

## 26W Explosion Proof Bulkhead LED Light Class I, II, III - 3,380 lms - Factory Sealed Instruction Manual

Thank you for your purchase of the Larson Electronics EPL-BHL-LP.12-LED.

### **WARNING:**

**READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. CRITICAL SAFETY INSTRUCTIONS:**

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

### **IMPORTANT**

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE EPL-BHL-LP.12-LED MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

**WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.**



**WARNING: MAKE SURE POWER IS TURNED OFF BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.**

**RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.**

**RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.**

**RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.**

### **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:**

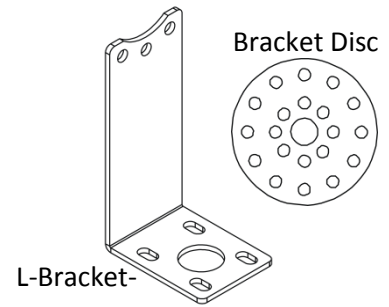
- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

The EPL-BHL-LP.12-LED from Larson Electronics is an Explosion Proof Bulkhead LED Light that provides reliable illumination in rugged environments and combustible sites. This explosion proof LED light has a T5 temperature rating and is equipped with terminal strips for wiring. Protected by a copper-free aluminum housing, the LED unit can be installed in flammable areas where hazardous work and tasks are frequently conducted. For best results, operators can mount the light at low to medium heights.

## MOUNTING

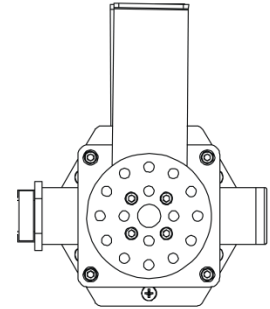
### Surface Brackets:

1. Mount the included L-Bracket Disc's to the sides of light fixture using 4 holes. Ensure holes line up with L-Bracket's in your desired angle.
2. Attach L-Bracket's to Bracket Disc using the provided bolts.
3. Affix light fixture to surface using predrilled holes on L-Bracket top.
4. Once brackets are mounted to surface (ceiling, floor or wall), the light fixture can be removed from brackets by removing the set screws that hold the L-Bracket to the Bracket Disc and adjusting the fixture. The fixture can be adjusted at 15° intervals.
5. Feed wire to fixture via conduit to the junction box.



### Suspension Mounting:

1. Remove end caps from fixture where you plan to mount conduit.
2. Suspend light fixture by rigid pipe via 3/4" NPT.
3. Feed wire to fixture via conduit to the junction box.



### Hang Mounting:

1. Hang mount light fixture with cable/chain capable of supporting the weight.
2. Two eyelets on either side of the fixture allow for hanging with hooks.
3. Feed wire to fixture via flex conduit to the junction box.

### Wiring

1. Find junction box labeled "PRIMARY" and feed LINE wiring through conduit into junction box.
2. Attach ground lead.
3. Connect supply wires to luminaire wire leads (or terminal blocks) per the attached wiring diagrams using methods that comply with all applicable codes. Tighten all electrical connections.
4. Close all unused conduit entries with conduit plugs. To ensure water-tightness, lubricate conduit plugs with lubricant before installing, and secure wrench-tight with at least five (5) full threads engaged (42-52 ft.-lb. for 3/4" plugs, and 58-68 ft.-lb. for 1" plugs).
5. Close wire housing onto cover module, making sure that all wires are safely inside hub. Tighten captive closing screw to 30 in.-lbs. (3.4 N-m).
6. Activate supplying circuit to test the assembled luminaire.
7. Feed-thru wiring is available on opposite end of fixture for powering additional light fixtures. **Be sure feed-thru wires are capped off when unused!**



### Maintenance

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](http://www.nfpa.org)).
2. The lens should be cleaned periodically to ensure continued lighting performance. To clean, wipe the lens with a clean, damp cloth. If this is not sufficient, use a mild soap or a liquid cleaner such as Collinite NCF or Duco #7. Do not use an abrasive, strong alkaline, or acid cleaner. Damage may result.
3. 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. Replace all worn, damaged, or malfunctioning components, and clean gasket seals before putting the luminaire back into service.
4. Electrically check to make sure that all connections are clean and tight.
5. Mechanically check that all parts are properly assembled.

## **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-BHL-LP.12-LED 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](mailto:SALES@LARSONELECTRONICS.COM) OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT [LARSONELECTRONICS.COM](http://LARSONELECTRONICS.COM) FOR **WARRANTY** AND **RETURN** INFORMATION.