N° eight LIGHTING ®

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.

HOUSING INSTALLATION INSTRUCTIONS
RECESSED HOUSING MODEL SERIES 804/804S

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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).

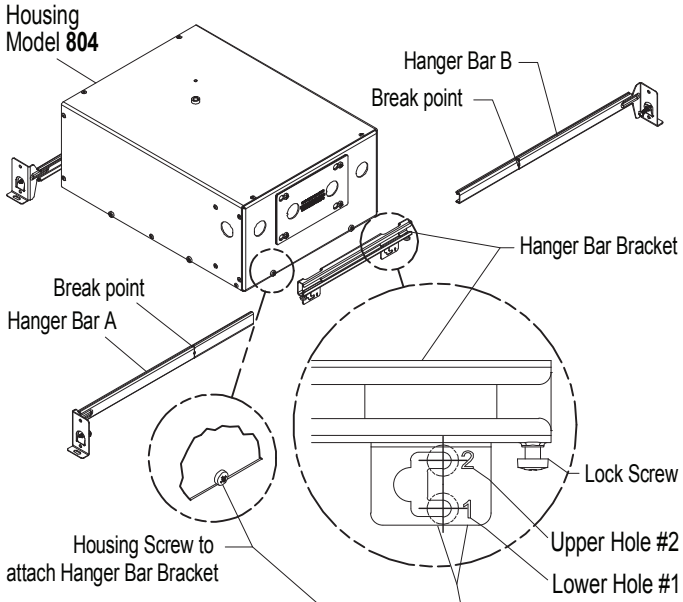
Note: For FS-P, FR-P & INS-P Trims, ceiling thickness is measured from face of ceiling joist to face of sheetrock. Ceiling thickness range and hole position applies to both P-1 & P-2 Trims. Refer to plaster trim installation instructions for additional details.

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.

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

End Mounting



Side Mounting

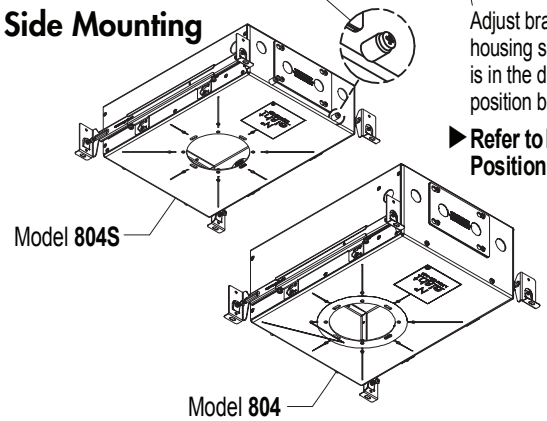
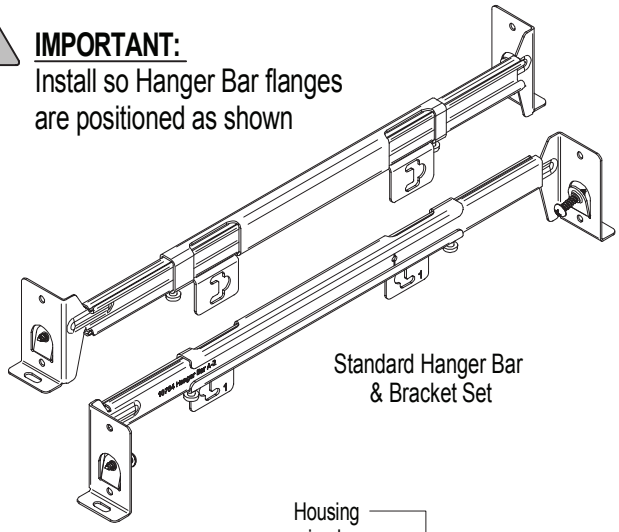
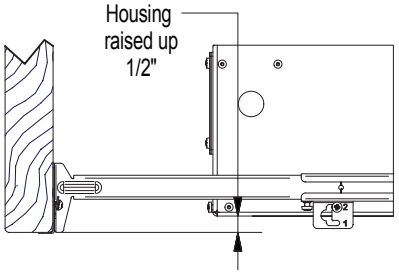


