Hazardous Area LED Fixture Instruction Manual

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

INSTALLATION PRECAUTIONS

- 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 the suitability ambient temperature shown on the nameplate. Refer to fixture nameplate for minimum supply wire temperature rating.
- Verify that the supply voltage agrees with fixture rating as indicated on nameplate. All local and national electrical/building codes must be followed when installing this lighting fixture. For code interpretation, consult your local authority. Product must be used only with lens intact and all cap threads fully engaged. Do not use if lens is cracked or damaged.

Caution: Only use lamp size, type and /or wattage as shown on fixture nameplate.

INSTALLATION

We strongly recommend that only a licensed electrician install this product.

WARNING: *Make sure that the power is disconnected before installing. This fixture is heavy and must be mounted to a surface that can structurally support the load. An optional drop mounting kit that will allow for end to end row mounting is available, please consult factory.*

WARNING: *Do not let fixture hang on one bracket at any time. Failing to comply can result in breakage of and end casting or mounting bracket allowing the fixture to fall which can cause serious injury or death.*

- The mounting brackets are shipped installed on the fixture.
- Install the brackets to wall or ceiling.
- Suspend the fixture with conduit for pendant mounting. There are two threaded hubs for ridged pipe.

It is strongly suggested to use two licensed electricians to proceed with the final mounting of the fixture to avoid any possible personnel injury or damage, and the fixture will be slightly awkward to hold in position and attach to brackets mounted on wall or ceiling. Depending on mounting height and scaffolding, a hydraulic man–lift or two good quality ladders should be used.

Check fixture nameplate for proper voltage!

WIRING

USING CABLE

The fixture contains ½" or ¾" NPT ports based on option purchased.

- See wire diagram for electrical connections.
- Feed wires into fixture and seal entry with NPT CG-Type watertight connector or equal.
- For supply connections, use wire suitable for at least 90°C.

USING CONDUIT

- Push wires into hub.
- Install conduit to the fixture.
- Access internals to reveal wiring chamber of fixture.
- See wire diagram for electrical connections.
- Replace lens door.



LAMP REPLACEMENT

- Open draw latches holding fixture lens. Keep hold of lens and remove once loose.
- Remove old bulb(s) and replace with matching LED bulbs compatible with fixture.
- Replace lens and close latches to secure.

WARNING: *Fixture must be grounded as required per paragraph 410-21 and article 250 of the National Electric Code and/or rule 30-500. Failure to properly ground this fixture will create and electrical shock, which can cause serious injury or death.*

MAINTENANCE:

This light fixture provides low maintenance service. Electrical and mechanical inspection of all components must be performed on a regularly scheduled basic, determined by the environment and frequency of use. It is recommended that inspection be performed a minimum of once a year.

1. Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice For Electrical Equipment Maintenance (www.nfpa.org).
2. Visually check for undue heating evidenced by discoloration of wires or other components, damaged parts, or leakage evidenced by water or corrosion in the interior.
3. Electrically check to make sure that all connections are clean and tight.
4. Mechanically check that all parts are properly assembled.

Clean surfaces with a mild soap and water. Do not use abrasive materials such as scouring pads or powders, steel wool or abrasive paper.

Unauthorized modification may impair the function and/or safety of the light fixture and could affect the life of the equipment. Always check damaged or worn out parts before using the unit.

TROUBLESHOOTING

Most failures experienced are due to improper installation.
Therefore, most failure issues can be corrected by checking that:

- Wires are properly clamped into terminals.
- Installation is done according to the wiring diagram.
- Proper polarities and LED load maximums are observed.

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.