

## INSTALLATION INSTRUCTIONS

Keep these instructions in a safe place for future use/reference

### IMPORTANT SAFETY INFORMATION – READ BEFORE INSTALLATION

#### WARNING:

Installation and all electrical connections must comply with the National Electrical Code (NEC) and all applicable local codes and standards. This fixture must be installed by a qualified, licensed electrician. Improper installation may result in electrical shock, fire, or injury.

#### RISK OF ELECTRIC SHOCK:

- Always disconnect power at the circuit breaker or fuse panel before installing, wiring, or servicing the fixture. Simply turning off the light switch is not sufficient.
- Confirm that the fixture is cool to the touch before handling.
- Ensure that the fixture input voltage matches the supply voltage before connecting.

#### SUPPLY WIRING REQUIREMENTS:

- This fixture requires supply wires rated at a minimum of 90°C.
- Most dwellings built before 1985 use wiring rated for only 60°C. If uncertain, consult a licensed electrician before proceeding.

#### INSTALLATION CONDITIONS:

- Suitable for dry locations only, unless otherwise stated on the fixture or manufacturer documentation.
- Fixture must be mounted to a covered ceiling or appropriate surface.
- Install only on a circuit protected by a Ground Fault Circuit Interrupter (GFCI).
- Maintain a minimum clearance of 6 inches from any curtains or combustible materials.

#### RE-LAMPING AND SERVICE

- LED and driver components are not user-serviceable. Return the fixture to the manufacturer for LED or driver replacement.
- LED fixtures must be installed on their own dedicated circuit.
- Do not connect incandescent, compact fluorescent, or HID fixtures to the same circuit as LED fixtures.
- Do not use non-rated accessories (e.g., surge protectors, photocells) on circuits with LED fixtures.

#### SURGE PROTECTION

- For installations without integrated surge protection, remote surge protectors (provided by others) are required. They must be installed upstream on the same circuit with no other devices between the protector and the LED fixture.
- Periodically inspect surge protection devices to ensure proper function and continued protection of LED components.

By following these instructions, you help ensure safe and proper operation of your lighting system. If you have any questions, consult a qualified professional or contact the manufacturer.

WARNING:



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.



Small



Medium



Large



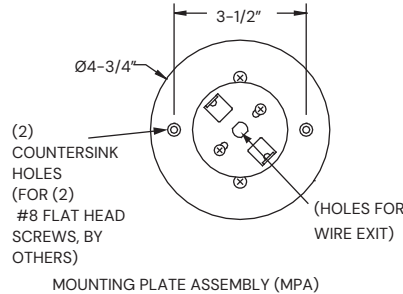
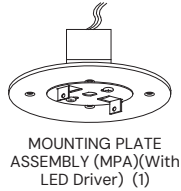
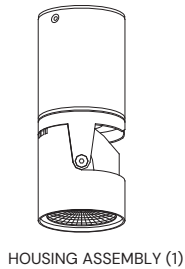


## CEILING MOUNT INSTALLATION INSTRUCTIONS

### Components / Parts

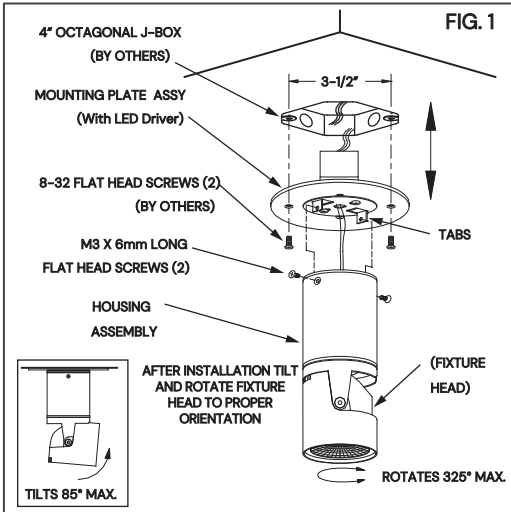
### Components Dimensions

### Tools Required



- #1 and #2 Phillips Head Screwdriver
- Wire Connectors
- Hardware (screws, nuts, etc.)

DO NOT USE POWER TOOLS. ONLY USE HAND TOOLS.