FIG 1.1 Installing Hanger Bar & Hanger Bracket Set

IMPORTANT:
Install so Hanger Bar flanges are positioned as shown





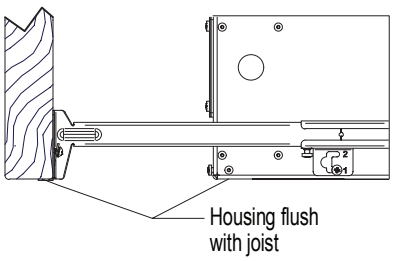


FIG 1.2 Hole Position & Housing Location

Caution

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

HOUSING INSTALLATION INSTRUCTIONS
RECESSED HOUSING MODEL SERIES 804/804S

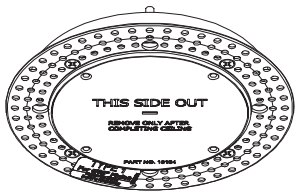
Trim Kits & Ceiling Cutouts

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

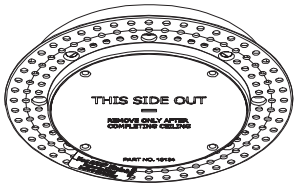
Important: Cutout location accuracy is critical, always double check measurements before cutting.

Trim Model

Round Trims



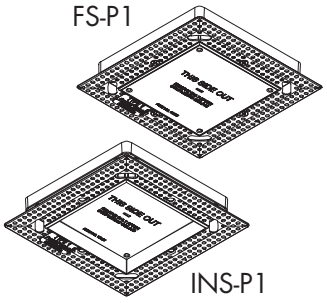
FR-P1



FR-P2

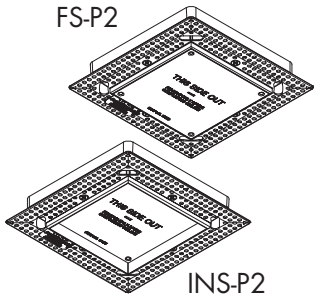
Square Trims

FS-P1



INS-P1

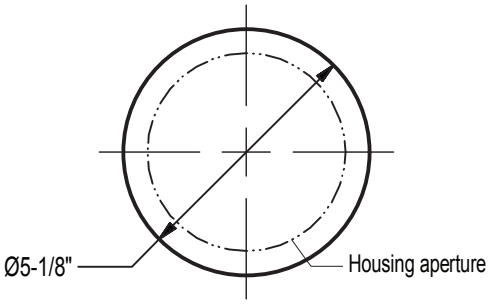
FS-P2

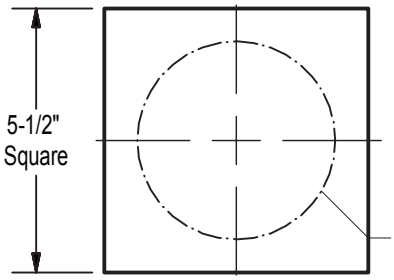


INS-P2

For Plaster/Sheetrock

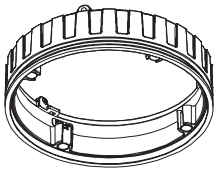
Cutout





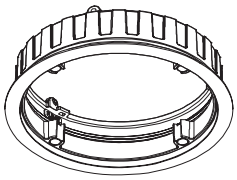
Trim Model

Non-Flanged



FR-W

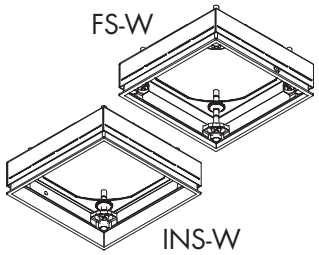
Flanged



FLR-W

Non-Flanged

FS-W

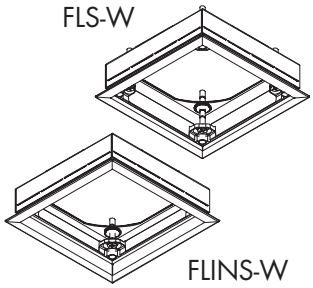


INS-W

Important: All FS-W & INS-W cutout corners must be sharp for non-flanged trims only.

