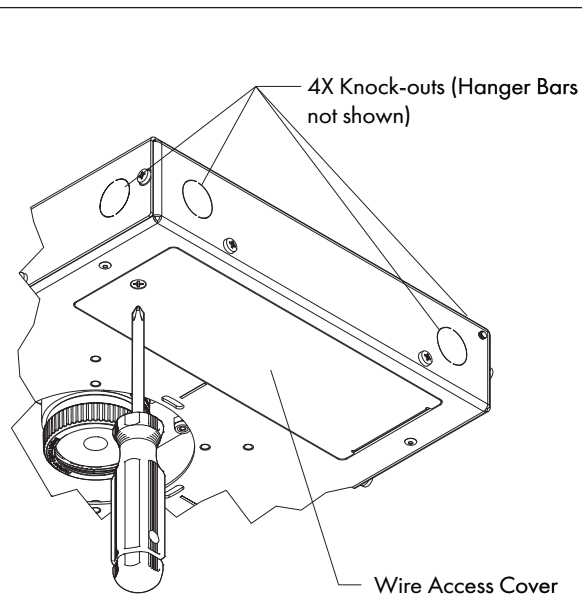


FIG 7.1 Knock-out locations & Wire Access Cover

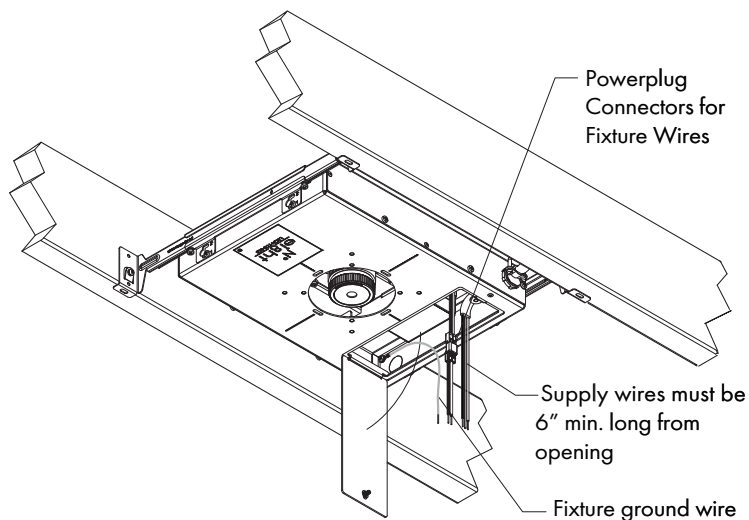
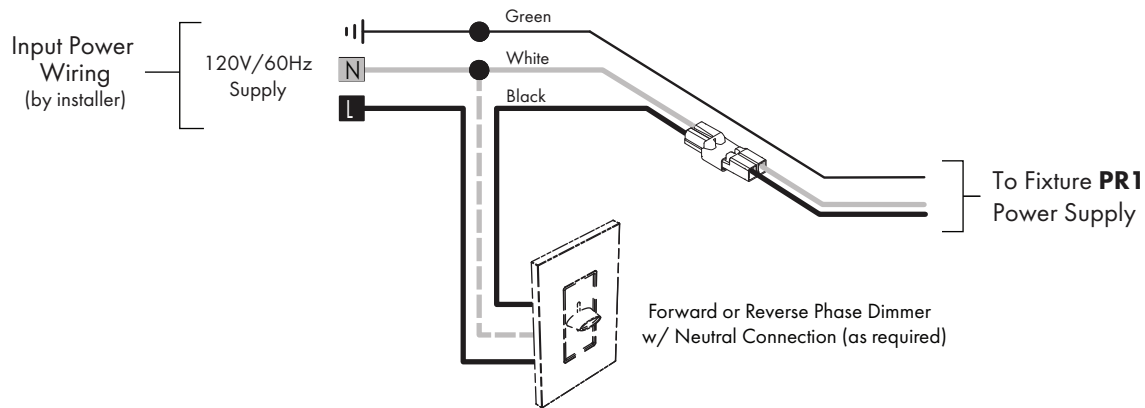


FIG 7.2 Fixture & Supply Wires

WIRING INSTRUCTIONS (Continued)

MODEL SERIES 805

PR1 - PHASE CONTROL



Phase Control Notes:

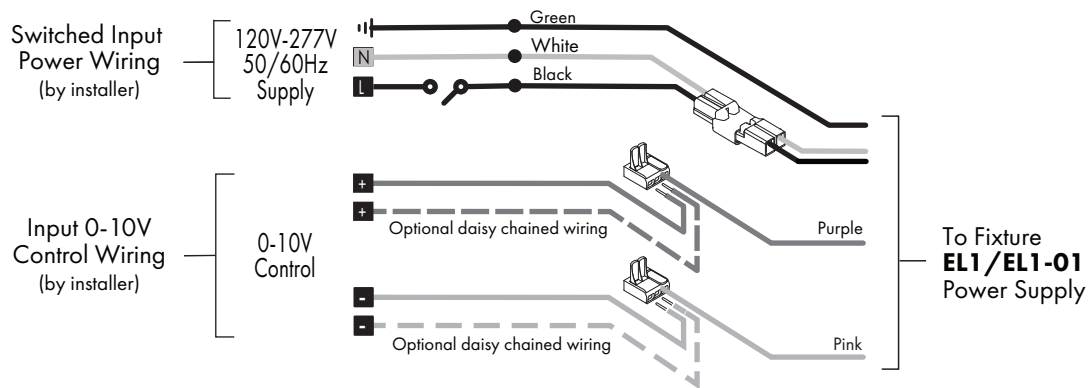
PR1 drivers are Forward or Reverse Phase dimmable.