1. If necessary, remove the Mounting Plate Assembly (MPA) from the Housing Assembly by loosening the two (2) M3 screws on the sides of the fixture (see FIG. 1).
2. The Mounting Plate Assembly is designed to fit a standard 4" octagonal junction box (J-BOX) or other junction boxes with 3-1/2" hole/screw spacing. Ensure that the threaded holes on the junction box align with the mounting plate.
3. Install electrical wiring inside the ceiling-mounted J-BOX as needed.
4. Connect the power supply wiring from the J-BOX to the fixture wiring from the LED driver. Refer to the "Wiring" section below.
5. Secure the Mounting Plate Assembly (which houses the LED driver) to the J-BOX using appropriate hardware (by others). Do not disconnect or pull on the wires connecting the Housing Assembly to the LED driver.
6. Align the two (2) tabs on the Mounting Plate Assembly with the corresponding slots in the Housing Assembly (see FIG. 1).
7. Using a #1 screwdriver, tighten the M3 screws until they are flush with the outside of the housing. Do not overtighten.

### Changing the Reflector (See FIG. 4)

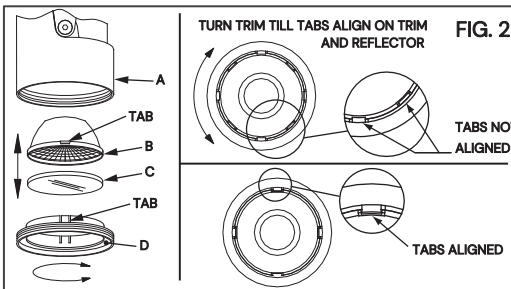
1. Remove the fixture from the mounting surface. Point the Housing (A) downward. While applying light pressure, turn the Trim (D) counterclockwise to unscrew and remove it along with the Glass Lens (C) and Reflector (B).
2. Twist the Reflector (B) until its tab aligns with the slot in the Trim (D). Remove the Reflector and Glass Lens (if necessary).
3. Insert the new Reflector (B) into the Trim (D) and reassemble. Reinstall the Trim into the housing by hand until snug. Do not overtighten.

### Relamping

1. This fixture uses an integrated LED module and driver. For LED or driver replacement, return the fixture to Alcon Lighting for servicing.

### Wiring Instructions

- **Note:** Verify that the fixture's input voltage matches the supply voltage prior to wiring.
  - a. Connect the ground wire (green or bare copper/aluminum) from the supply to the ground wire or grounding screw on the fixture.
  - b. Connect the neutral (white) wire from the power supply to the neutral wire from the fixture.
  - c. Connect the line (hot) wire from the power supply to the line wire from the fixture.
  - d. Use UL-Listed wire nuts or connectors (by others) to secure all connections. Wrap with UL-Listed electrical tape as required for added safety.



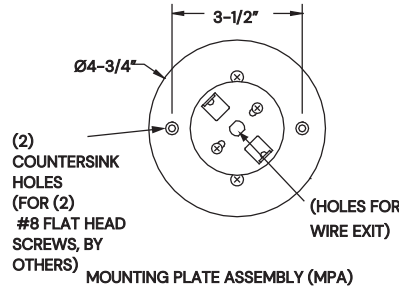
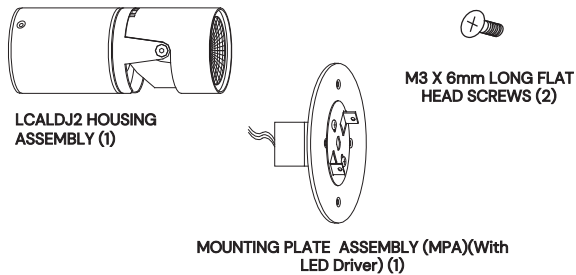