Flanged

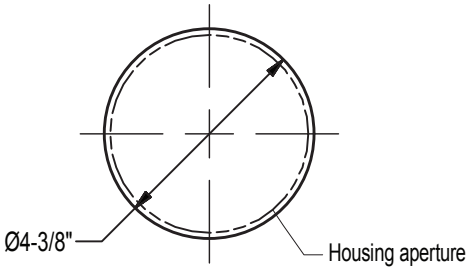
FLS-W

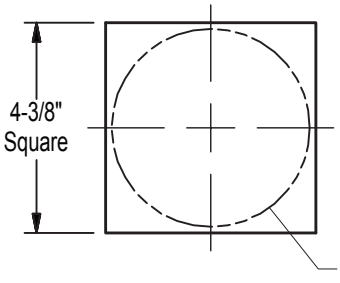


FLINS-W

For Wood/Stone

Cutout





HOUSING INSTALLATION INSTRUCTIONS
RECESSED HOUSING MODEL SERIES 804/804S

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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.

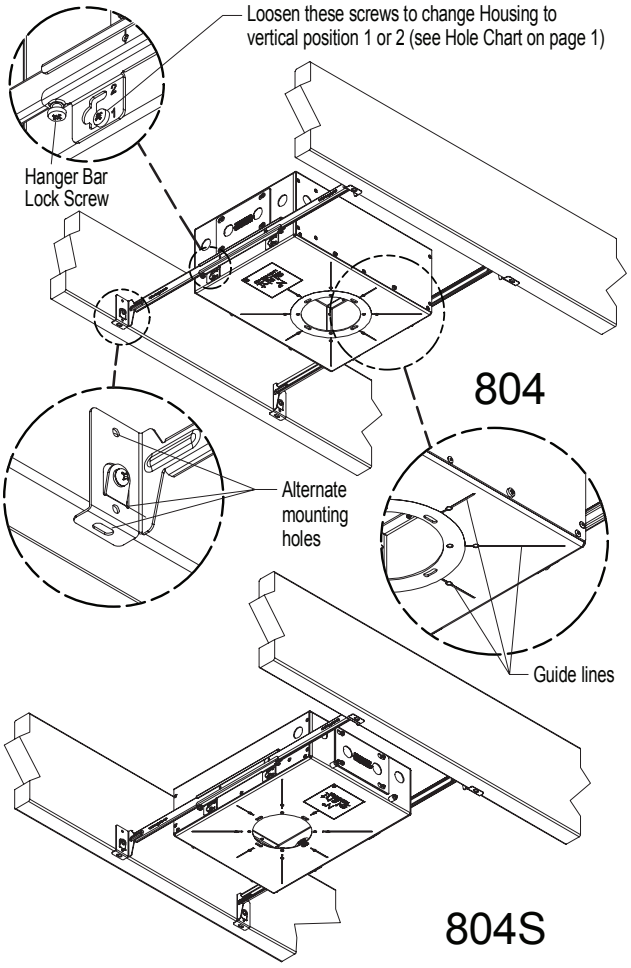


FIG 3.1 Fastening Housing to joists

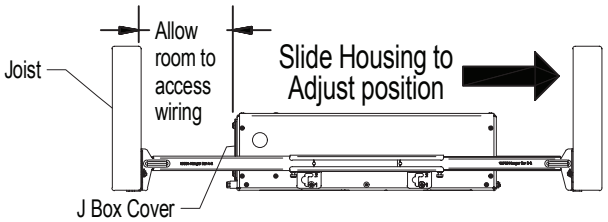


FIG 3.2 Horizontal Housing adjustment (Model 804S shown)

