600W Explosion Proof High Bay Dual LED Light Fixture
Class I, II, III - Paint Spray Booth Approved - T5
Instruction Manual

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 IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE 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 PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

The EPL-HB-2X300LED-RT from Larson Electronics is an Explosion Proof High Bay LED Dual Light Fixture that provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. Cree LED technology and solid-state architecture makes this lamp an excellent replacement upgrade option for bulky incandescent, metal halide and high pressure sodium lights, which are associated with higher operating costs and frequent maintenance.

Mounting



The EPL-HB-2X300LED-RT offers several mounting options including ceiling mounting, pendant mounting, and wall mounting. Ceiling and wall applications are mounted using the adjustable swivel mount bracket found on the rear of the unit. Pendant applications are mounted from the ceiling and are suspended by rigid pipe via the 3/4" NPT hubs on the back of the explosion proof fixture. Surface mount bracket can be removed for pendant mounting applications by removing the bolts securing it to the fixture at the sides. Surface mount bracket can be tilt adjusted via pre-drilled adjustment holes at each side. Use all pre-drilled mount holes when surface mounting for maximum security and safety. Be sure the surface or pipe the fixture is mounted to is structurally able to support the load of the fixture. **Follow all applicable local, state, and National Electrical Code for the hazardous area when installing!**

Wiring

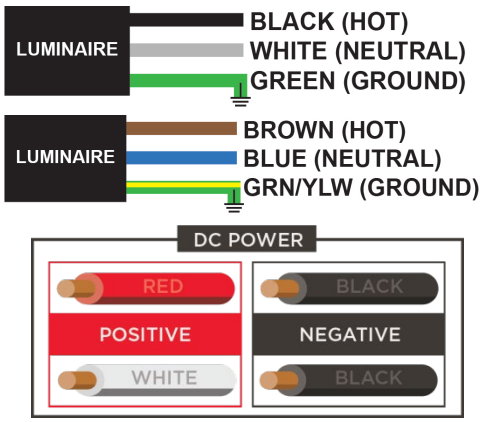
We strongly encourage a licensed electrician install this product, in all locations, especially in outdoor areas where weatherproofing may be required.

Warning: *Check product label for correct input voltage!*

This explosion proof LED light is universal voltage capable and can be operated with 100-277 V AC, 50/60 Hz without modifications to the fixture. A low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 volts is also available. Units compatible with 18-48 V AC/DC voltage are available for network systems and marine vessels. We also offer an additional 347-480 V high voltage, 125-250 V DC, and 0-10 V dimmable versions of this explosion proof LED light fixture. **Refer to product label for specifications for your specific fixture!**

Attach supply line wires to the appropriate light fixture wires as shown in the applicable diagram ➔

Secure each pair of wires according to the diagram included with your unit. **Diagrams shown here are for general reference only, check product label for all specifications for your fixture.** Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes. Lights are instant-on, and will illuminate upon receiving the correct supply voltage as listed on the product label.



Field Serviceability

This explosion proof LED light fixture is field serviceable. All major internal components can be purchased from Larson Electronics and installed by a licensed electrician with basic tools. With most explosion proof fixtures, the fixture must be returned to the manufacturer for repair work, which presents downtime and long turn around times for repair work. Larson Electronics addresses this issue with the EPL-HB-2X300LED-RT series with field serviceability, allowing operators to perform service work without having to return the fixture to the manufacturer in the event of damage or failure.

Maintenance

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

1. Perform visual, mechanical and electrical inspections on a regular basis. We recommend 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.
2. The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.
3. Inspect the cooling fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
4. Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

Note: *It is not necessary to open the fixture and clean or touch the LED's.*

USE AND CARE

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

REPLACEMENT PARTS

The EPL-HB-2X300LED-RT is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

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 1-877-348-9680 FOR FURTHER ASSISTANCE.

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