For compatible dimmers for use with **PR1** drivers see: www.8lighting.com/resources-downloads

NOTE: For compatible dimmers for use with **PR1** drivers see www.8lighting.com/resources-downloads/

FIG 8.1 Wiring Diagram

EL1/EL1-01 - 0-10V CONTROL



0-10V Control Notes:

0-10V control wiring is polarity sensitive and should be run as Class 2.

300' is the maximum control wiring run length to reduce EMI susceptibility and voltage drop. Voltage drop should be no greater than 0.3V.

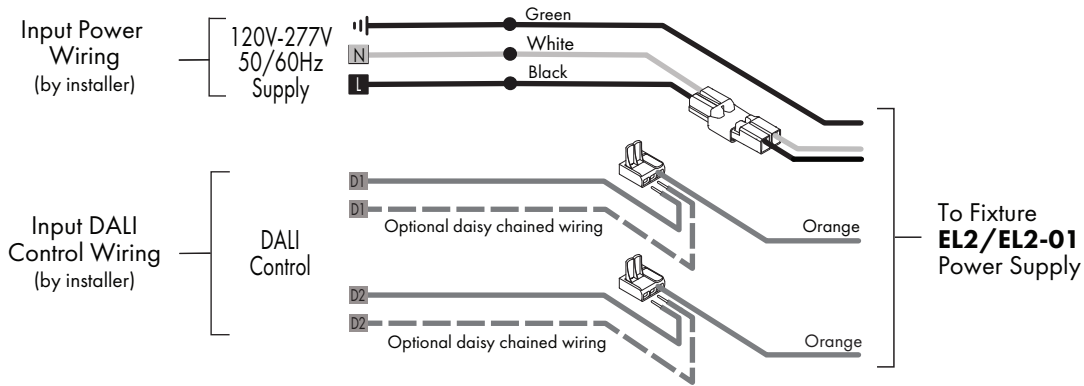
For compatible dimmers for use with **EL1/EL1-01** drivers see: www.8lighting.com/resources-downloads

FIG 8.2 Wiring Diagram

WIRING INSTRUCTIONS (Continued)

MODEL SERIES 805

EL2 / EL2-01 - DALI CONTROL



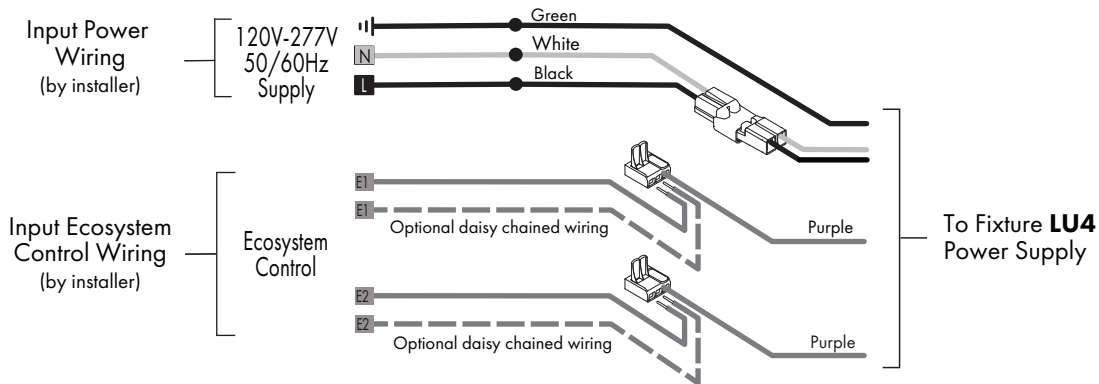
DALI Control Notes:

DALI control wiring is not polarity sensitive and can be run as Class 1 or 2. Up to 64 **EL2/EL2-01** power supplies can be daisy chained per DALI control loop. Maximum control wiring run length is 1000'.

For compatible dimmers for use with **EL2/EL2-01** drivers see: www.8lighting.com/resources-downloads.

FIG 9.1 Wiring Diagram

LU4 - LUTRON ECOSYSTEM CONTROL



Lutron Ecosystem Control Notes:

Up to 64 **LU4** power supplies can be daisy chained per Ecosystem control loop.

Maximum control wiring run length is 1000'.

For additional information, contact LED Center of Excellence at 1.877.346.5338 or LEDs@lutron.com

FIG 9.2 Wiring Diagram