## WALL MOUNT INSTALLATION INSTRUCTIONS

### Components / Parts (LCALDJ2)

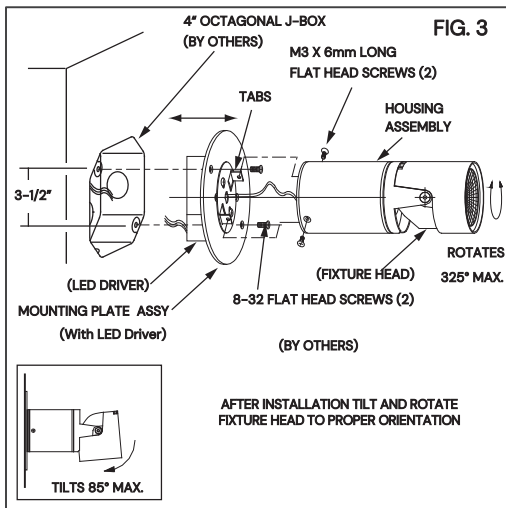
### Components Dimensions

### Tools Required



- #1 and #2 Phillips Head Screwdriver
- Wire Connectors
- Hardware (screws, nuts, etc.)

DO NOT USE POWER TOOLS. ONLY USE HAND TOOLS.



1. If necessary, remove the Mounting Plate Assembly (MPA) from the Housing Assembly (see FIG. 1) by loosening the two (2) M3 screws located on the sides of the fixture.
2. The MPA is designed to mount to a standard 4" octagonal junction box (J-BOX) or other boxes with 3-1/2" hole/screw spacing. Ensure the threaded holes in the J-BOX align with those in the MPA.
3. Run wiring into the junction box as required.
4. Connect the power supply wiring from the J-BOX to the fixture wiring from the LED driver. See the "Wiring" section below.
5. Secure the MPA (with the LED driver attached) to the J-BOX using appropriate hardware (by others). The LED driver is designed to fit inside a 4" octagonal J-BOX (see FIG. 3). Do not pull or disconnect wires between the Housing Assembly and the LED driver.
6. Align the two (2) tabs on the Mounting Plate Assembly with the corresponding slots in the Housing Assembly (see FIG. 3).
7. Using a #1 screwdriver, tighten the M3 screws until they are flush with the outside of the housing. Do not overtighten.

### Changing the Reflector (See FIG. 4)

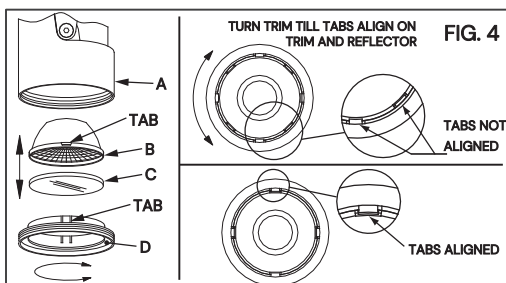
1. Remove the fixture from the mounting surface. Point the Housing (A) downward. Press lightly and turn the Trim (D) counterclockwise to unscrew and remove it, along with the Glass Lens (C) and Reflector (B).
2. Rotate the Reflector (B) until its alignment tab lines up with the slot in Trim (D). Push up to remove the Reflector and Glass Lens (as needed).
3. Insert the new Reflector (B) and reassemble in reverse order. Screw the Trim (D) back into the housing until snug. Do not overtighten.

### Relamping

1. This fixture uses an integrated LED module and driver. For LED or driver replacement, return the fixture to Alcon Lighting for servicing.

### Wiring Instructions

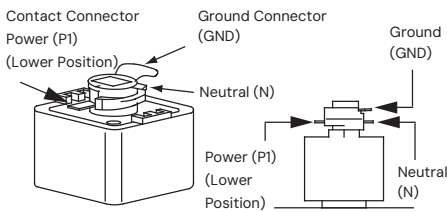
- **Note:** Verify that the fixture's input voltage matches the supply voltage prior to wiring.
  - a. Connect the ground wire (green or bare copper) from the supply circuit to the ground wire, screw, or connector from the fixture.
  - b. Connect the neutral (white) wire from the supply circuit to the neutral wire from the fixture.
  - c. Connect the line (black) wire from the supply circuit to the line wire from the fixture.
  - d. Use only UL-Listed wire nuts/connectors (by others) appropriate for the wire type and size. Wrap connections with UL-Listed electrical tape as needed.



