# 100 Watt Class 1 Div 1 Explosion Proof LED Light
# Non-Spark Aluminum Base - 120-277V AC

Thank you for your purchase of the Larson Electronics EPL-PM-100LED Portable Explosion Proof LED Work Light. Please follow the steps below in order to operate and maintain this product.

## IMPORTANT

READ CAREFULLY BEFORE OPERATING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE EPL-PM-100LED 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:** 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.

## OPERATING

Before operation, confirm that the power source will provide the correct voltage indicated on the product nameplate. Ensure the receptacle will accept the cord cap attached to the light.

Check product nameplate for Ratings and Approvals.

Place the light in the desired location and run its power cord to a compatible power source. Ensure all safety requirements are followed for the hazardous area.

The light head can be adjusted by loosening the hand screws on each side, positioning the light head and tightening the hand screws to hold the light in place.




This light is "instant-on" once plugged in to a live circuit.

**AVOID DIRECT EYE EXPOSURE** *Do not look at the face of or directly into the light when plugging in or when illuminated.*

## PLUG OPERATION

Electrical connection between plug and compatible receptacle is accomplished after plug fully inserts into receptacle and rotated clockwise.

1. Lift receptacle door and locate polarization on mating plug pin and receptacle face. Insert plug straight all the way into receptacle until it cannot go further.
2. Rotate plug clockwise limit (37º), this closes internal contacts and completes circuit. This also mechanically locks plug into receptacle so it cannot be pulled out.
3. To remove plug, push plug inward and turn to counterclockwise, pull plug straight out.

## MAINTENANCE

It is recommended that you implement a standard monthly or more frequent preventive maintenance schedule. Safety requires a thorough visual examination of the unit for physical damage that might cause a spark or result in the ignition of hazardous atmospheres.

Maintenance includes a careful examination to ensure at least:

- **A.** The Light Body is not cracked, broken or breeched.
- **B.** The Lens is not cracked or chipped.
- **C.** The Cable is not frayed and is gripping tightly in all points of cable contact.
- **D.** The Cable Jacket is completely intact and that no internal conductors or conductor insulation is exposed.
- **E.** The Connection Box is not cracked, broken or breeched.
- **F.** The Cord Plug is not cracked or damaged and the Ground Post is intact.

For your safety and to maximize the life of the light, avoid rough usage such as:

- **G.** Pulling the Light by the Cable, which could weaken or damage the cable.
- **H.** Impacting the lens with hard, sharp or heavy objects, which could cause the lens to scratch, chip, crack, or shatter.
- **I.** Disconnecting the Cord Plug from the receptacle by pulling on the Cable.

Keeping the light clean and free of material splatter, overspray, and debris during usage will ensure the maximum life and luminosity of the light.

## TROUBLESHOOTING

Refer to the guide below or contact the manufacturer if the fixture does not function properly.

- ➔ Is the correct line voltage being supplied to the fixture?
- ➔ Is the fixture properly grounded?
- ➔ Make sure installed power switch is functioning properly (if applicable).

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.