

Explosion Proof LED Light 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.

WARNING:

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. IF WIRING OR LAMP REPLACEMENT INSTRUCTIONS ARE NOT FOLLOWED EXACTLY, THE HANDLAMP MAY NOT BE SUITABLE FOR THE HAZARDOUS LOCATION INVOLVED. WHEN HANDLAMP IS CONNECTED TO A POWER SOURCE IN HAZARDOUS AREA, PLUG AND MATCHING RECEPTACLE MUST BE SUITABLE FOR HAZARDOUS LOCATION INVOLVED. WHEN HANDLAMP IS CONNECTED TO POWER SOURCES OUTSIDE OF HAZARDOUS AREA, STANDARD DUTY PLUGS AND RECEPTACLES MAY BE USED.

THE GLOBE IS MADE OF TEMPERED GLASS. IF THIS GLASS BECOMES SCRATCHED OR CHIPPED IT SHOULD BE REPLACED IMMEDIATELY.

WARNING: TO PREVENT IGNITION OF A HAZARDOUS ATMOSPHERE, THE SUPPLY CIRCUIT SHOULD BE DISCONNECTED WHEN INSTALLING, RE-LAMPING OR PERFORMING ANY MAINTENANCE ON THIS FIXTURE.

WARNING: WHEN INSTALLING THIS FIXTURE IN HAZARDOUS LOCATIONS, CHECK THE OPERATING TEMPERATURE LIMITS PRIOR TO INSTALLATION TO BE SURE IT CONFIRMS TO THE ENVIRONMENTAL TEMPERATURE RESTRICTIONS AND NEC CLASSIFICATIONS. CHECK THE FIXTURE'S METAL NAMEPLATE FOR TEMPERATURE (T) RATINGS.

WARNING: THE GLOBE IS TEMPERED GLASS. DO NOT SCRATCH OR CHIP. TURN THE POWER OFF BEFORE STARTING INSTALLATION, REPAIR OR RE-LAMPING.

WARNING: OPERATE THIS FIXTURE ONLY AT THE VOLTAGE OF YOUR SPECIFIC SUPPLY CIRCUIT. FAILURE TO DO SO WILL RESULT IN DAMAGE TO THE FIXTURE.

WARNING: SUBSTITUTE COMPONENTS MAY IMPAIR EXPLOSION PROOF SAFETY.

LAMP OPERATION

On/Off Operation

1. Install fixture's mounting accessory per instructions supplied with the mount (See Mounting Options).
2. Loosen the lock-in screw (A).
3. Unscrew and remove the globe support assembly from fixture tank (C).
4. Verify that the supply line voltage and fixture nameplate voltage are compatible.
5. Make sure the external threads at the top of the fixture tank are free of any dirt, metal chips or other foreign materials. Apply a thin coat of lubricant to the threads.
6. Tighten the set screw on the side of the mounting accessory.
7. Referring to the fixture nameplate, install the proper size and type of lamp.
8. Make sure the globe support threads are clean. To prevent galling of threads, apply a thin coat of lubricant to the male threads. Thread the globe support assembly into the fixture tank and turn until there is no gap between the flanges.
9. Tighten the locking screw (A).
10. To install the guard (D) loosen the 4 screws (B), slip the guard over the screws and rotate it to the locked position. Tighten the screws firmly.

Join or "lap" marks may form during the pouring of molten glass in the globe manufacturing process. It is not unusual for these marks to become visible. This is a common and normal occurrence for large explosion proof globes and does not affect performance. Take extreme care not to cross-thread the fixture when installing into mounting accessory. Install fixture by threading into the mounting accessory; the electrical contacts will automatically engage. Be sure the fixture is tight. This fixture is factory sealed.

Pendant Mounting

1. Thread the fixture onto the conduit, sealing around the conduit using approved NEC procedures. Flats are provided at the top of the fixture to tighten with a wrench.
2. After securing to the conduit, tighten the set screw.

Wall Mounting

1. Remove the wiring box from the arm and attach box to the mounting surface.
2. Pull leads to the box and through the arm to the wiring chamber.
3. Attach the arm to the wall box.
4. The mounting screws should be tightened in alternate sequence.



Ceiling Mounting

1. Attach fixture to mounting surface using the two mounting tabs provided.



Wiring Instructions

Remove the wiring access plug. For high voltage fixtures, connect neutral to white fixture wire and line to black fixture wire, connect ground (earth) to ground lug inside the fixture. For low voltage fixtures, connect low voltage (+) to white fixture wire, and low voltage (-) to black fixture wire. Make all wiring connections accordance with accepted NEC and local wiring procedures for factory sealed fixtures. Be sure any unused wiring entrances are closed with closure plugs provided.



USE AND CARE

Turn OFF the supplying circuit before opening fixture for re-lamping. To re-lamp loosen the locking screw and remove the globe support assembly.

The globe support assembly disengages after approximately 3 turns. *Replace the lamp with one of the correct size and type. Refer to the fixture nameplate for this information. When re-lamping be careful not to damage the threaded areas of the fixture, as they maintain the fixture's explosion proof properties. Clean the threads and apply a thin coating of lubricant before reassembling.

To maintain maximum light output, the fixture should be cleaned periodically. Maintenance procedures sometimes require fixtures to be hosed down for good housekeeping.

The supply circuit must be turned OFF and the fixture globe must be allowed to cool to the ambient room temperature before cleaning. Only mild, non-abrasive cleaning agents should be used. These periodic cleaning procedures are important to prevent the accumulation of dust and dirt which will impair the light output of the fixture. The glass globe should be regularly inspected for scratches and chips and, if damaged, the entire globe support assembly must be replaced.

LAMP REPLACEMENT

Loosen the set screw and turn entire lens assembly counter-clockwise. The lens assembly should unscrew from the top of the lamp, not the base. Once open, replace with compatible bulb. Replace lens assembly and turn clockwise until snug and tighten set screw.

RATINGS AND APPROVALS

LIGHT FOR USE IN HAZARDOUS LOCATIONS

IP67 Waterproof

Suitable for Paint Spray Booths T3C Temperature Rating

Class I Groups C and D Class II Groups E and F Class III Groups E, F and G

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.