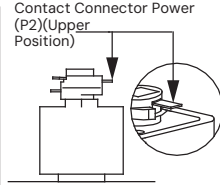


## Track Mount with Single (1CCT) or Dual (2CCT) Circuit INSTALLATION INSTRUCTIONS

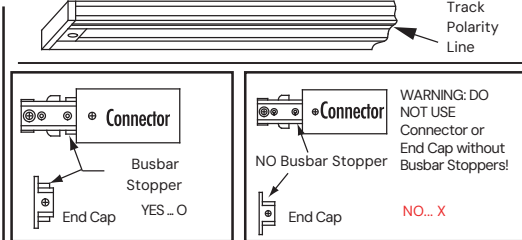
### Components/Parts



TRACK MOUNT (CONNECTED TO FIXTURE) (in Lower Position - P1) (1) (For use with Single or Dual Circuit Track)



TRACK MOUNT (In Upper Position - P2. For use with only Dual Circuit Track)



SINGLE and DUAL CIRCUIT TRACK AND PARTS (ORDERED SEPARATELY). NOT ALL PARTS SHOWN FOR CLARITY

• No tools required.

• For single and dual circuit track parts installation see Track Installations instructions.

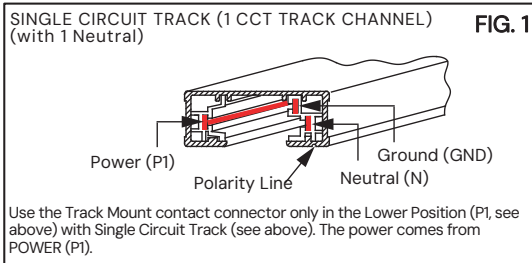


FIG. 1

### WARNING:

- Only use Alcon Lighting track components with the Track Mount. Do not attempt to install this fixture onto track systems or components from other manufacturers.
- To prevent fire or electrical shorting, never use connectors or end caps without Busbar Stoppers. Refer to image with the "NO...X" mark for prohibited configurations.
- Always disconnect power at the source before installation, wiring, or maintenance.

### INSTALLATION STEPS

1. Install the Liton track according to the appropriate track installation instructions.
2. Identify the track type installed:
  - a. Single Circuit Track (see FIG. 1)
  - b. Dual Circuit Track (see FIG. 2)
3. **CAUTION:** Ensure the power contact conductor on the track head is positioned correctly:
  - a. For Single Circuit Track: Set the power contact to the lower position (P1).
  - b. For Dual Circuit Track: Set the contact to the lower position (P1) for the first circuit or to the upper position (P2) for the second circuit.
  - c. Adjust the contact conductor by gently pushing it up or down to reach the correct position. Each circuit in the Dual Circuit Track is rated for 2400W, allowing independent control of two sets of fixtures.
4. Locate the polarity line on the track and the ground contact side of the Track Mount (see FIG. 2 and FIG. 3).
5. Pull down on the locking lever of the track mount and insert the adapter contacts into the corresponding slots of the Liton Single or Dual Circuit Track (see FIG. 3).
6. Rotate the LPTM4 Track Mount 90° (¼ turn) until the ground contact side (with two contacts) aligns with the track's polarity line (see FIG. 17). Ensure the locking lever snaps back into place to secure the fixture.
  - a. Do NOT position the ground contact side on the opposite side of the polarity line.
7. To remove the fixture, pull down on the locking lever and rotate the mount 90° (¼ turn) in the reverse direction.