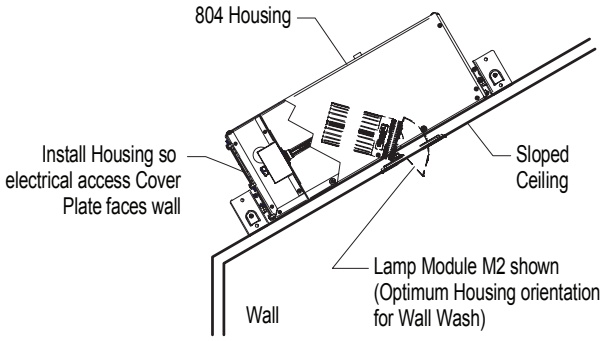
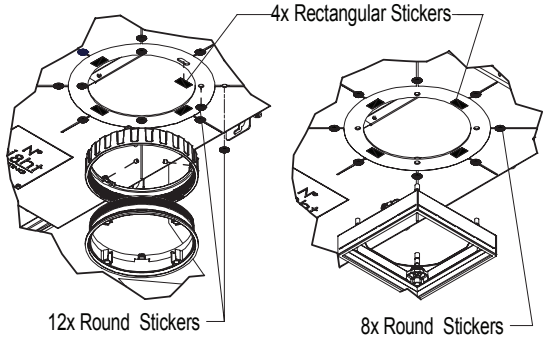


FIG 3.3 Recommended Sloped Ceiling Orientation (Model 804 shown)

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

Wood/Stone Ceiling



Plaster/Sheetrock Ceiling

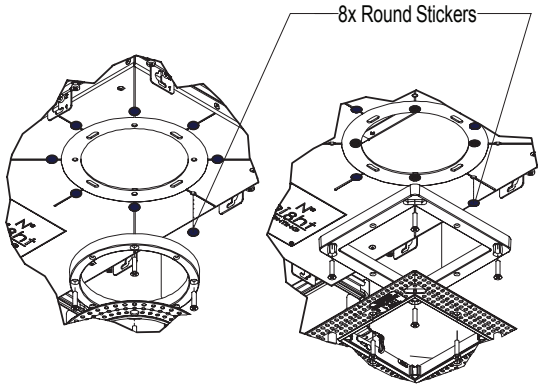


FIG 3.4 Sticker Application

804 & 804S WIRING INSTRUCTIONS
RECESSED HOUSING MODEL SERIES 804/804S

CAUTION: TO AVOID RISK OF FIRE OR ELECTRIC SHOCK
Read all installation instructions completely before proceeding. Failure to follow instructions may void warranties.
- Installation to be by a qualified electrician only.
- Installation must conform to National Electric Code and local regulations.
- **Turn off power at circuit breaker or fuse panel before proceeding.**

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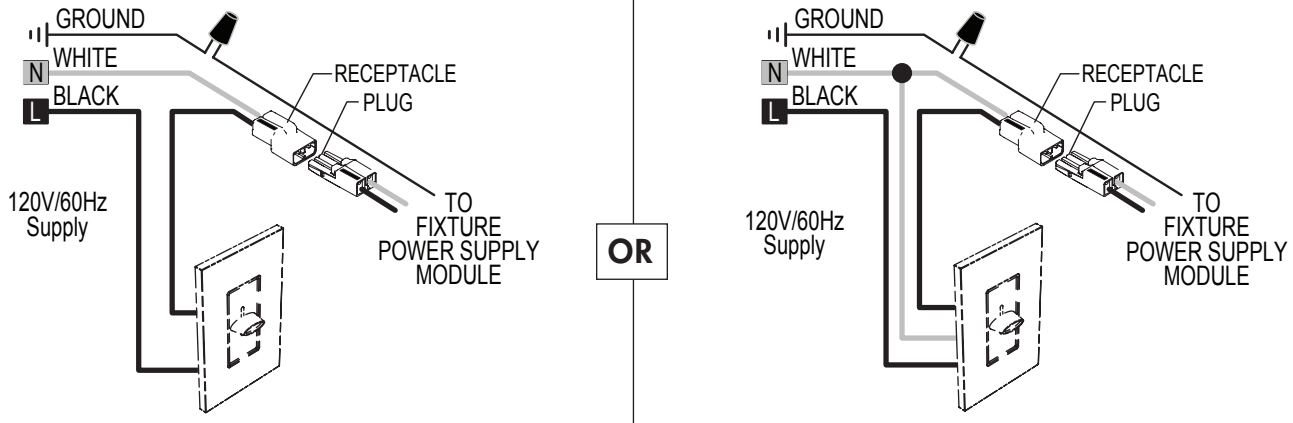
Wiring Connections

