HAL-LED-CPR-C-100

100 Watt Hazardous Locations Low Profile LED Light Fixture
ATEX Rated – 120/277V AC
Instruction Manual



Thank you for your purchase of the 100 Watt Hazardous Location Low Profile LED Light Fixture, the following instructions are intended for this part number only.

These instructions contain important safety information, read and follow them carefully. Larson Electronics' will not accept responsibility for injury, damage, or loss which may occur due to incorrect installation, operation or maintenance.

INSTALLATION

WARNINGS:

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor

To avoid explosion:

- Make sure the supply voltage is within the luminaires' voltage rating.
- Ensure the marked T rating is less than the ignition temperature of the Hazardous Atmosphere.
- Do not operate in ambient temperatures above those indicated on the Luminaire nameplate.
- Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.
- Substitution of components may impair suitability for Class I, Division 2, Class II Division I.
- Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
- Do not let the power cord touch hot surfaces.
- Do not mount near gas or electric heaters.
- Equipment should not be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by the manufacture and may cause an unsafe condition.
- Do not use this equipment for other than intended use.

The technical data indicated on the luminaire are to be observed.

- Changes to the design and modifications of the luminaire are not permitted
- Only genuine replacement parts are to be used when unforeseen maintenance is required. Consult the factory at www.larsonelectronics.com or an authorized representative.

For maximum long term reliability and light output, the light must be installed in free air.

- The fixture design incorporates an over-temperature control circuit that reduces input power should internal temperatures reach a maximum level. In this event, light output may be reduced.
- The fixture is threaded for 3/4" NPT, at the center of the Power Supply Housing, in order to be assembled to conduit.
- Use conductive pipe sealant for all fittings and conduit.
- **WARNING:** If there is moisture present, or chance of it, in the conduit system then necessary precautions should be taken by the installer to prevent the moisture from entering thru the cable or conduit and entering the fixture. Failure to comply with the above could void the warranty.

Connect incoming power as follows:

Green to safety ground using green ground lead supplied at the end of the fixture
Neutral to white
Line to black
Restore power and verify operation

MAINTENANCE

To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

- **Warning:** No user serviceable parts inside of fixture. Risk of electrical shock. Removal of the lens will void warranty.
- We suggest performing visual, mechanical and electrical inspections on a regular basis. We suggest routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: recommended Practice for Electrical Equipment.
- If the lens requires periodical cleaning to ensure continued photometric performance, clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap and water.
- Inspect the outside of the Luminaire housing to ensure that they are free of any obstructions or contamination. Clean with a non-abrasive cloth if needed.
- Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.
- **NOTE:** Other wiring compartments are factory torqued and should not be tampered with during installation or maintenance.

For personal safety, always follow the safety instructions in this manual to ensure safe and long- term use. Failing to do so can result in damage to the product or serious bodily injury

RATINGS:

Listed for United States and Canada
Class 1 Division 2 Groups A, B, C, D
UL 844
UL 1598
PSE Certified
SAA Certified
IP68

For information on warranty and returns or questions about the product please visit www.larsonelectronics.com