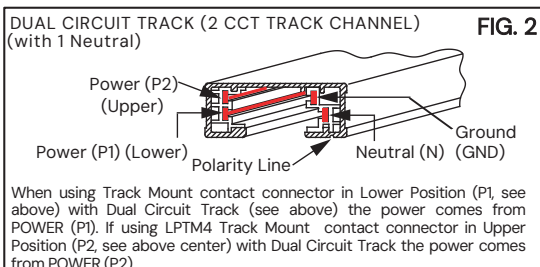


FIG. 2

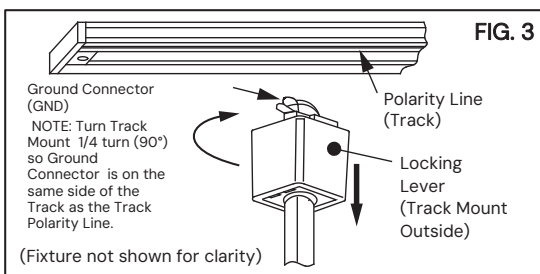


FIG. 3



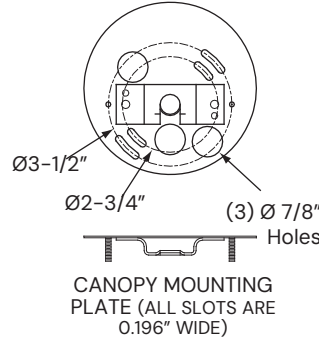
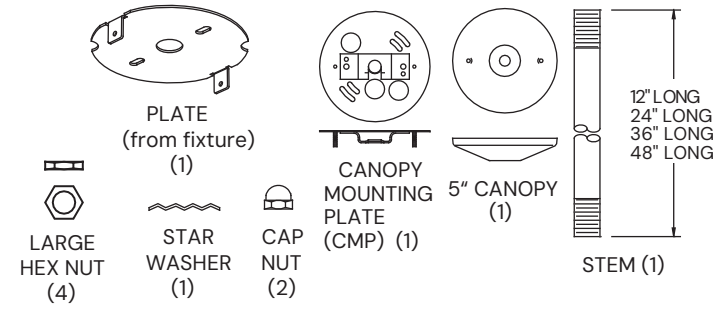
## PENDANT STEM MOUNT INSTALLATION INSTRUCTIONS

P12, P24, P36, P48

### Components / Parts

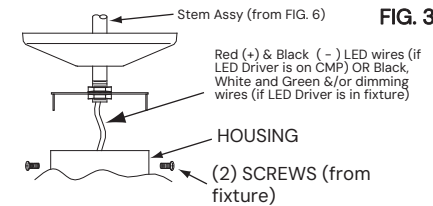
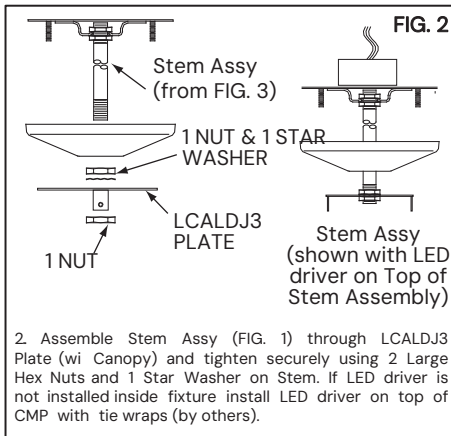
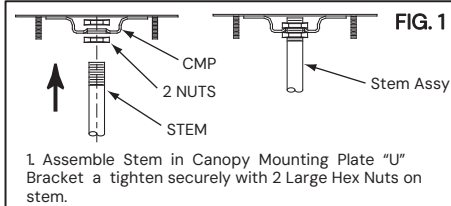
### Components Dimensions

### Tools Required



- Phillips Head Screwdriver
- Crescent/Adjustable Wrench(s)
- Wire Connectors/Cord (Rated at 90°C minimum temperature)
- Hardware (screws, nuts, etc.)
- DO NOT USE POWER TOOLS.
- ONLY USE HAND TOOLS.

NOTE: If Stem Assembly parts (see above) are assembled (see FIG. 2) when removed from box then go to FIG. 3 (right). If not then go to FIG. 1 (below).



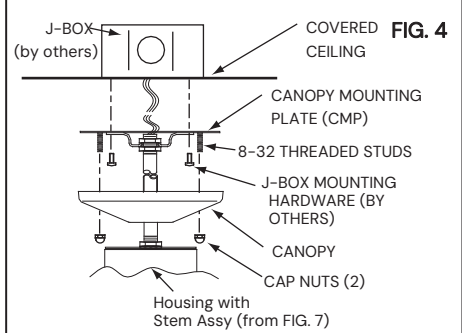
### Installation Instructions

#### WARNING:

- Always verify the fixture's input voltage before making any electrical connections.
- All wiring must be performed inside a certified junction box (J-box) and comply with local and national electrical codes.
- Refer to the appropriate wiring diagrams or charts for dimming configurations.