1. Verify correct dimming system, lamp module, power supply type, and input supply requirements – FIG 1.1 & 1.2.
Note To determine supply voltage required, refer to input label on Driver and Dimming System wiring instructions.
2. Connect driver output wires using electrical connectors at wiring compartment – FIG 1.2.
3. Push all wires & connections completely inside wiring compartment – FIG 1.2.
4. Install Cover using screws provided – FIG 1.2.

DIM1 / PR1 / LU1-120V



DIM 1, PR1
Forward or Reverse Phase Dimmer

DIM 1, PR1 & LU1 Neutral Wire Control
Forward Phase Dimmer

FIG 1.1 Wiring Diagram

NOTE: For compatible dimmers for use with DIM1 / PR1 drivers see **www.8lighting.com/LED compatibility**.
For compatible dimmers for use with LU1 drivers, contact Lutron LED Center of Excellence at 1.877.346.5338 or **LEDs@lutron.com.**

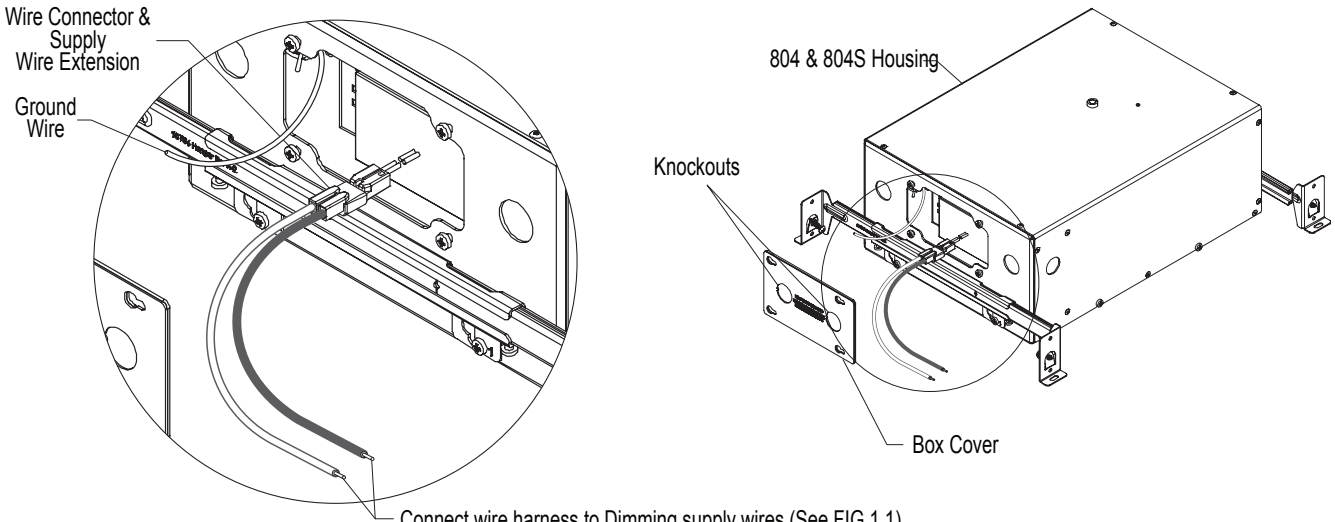


FIG 1.2 Wire Connections

Wiring Connections

1. Verify correct dimming system, lamp module, power supply type, and input supply requirements – FIG 2.1 & 2.2.
Note To determine supply voltage required, refer to input label on Driver and Dimming System wiring instructions.
2. Connect driver output wires using electrical connectors at wiring compartment – FIG 2.2.
3. Push all wires & connections completely inside wiring compartment – FIG 2.2.
4. Install Cover using screws provided – FIG 2.2.

