Explosion Proof LED Jar Light
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 Larson Electronics Explosion Proof LED Jar Light provides operators with a powerful alternative to traditional hazardous location luminaries, including metal halide, high pressure sodium, mercury vapor, halogen, CFL and incandescent lamps. This LED unit carries an IP67 waterproof rating and features an extended lifespan of 75,000+ hours. Compatible with ceiling, wall, and pendant mount installations, the mason jar style fixture is field serviceable and features pyramid light distribution that closely resembles traditional bulbs.

Mounting

The EPLC2-MJ series LED light fixture is available with several different mounting configurations, specified when ordering. Find your chosen mount configuration below for specifics:



Pendant:
Pendant mount lights will get a threaded plate that attaches to the top of the fixture to allow for pipe to be threaded directly into it. Using the provided gasket in the groove on the underside of the plate, pull the wiring through the threaded hole on the plate and secure it to the fixture using the provided hardware kit. There should be one screw and one lock washer for each hole. Be sure the gasket stays in position and provides a good seal once the screws are secure. Fixture is now ready to be pendant mounted. Follow all applicable local and national electrical and building codes when completing the installation.

Ceiling:
Ceiling mount lights will get a surface mount junction box to mount to the top of the fixture that will allow it to be mounted to any flat surface capable of supporting the load. Using the provided gasket to seal between the junction box and the fixture, attach the junction box to the fixture using the provided hardware kit, pulling the wiring into the junction box to allow for connections. There should be one screw and one lock washer for each hole. Be sure the gasket stays in position and provides a good seal once the screws are secure. Fixture is now ready to be surface mounted using the pre-drilled mounting holes in the flange of the base.

Wall:
Wall mount lights will get a surface mount junction box and elbow extension to mount to the top of the fixture that will allow it to be mounted to a wall. Using the provided gasket to seal between the junction box and elbow extension, attach the two pieces together using the provided hardware, as shown in the picture above. Once the elbow extension and junction box

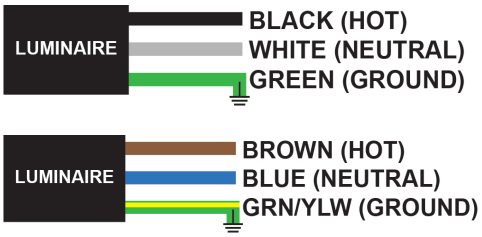
have been joined together, use the other gasket to seal between the elbow extension and the top of the light fixture, and secure it using the provided hardware kit. There should be one screw and one lock washer for each hole. Be sure to pull wiring through the elbow extension and into the junction box, and be sure both gaskets stay in place and provide a good seal once the screws are secure.

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!*

Secure each pair of wires according to the diagram. Utilize the 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. Unit is "instant on" and will illuminate as soon as power is supplied.



Maintenance

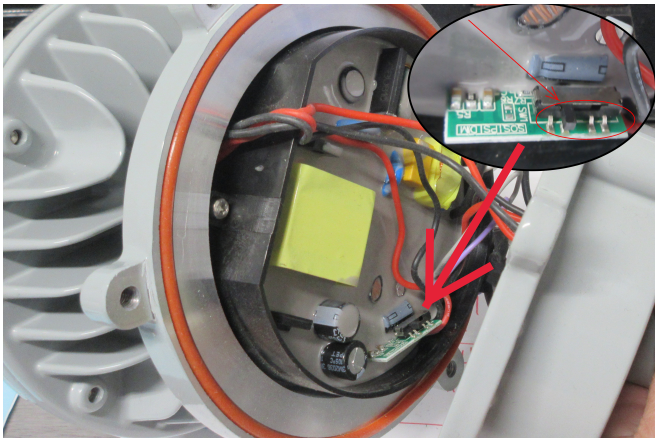
There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function. Driver can be replaced if needed.

- Disconnect power running to the lamp and be sure the fixture is cool to the touch.
- Use a non-abrasive glass cleaning solution to clean the lens.

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

Change Steady/Strobe Setting

In order to switch light settings between steady burn and strobe, you will need to access the board of the light by opening the back of the unit as shown. Once the board is accessible, locate the small switch and change to the desired position. Be sure flamepath is free from damage or debris and light is sealed again properly before operation.



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 EPLC2-MJ-XXW-LED series is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics. Driver can be replaced if needed.

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.