#### STEP-BY-STEP INSTALLATION

- If the LED driver is mounted on top of the Canopy Mounting Plate (CMP):
  - Feed the red and black wires from the fixture through the stem.
  - Connect these wires to the corresponding red (+) and black (-) wires from the LED driver located above the CMP.
  - Use UL-listed wire nuts/connectors suitable for the conductor size, and wrap connections with UL-listed electrical tape rated for 90°C (provided by others).
- If the LED driver is housed within the fixture:
  - Feed the black (line), white (neutral), green (ground), and any dimming wires from the fixture through the stem to the top of the canopy.
- Mounting Plate Installation:
  - Align the two tabs on the mounting plate with the corresponding slots in the top of the housing assembly (see FIG. 1).
- Secure the Fixture:
  - Using a #1 screwdriver, tighten the M3 set screw until it is flush with the outside surface of the housing.
  - Do not overtighten.
- Electrical Connections:
  - Inside the junction box, connect the incoming supply wires to the fixture/driver wires:
- Ground wire (green or bare copper) to the fixture ground screw/connector.
  - Neutral (white) wire from the supply to the neutral wire from the fixture.
  - Line (black) wire from the supply to the line wire from the fixture.
- Finalize Connections:
  - Secure all connections with UL-listed wire nuts/connectors.
  - Wrap each connection with UL-listed electrical tape rated for 90°C, as required (provided by others).



NOTE: If LED driver is on top of CMP use only 4" octagonal j-box (or larger) that will support the fixture and that will fit LED driver (that is on top of CMP) inside j-box. If LED driver is inside fixture use any size j-box that will support the fixture and mount to the canopy mounting plate.

8. Secure CMP (with Stem Assy and fixture) to Covered Ceiling J-BOX (by others) using J-BOX hardware. 10.0 ut Canopy up through 8-32 threaded studs in Canopy Mounting Plate (CMP) and secure tightly with supplied two (2) Cap Nuts.





## PENDANT SLOPED CEILING STEM MOUNT INSTALLATION INSTRUCTIONS

### Outdoor Installation for Covered Ceiling Mount only (Damp Location)

- **Danger:** Always disconnect power before wiring, or maintenance. Fixture must be installed by a qualified electrician. Do not install in locations where water collects and/or stands for prolonged periods of time. Fixture must always be installed according to local and national electrical codes, rules & regulations. Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).
  - **Warning:** The joint MUST be sealed between the mounting surface (e.g., wall, ground, ceiling, etc.) and the fixture with an appropriate sealing / caulking compound to provide a watertight seal. Seal all conduit opening(s) and opening(s) from water entry. Before service ensure fixture is cool to touch. Always ensure that all gaskets and sealing surfaces are free of dirt and debris.
  - LED fixture(s), LED driver(s) and LED electrical components are more precise electrically than standard non LED products (e.g. Incandescent, Compact Fluorescent, H.I.D., etc.). Please follow the following guidelines /requirements when installing LED fixture(s)/LED driver(s).
1. Install LED fixture(s) and/or LED driver(s) only on their own circuit. Do not mix any other non LED products/ fixtures (e.g., Incandescent, Compact Fluorescent, H.I.D., etc.) with LED fixture(s)/LED driver(s) on a single circuit.
  2. Do not use any other electrical equipment (e.g., surge protectors, photocells, etc.) that is not (rated) for use with LED fixture(s)/LED driver(s) on the same circuit as LED fixture(s)/LED driver(s).
  3. Use GFCI's (by others) on each circuit (per installation instructions) appropriate for the installation.
  4. Install remote surge protector(s) (by others, goes on the circuit with nothing between the surge protector and the LED fixture(s)/LED driver(s) ), if the fixture is not already installed with a surge protector, to help remove power surges that may harm LED fixture(s), appropriate for the installation. Periodically check and make sure that your remote surge protector(s) are in good working order.

