



Larson Electronics LLC www.LarsonElectronics.com sales@larsonelectronics.com

9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364

EPLC2-175MH

INSTALLATION INSTRUCTIONS FOR FIXTURE MOUNTS

WARNING: Risk of shock. Disconnect power before servicing.

WARNING: This fixture must be grounded as required by the National Electric Code (Paragraph 410-21 and Article 250) or Canadian Electric Code (Rule 30-500 and Section 10). Failure to properly ground the fixture mount will create an electrical shock hazard which can cause serious injury or death.

NOTE: Do not attempt installation until you are familiar with all precautions and procedures outlined within this instruction sheet.

- Installation requires sealed entry (conduit or cable)
- Unused conduit entries to be plugged
- Conduit entry plug to engage a minimum of 3 full threads

PENDANT AND STANCHION TYPE MOUNTS

1. Screw the fixture mount onto previously installed conduit. A minimum of 3 threads must be engaged between the conduit and the mount.
2. Tighten the conduit locking screws "A" to 30 inch pounds.

CEILING AND WALL TYPE MOUNTS

1. Install the fixture mount to the appropriate mounting surface by means of external mounting lugs "B".
STD Ceiling MT. -12-3/4" Bolt circle
MINI Ceiling MT. -9-5/8" Bolt Circle
STD Wall MT. -2.50"x2.80" Bolt Pattern
MINI Wall MT. -3-3/4"x3-3/4" Bolt Pattern
2. Install conduits. Plug any unused conduit entries with the supplied close-up plugs "C". A minimum of 3 threads must be engaged between the conduit or close-up plug and mount.

4" OUTLET BOX TYPE MOUNTS

1. Install the fixture mount to previously installed 4" outlet box using supplied gasket and screws.
2. Tighten mounting screws "D" to 30 inch pounds.

THREADS REFRACTOR AIMING

If the fixture to be installed on this mount is a fixture with a one piece, threaded, non-symmetrical type refractor, the fixture must be aimed as shown in the illustration (Position E).

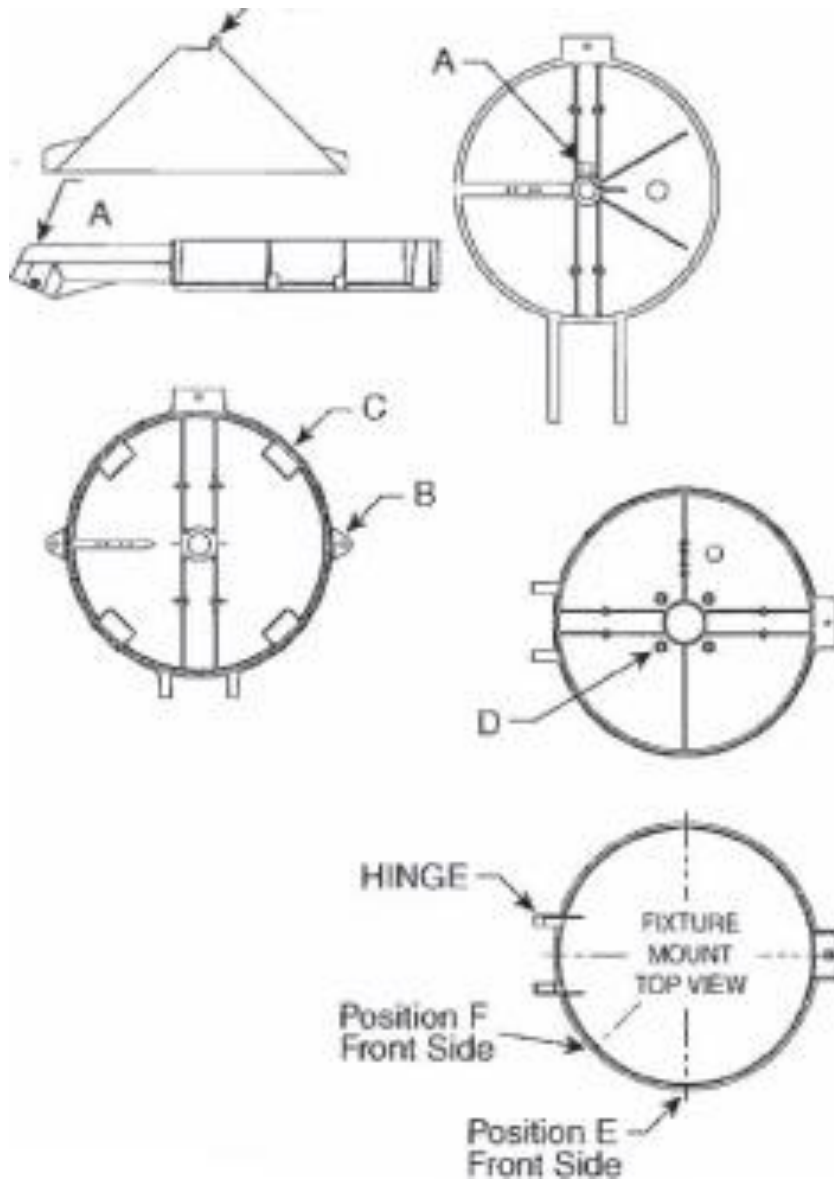


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If the fixture mount is a ceiling type, it may alternately be aimed (Position "F") per the instructions supplied with the refractor alignment kit.

Always inspect gasket joints before closing the luminaire. If gasket shows any indication of deterioration, replace the luminaire.





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INSTALLATION INSTRUCTIONS FOR FIXTURE TANKS

CAUTION: Do not attempt installation until you are familiar with all precautions and procedures outlined within this instruction sheet.

WARNING: Electrical power must be off before and during installation and maintenance.

