EPL-LP-48W-LED Instruction Guide
Explosion Proof 48 Watt Low Profile LED Light Fixture

Thank you for your purchase of the Larson Electronics EPL-LP-48W-LED series LED light. This light is completely assembled, tested and ready for installation when shipped from the factory. Please follow the steps below in order to operate and maintain this product.

IMPORTANT

READ CAREFULLY BEFORE OPERATING THIS LIGHT. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. IF UNSURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICAL PROFESSIONAL. THE EPL-LPBS-70LED MUST BE OPERATED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

FOR PERSONAL SAFETY, ALWAYS CONFIRM THE RATING OF ANY KNOWN HAZARDOUS OR POTENTIALLY HAZARDOUS LOCATION WHERE THE LIGHT IS TO BE USED.

WARNING: OPERATE ONLY AT THE VOLTAGE LISTED ON THE PRODUCT LABEL.

WARNING: TO PREVENT IGNITION OF A HAZARDOUS ATMOSPHERE, THE SUPPLY CIRCUIT SHOULD BE DISCONNECTED WHEN INSTALLING OR PERFORMING ANY MAINTENANCE ON THIS UNIT.

WARNING: WHEN INSTALLING THIS LIGHT IN HAZARDOUS LOCATIONS, CHECK THE OPERATING TEMPERATURE LIMITS PRIOR TO INSTALLATION TO BE SURE IT CONFIRMS TO THE ENVIRONMENTAL TEMPERATURE RESTRICTIONS AND NEC CLASSIFICATIONS. CHECK THE FIXTURE'S METAL NAMEPLATE FOR TEMPERATURE (T) RATINGS.

WARNING: DO NOT SCRATCH OR CHIP THE FRONT LENS. TURN THE POWER OFF BEFORE STARTING INSTALLATION OR REPAIR.

WARNING: OPERATE THIS FIXTURE ONLY AT THE VOLTAGE OF YOUR SPECIFIC SUPPLY CIRCUIT. FAILURE TO DO SO WILL RESULT IN DAMAGE TO THE FIXTURE.

WARNING: SUBSTITUTE COMPONENTS MAY IMPAIR EXPLOSION PROOF SAFETY.

INSTALLATION



Before operation, confirm that the power source will provide the correct voltage indicated on the product nameplate.

Check product nameplate for Ratings and Approvals.

Place the light in the desired location and run its power cord to a power source. Ensure all safety requirements are followed for the hazardous area. If longer lengths of cables are required a minimum of 18awg (1.5mm diameter) is required.

General Mounting
For maximum long term reliability and light output, the light must be installed in free air. Pendant mount through ¾" NPT on back of light following all applicable codes for the area.

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The Area Light series luminaire fixture design incorporates an over-temperature control circuit that reduces input power should internal temperatures reach a maximum level. As a result, light output may be reduced.

An internal power-factor-corrected supply allows it to be used from any nominal 100V 277V, 50/60Hz single phase AC supply without any variation in light output.

Voltage: 100-277V AC 50/60Hz

It is recommended that to ensure moisture does not flow through the cable a loop in the cord should be implemented where possible during installation. If this is not practical for the install than necessary precautions should be taken to prevent moisture entering the conduit thus entering the fixture.

Recommended mounting height: 8 feet to 24 feet (2.4 m to 7.3 m)

This light is instant-on and will illuminate once energized.

WIRE(AC)	WIRE(DC)	COLOURED CABLE
AC LIVE	DC LIVE	BLACK
AC NEUTRAL	DC NEUTRAL	WHITE
GROUND	GROUND	GREEN



MAINTENANCE

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

WARNING:

Risk of electric shock. Removal of the lens will void the warranty.

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.

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.

Do not operate if the lens is cracked or damaged. All fasteners should be properly seated

This LED Luminaire should require a minimum amount of maintenance. If any unforeseen repairs are required then always observe explosion protection regulations and requirements.

WARNING:

This LED Luminaire should not require any electrical maintenance. Never open the luminaire (other than the junction box lid if supplied); there are no user- serviceable parts inside.

Inspection

Within the scope of a maintenance or inspection routine the following should be included: protective hoses covering the connection cables. Cable entries must be free of corrosion. 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

The lens should be cleaned periodically, as needed, to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, and lint- free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use and abrasive, strong alkaline, or acid cleaners as damage may occur.

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, damp cloth, if needed.

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

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 AT
1-800-369-6671 FOR FURTHER ASSISTANCE.

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