### Indoor Installation for Covered Ceiling Mount only (Dry or Damp Location)

**Important:** Please read and understand all instructions completely before installing this fixture.

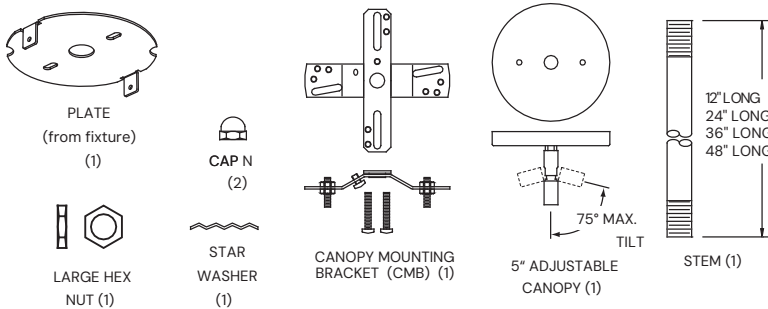
**WARNING:**

- Fixture installation (and use) and all electrical connections must be in accordance with local and National Electrical Codes (N.E.C.) rules, regulations and standards. If you are unfamiliar with installing fixture(s), accessories and/or electrical wiring have a qualified licensed electrician install this fixture for you. Fixture should be installed by a qualified electrician.
- RISK OF SHOCK. House electric current can cause painful shock or serious injury.. WARNING: Always disconnect power before fixture installation, wiring, or maintenance.en WARNING: Before starting the wire connections, disconnect the power by turning off the circuit breaker or removing the fuse at the fuse panel. Turning the power off using the light switch is not sufficient to prevent electrical shock.
- This luminaire must be connected with supply wire/conductors rated at 90°C. Most dwellings built before 1985 have supply wire rated at 60°C; consult a qualified electrician before installing.
- Before service insure fixture is cool to touch.
- Check fixture for input voltage before connecting power to fixture.
- RISK OF SHOCK. This fixture is suitable for dry and damp locations. For covered ceiling mount only.
- Do not install any fixture or assembly (etc.) closer than 6" from any curtain, or similar combustible material.
- Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).
- Install LED fixture(s)/LED driver(s) only on their own circuit. Do not mix any other products (Incandescent, Compact Fluorescent, H.I.D. products/fixtures, etc...) with LED fixture(s)/LED driver(s) on a single circuit.
- Do not use any other electrical equipment (example: surge protector photocell, etc.) that is not (rated) for use with LED fixture(s)/LED driver(s) on the same circuit as LED fixture(s)/LED driver(s).
- Install remote surge protector(s) (by others, goes on the circuit with nothing between the surge protector and the LED fixture(s)/LED driver(s)), if the fixture is not already installed with a surge protector, to help remove power surges that may harm LED fixture(s), appropriate for the installation. Periodically check and make sure that your remote surge protector(s) are in good working order.

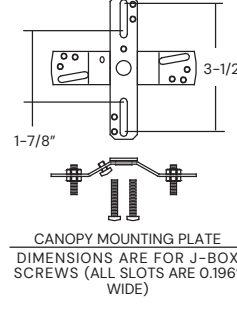


## PENDANT SLOPED CEILING STEM MOUNT INSTALLATION INSTRUCTIONS

### Components / Parts Plate with SLOPED CEILING STEM MOUNT



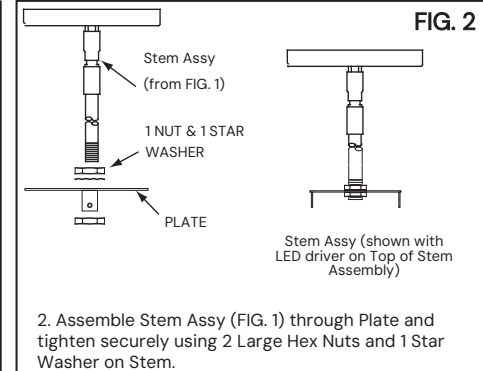
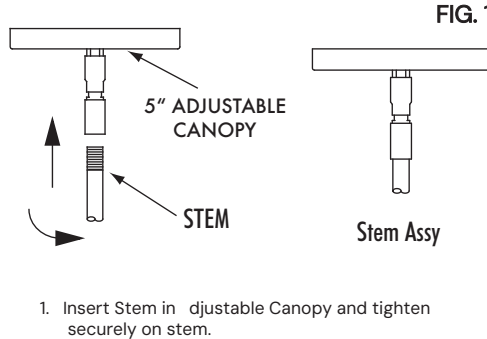
### Components Dimensions



### Tools Required

- Phillips Head Screwdriver
- Crescent/Adjustable Wrench(s)
- Wire Connectors/Cord (Rated at 90°C minimum temperature)
- Hardware (screws, nuts, etc.)
- DO NOT USE POWER TOOLS.
- ONLY USE HAND TOOLS.