WARNING: This fixture must be grounded as required by the National Electric Code (Paragraph 410-21 and Article 250) or Canadian Electric Code (Rule 30-500 and Section 10). Failure to properly ground the fixture mount will create an electrical shock hazard which can cause serious injury or death.

INSTALLATION PRECAUTIONS

All national and electrical/building codes must be followed in the installation of the fixture. For code interpretation, consult local code authority.

RISK OF FIRE OR EXPLOSION

- Do not install fixture in any classified location where the marked operating temperature exceeds the ignition temperature of the hazardous atmospheres. Consult fixture nameplate for suitability in specific hazardous locations.
- Do not install fixture in a location where the ambient temperature exceeds the maximum ambient temperature shown on the fixture nameplate.
- Consult fixture marking for minimum required supply wire temperature rating.
- Verify that supply voltage agrees with fixture rating as indicated on nameplate.
- Product must be used only with globe intact and fully engaged. Replace cracked or damaged globe prior to use.
- Failure to properly ground fixture may create an electrical shock hazard which can cause serious injury or death and can also create a risk of fire or explosion.

CAUTION

Use only lamp size and wattage as shown on fixture nameplate.

Fixture may be energized in a hazardous location **ONLY AFTER:**

- The fixture tank has been secured to the mount **AND** the optical configuration (Globe, Refractor, or Closed Bottom Reflector) has been assembled to the tank as outlined in this instruction sheet.
- Install fixture mount (outlet box) per the installation instructions supplied with the fixture mount.



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- Ground fixture mount. If mount is not grounded through a metal raceway, such as metal conduit, a separate grounding conductor must be provided. Attach this grounding conductor to the provided "Equipment Grounding Screw". Location of the equipment grounding screw is marked in each mount except cone pendant mount.

CAUTION: Verify that ground continuity has been established by using an ohmmeter or other suitable testing equipment before energizing the fixture. Failure to properly ground the fixture will create an electrical shock hazard which can cause serious injury or death.

Pull supply wires.

NOTE: Consult markings on the fixture nameplate for required temperature rating of supply wire insulation.

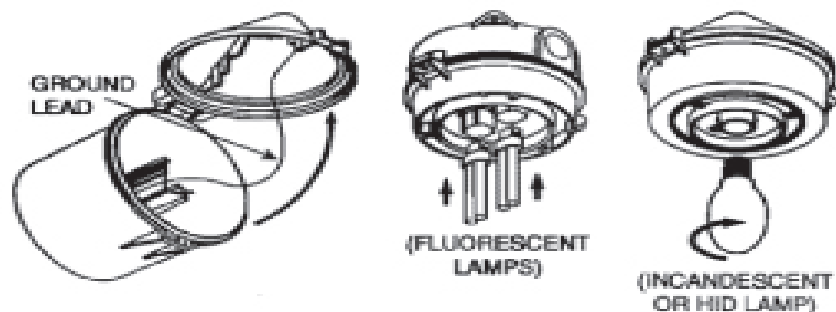
Hang fixture tank on fixture mount hinge, attach ground bonding lead to supplied grounding screw in fixture mount and connect supply wires to fixture (ballast) leads with supplied wire connectors.

Swing fixture closed and secure with furnished screw. Always inspect gasketed joints before closing the luminaire. If gasket shows any indication of deterioration, replace the luminaire.

NOTE- Bench Assembly: the remainder of the assembly operations may be performed on a bench before hanging fixture tank on fixture mount hinge.

Before installing lamp(s) verify that they comply with the lamp specifications on the fixture nameplate. If a lamp base extender was supplied with the optical assembly, install it between the lamp socket and lamp.

Consult fixture markings to verify that the optical configuration (Globe, Refractor, Reflector, Guard, Etc.) to be installed is suitable for the required application. Continue assembly with appropriate section.





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GLOBE OR REFRACTOR (Threaded Type)

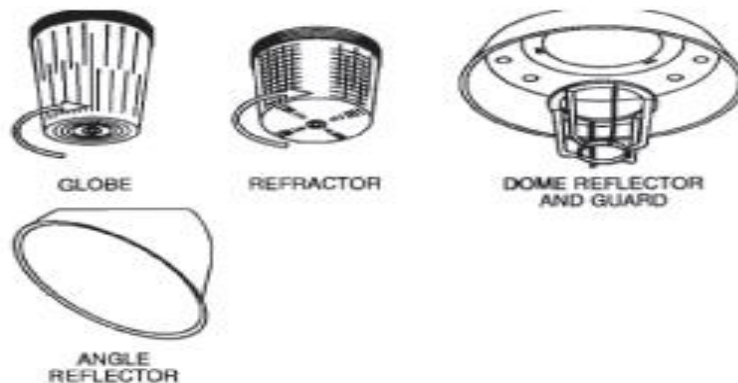
- Screw into threaded portion of fixture tank hand tight.
- Non-symmetrical refractors require aiming. Consult instruction sheet supplied with fixture mount for directions.

REFLECTOR AND/OR GUARD

- Back out three screws furnished in lower face of fixture tank (around globe) sufficiently to allow for reflector and/or guard clearance.
- Position reflector and/or guard over screws and twist in place. Tighten three screws to retain reflector and/or guard.

REFLECTOR GUARD

- Position clamping ring of guard over lip of reflector and securely tighten screw.



REFRACTOR- Screw into threaded portion of fixture tank hand tight. Non-symmetrical refractors require aiming. Loosen clamping ring, turn refractor to desired position and retighten clamping ring.

GUARD- Position clamping ring of guard over lip of refractor and securely tighten screw.

CLOSED BOTTOM REFLECTOR- Screw into threaded portion of fixture tank hand tight.

GUARD- Position clamping ring of guard over lip of refractor and securely tighten screw.