DIM1 / EL1 / LU2 & LU4-120V-277V

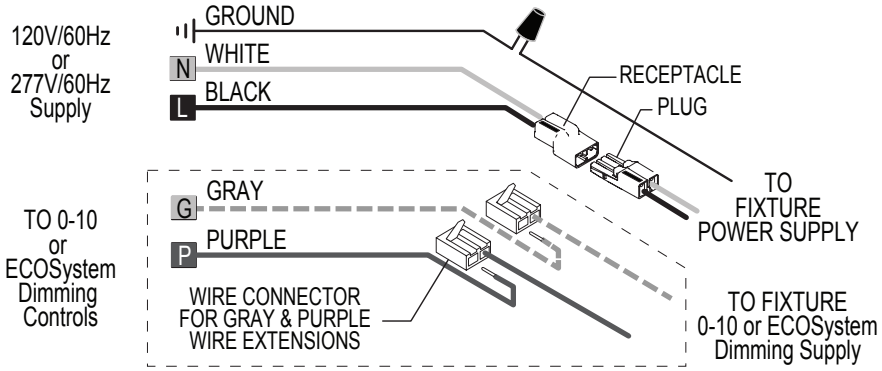


FIG 2.1 Wiring Diagram

NOTE: DIM2 / EL1 drivers at 0-10v dimmable. **LU2** & **LU4** drivers are Lutron EcoSytem dimmable.

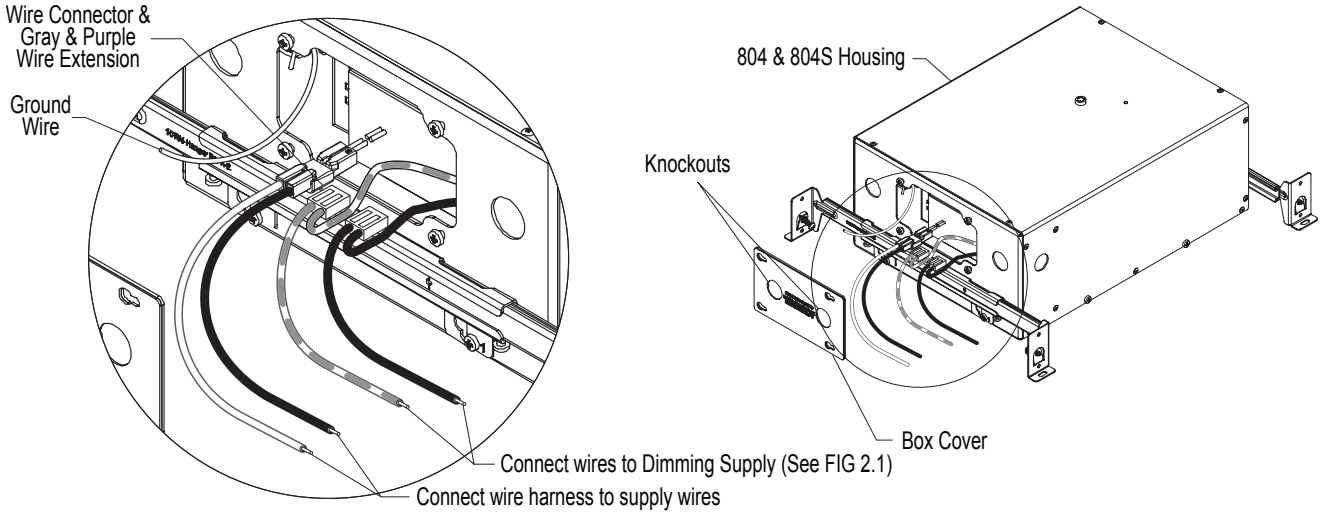


FIG 2.2 Wire Connections