

50W Explosion Proof Low Bay LED Light 24V DC - Extended Bracket - Blunt Cut End

Instruction Manual

Thank you for your purchase of Larson Electronics EPL-HB-50LED-RT-JB2-V2-24V-12.3-150 LED light fixture.

This explosion proof light is designed for illumination of industrial locations. It uses the latest in solid state lighting technology for long life, low maintenance and high efficiency.

The unique design focuses the light where it is needed, giving improved efficiency over a conventional HID luminaire.

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.
- 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.

For supply connections, use wire rated for at least 110°C

MOUNTING

This explosion proof LED fixture is supported by an adjustable trunnion mount with an extended bracket for full rotation and clearance over the wiring box. Trunnion is mounted to any flat surface using a single bolt through the mounting hole on the bottom of the mount. Operators may securely and quickly mount the light for hands-free lighting in hazardous locations and confined spaces.

After mounting, operators can adjust the angle of the LED fixture by tilting the light head up and down to reach the desired position. This versatile mounting system is ideal for industrial work that requires gloves. When a gloved hand is supporting the light through the opening of the trunnion mount, operators may use the LED fixture as a handheld unit for robust control.



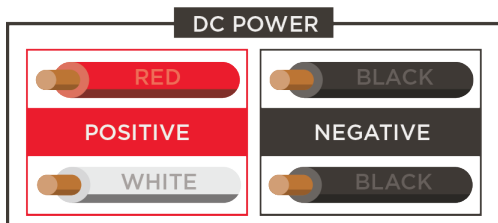
WIRING (see attached wiring diagram)

This unit comes preconfigured with selected beam configuration and a blunt cut power cord. Once mounted, wire in to correct voltage listed on nameplate using wiring diagram below.

Voltage: Check Nameplate. Connect Ground to junction box.

Follow all applicable NEC, local, and state electrical codes.

WARNING: CHECK NAMEPLATE FOR PROPER VOLTAGE. DAMAGE FROM IMPROPER VOLTAGE MAY VOID WARRANTY.



Note: The EPL-HB-50LED-RT-JB2-V224V-12.3-150 fixture draws 50 watts. On a 24V DC circuit, each fixture will draw 2.08 amps. When the 150 foot power cord is being supplied with 24V DC, the voltage drop associated with this length of cord is 1V, providing 23V to the fixture. A 3-amp continuous current fuse or breaker should be used for circuit protection for this fixture.

MAINTENANCE

Caution: 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 electric shock. Removal of the lens will void the warranty.

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.

To replace driver, disconnect power running to fixture. Dismount fixture and remove the back cover. Disconnect bad driver and remove the single screw holding it in place. Place new driver and replace screw. Connect power cord and route wires as needed. Replace back cover plate.

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.