NOTE: If Stem Assembly parts (see above) are assembled (see FIG. 2) when removed from box then go to FIG. 3 (page 2). If not then go to FIG. 1 (right).



2. Assemble Stem Assy (FIG. 1) through Plate and tighten securely using 2 Large Hex Nuts and 1 Star Washer on Stem.

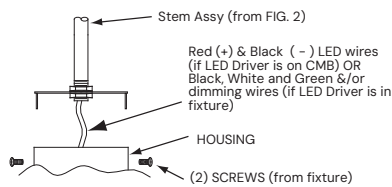


FIG. 3

**WARNING:** Check fixture for input voltage before connecting power to fixture. Connect wiring only in j-box. For dimming information (wiring diagrams, chart, etc.).

- LED driver is on top of CMB: Feed red and black wires (supplied) from the fixture through the stem and connect to the secondary LED Driver red and black wires on top of the CMP. Connect red (+) to red (+) wires and black (-) to black (-) wires using UL Listed wire nuts/connectors for the appropriate conductor wire size and then with UL Listed Electrical tape rated at 90°C (by others, as required) and go to step 5 below.
- LED driver is inside fixture: Feed black, white, green wires or cord (supplied, and a dimming wire) from fixture through the stem to the top of the canopy.
- Align the two (2) tabs on the Mounting plate to the slots in the top of the Housing Assembly (FIG. 1).
- Tighten M3 screw with #1 screw driver in housing until set screw is flush with outside of housing. Do not over tighten screws.
- Connect supply circuit wire/conductors to the fixture/LED driver wires (ground wire green or bare copper to screw/connector from the fixture, neutral (common) wire in the stem to the neutral wire from the fixture and last the line/lead wire in the stem to the line (lead) wire from the fixture) inside the j-box.
- Secure connection using UL Listed wire nuts/connectors and then with UL Listed Electrical tape rated at 90°C (by others, as required), appropriate for the connection.

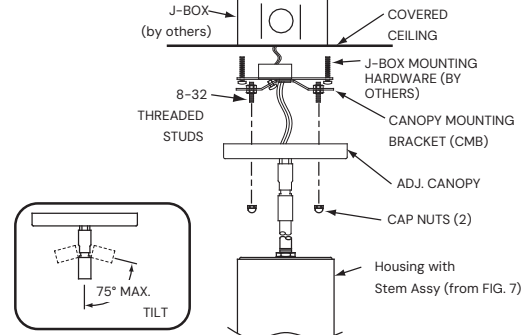


FIG. 4

**NOTE:** If the LED driver is on top of CMB use only 4" octagonal j-box (or larger) that will support the fixture and that will fit LED driver (that is on top of CMB, shown above) inside j-box. If LED driver is inside fixture use any size j-box that will support the fixture and mount to the canopy mounting bracket.

- Secure CMB (with Stem Assy and fixture) to Covered Ceiling J-BOX (by others) using J-BOX hardware.
- Put Canopy up through 8-32 threaded studs in Canopy Mounting Plate (CMP) and secure tightly with supplied two (2) Cap Nuts.
- Secure Canopy Mounting Bracket (CMB) to Covered Ceiling J-BOX (by others) using J-BOX hardware others).
- Secure Stem Assy (with LCALDJ3 attached) to Canopy Mounting Bracket (CMB) by putting Adjustable Canopy up through 8-32 threaded studs in Canopy Mounting Bracket (CMB) and secure tightly with supplied two (2) Cap Nuts. Hang fixture straight down. J-box can be on a ceiling sloped/tilted to 75° maximum.