100 Watt Explosion Proof LED Light - 2x2 Lay-In Troffer - Class 1 Div 1 & 2 -Paint Spray Booth Rated Instruction Manual

The Larson Electronics HALD-24-1X100LED Hazardous Area Dimmable LED Light Fixture is designed to provide operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. This dimmable LED panel mount fixture is ETL listed Class I Divisions 1 & 2, Class II Divisions 1 & 2,and is approved for use within paint spray booths. Cree LED technology and compact design makes this lamp an excellent replacement upgrade option for paint booths and hazardous locations where flammable chemical/petrochemical vapors are present.

WARNING

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 if 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.

MOUNTING

This fixture offers recessed panel mounting.

1. Make sure power is turned off at the source to the location at which you are installing the fixture.
2. Remove existing troffer if applicable.
3. Place Troffer light in ceiling. Drill mounting holes in outer frame ONLY, as required.
4. Using approved wire connectors, connect power supply to cord whip on back of fixture. Refer to wire diagram. All local and national electrical/building codes must be followed when installing this fixture in hazardous areas. If unaware, contact local authority.
5. When complete, ensure voltage matches fixture nameplate and return power back to the source.

Installation is complete.

WIRING (see attached wiring diagram)

This unit comes preconfigured with cord whip and selected color temp. Once mounted, plug cord into compatible receptacle with correct voltage. Fixture available in 100-277 Volts AC, 50/60Hz **or** 11-25 Volts AC/DC and are not interchangeable. **Please check product nameplate for correct voltage!**



WARNING: CHECK NAMEPLATE FOR PROPER VOLTAGE. DAMAGE FROM IMPROPER VOLTAGE WILL VOID WARRANTY. FIXTURE AVAILABLE IN VARIOUS VOLTAGES SELECTED UPON PURCHASE.

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.

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.