

70 Watt Explosion Proof Light Fixture Instruction Manual

Do not attempt operation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet. Read carefully before operating. Retain these instructions for future reference.

INSTALLATION PRECAUTIONS

- Do not attempt installation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet.
 - 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.
 - Refer to fixture nameplate for minimum supply wire temperature rating.
 - Verify that the supply voltage agrees with fixture rating as indicated on nameplate.
 - Lamp receptacle screw shell must be at lowest potential (or ground).
 - All local and national electrical/building codes must be followed when installing the lighting fixture. FOR CODE INTERPRETATION, CONSULT YOUR LOCAL CODE AUTHORITY.
 - Product must be used only with globe intact and fully engaged. Replace cracked or damaged globe prior to use.
 - 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.
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WARNINGS

- Electrical power must be off before and during installation and maintenance.
 - Use only lamp size and wattage as shown on fixture nameplate.
 - Fire and Explosion Hazard: Breakage of glass globe and exposure of lamp to a combustible atmosphere can result in an explosion and possible injury or death.
 - During installation or maintenance, care should be taken not to scratch, score, nick, or chip the glass globe.
 - Fixture must be grounded as required per paragraph 410-21 and article 250 National Electric Code and/or rule 30-500 and section 10 of Canadian Electric Code. Failure to properly ground this fixture will create an electrical shock hazard which can cause serious injury or death.
 - Do not energize the fixture until the globe assembly has been installed to avoid exposing hot surfaces or electric arcing to hazardous atmosphere. Failure to comply with this warning can cause fire or explosion which can result in serious injury or death.
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INSTRUCTIONS FOR INSTALLATION

1. Install fixture outlet box (per instructions supplied with outlet box fitting).
2. Remove female contact assembly from mounting bosses.
3. Pull supply wires (use proper temperature rated wire-See fixture nameplate on ballast housing).
NOTE: Fixture must be grounded. A separate grounding screw in the outlet box is provided to install ground lead. Check ground continuity before energizing the fixture.
4. Install grounding lead to grounding screw in outlet box, if required. Connect line lead to terminal marked "LINE". Complete circuit by attaching common or second line to terminal marked "WHITE" in female contact assembly. Visually inspect connection.
5. Return female contact assembly to outlet box and secure to mounting bosses with fasteners.
NOTE: All threads must be lubricated to prevent galling. If lubricant is removed, lightly lubricate with high temperature (400°F) silicone lubricant to insure ease of future maintenance.
6. Screw fixture section (ballast housing) onto outlet box until hand tight. To secure fixture section onto outlet box, tighten #10-24 set screw to 30 in. – lbs. (max) torque.
7. If fixture was supplied with multi-tap ballast (indicated by more than one (1) ballast primary volts on fixture nameplate), proper ballast voltage lead corresponding to supply voltage must be connected to fixture lead labeled "LINE" with connector supplied. All leads must be inserted into cable tie and secured in place.
8. If fixture is equipped with Quartz Auxiliary receptacle, install Quartz lamp before HPS lamp.
9. Verify that the lamp complies with lamp specifications on fixture nameplate, then install.

10. Screw globe assembly (clockwise) onto fixture section until hand tight. It may be necessary to back off globe assembly (counterclockwise) slightly, to allow thumb screw to enter nearest notch. To lock globe assembly in place, tighten thumb screw into notch in globe retaining ring.

NOTE: Warning notice must be removed from glass globe before installation.

11. Install reflector and/or globe guard over three screws furnished in lower face of globe assembly. Back out screws sufficiently to allow reflector and/or globe guard to be inserted over screws and twist in place. Tighten screws to hold reflector and/or globe guard securely in place.

FIXTURE CLEANING

Periodic cleaning of the globe assembly may be needed to maintain full lighting efficiency and to prevent excessive dust or dirt accumulation, which could cause the fixture to operate at a higher temperature.

Cleaning the fixture components should be done with a non-abrasive solution of soap or detergent and water. Residual solution should be removed by clean water rinsing.

NOTE: If lubricant is removed from threads during maintenance or relamping, lightly lubricate with a high temperature (400°F) silicone lubricant.

RELAMPING PROCEDURES

WARNING: Disconnect this fixture from supply circuits before removing globe to avoid exposing hot surfaces or electric arcing to hazardous atmospheres. Do not re-energize until the globe has been re-installed. Failure to comply with this warning can cause fire or explosion which can result in serious injury or death.

1. Loosen thumb set screw to allow globe assembly to turn freely.
2. Remove globe assembly.
3. Remove lamp and/or optional quartz auxiliary lamp.

(NOTE: It may be necessary to remove the lamp to replace the optional auxiliary quartz lamp.)

Verify that the replacement lamp complies with lamp specifications on fixture nameplate, then install. To install quartz auxiliary lamp, push and twist lamp into bayonet receptacle. Remove lamp(s). Verify that the replacement lamp complies with lamp specification on fixture nameplate, the install. To install fluorescent lamp, push lamp into bi-pin receptacle.

4. To reassemble globe assembly, refer to installation procedure.

USE AND CARE

Unauthorized modification may impair the function and/or safety of the work light and could affect the life of the equipment. Always check damaged or worn out parts before using the work light. When work light is not in use, store it in a secure place out of the reach of children. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The EPL-HB-70W-MH is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

Should further information not covered by these instructions be required, please contact Larson Electronics at 1-800-369-6671 or sales@larsonelectronics.com for further assistance.

Please visit LarsonElectronics.com for **Warranty** and **Return** information.