Explosion Proof Two Color LED Light
Instruction Manual

Do not attempt operation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet. Read carefully before operating. Retain these instructions for future reference.

INSTALLATION PRECAUTIONS

- Do not attempt installation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet.
- Do not install fixture in any classified location where the marked operating temperature exceeds the ignition temperature of the hazardous atmospheres. Consult fixture nameplate for suitability in specific hazardous locations.
- Do not install fixture in a location where the ambient temperature exceeds the maximum ambient temperature shown on the fixture nameplate.
- Refer to fixture nameplate for minimum supply wire temperature rating.
- Verify that the supply voltage agrees with fixture rating as indicated on nameplate.
- All local and national electrical/building codes must be followed when installing the lighting fixture. FOR CODE INTERPRETATION, CONSULT YOUR LOCAL CODE AUTHORITY.
- Product must be used only with globe intact and fully engaged. Replace cracked or damaged globe prior to use.

WARNINGS

- Electrical power must be off before and during installation and maintenance.
- Use only lamp size and wattage as shown on fixture nameplate.
- Fire and Explosion Hazard: Breakage of glass globe and exposure of lamp to a combustible atmosphere can result in an explosion and possible injury or death.
- During installation or maintenance, care should be taken not to scratch, score, nick, or chip the glass globe.
- Fixture must be grounded as required per paragraph 410-21 and article 250 National Electric Code and/or rule 30-500 and section 10 of Canadian Electric Code. Failure to properly ground this fixture will create an electrical shock hazard which can cause serious injury or death.
- Do not energize the fixture until the globe assembly has been installed to avoid exposing hot surfaces or electric arcing to hazardous atmosphere. Failure to comply with this warning can cause fire or explosion which can result in serious injury or death.

INSTRUCTIONS FOR INSTALLATION

This unit ships with the selected Voltage, Colors, and Beam Config pre-configured. We strongly recommend only a licensed electrician install this product.

WARNING: Make sure power is disconnected prior to installing.

This fixture must be mounted to a surface that can structurally support the load.



Four mounting holes are predrilled into the sides of the traffic light back plate.

1. Turn off power at electrical panel.
2. Locate surface mounting holes. Raise fixture into place and drive mounting screws through the pre-drilled mounting holes.
3. Run cable to power source and wire to correct voltage following all appropriate procedures for the hazardous area.
   NOTE: Fixture must be grounded. Check ground continuity before energizing the fixture.
4. See wire labels for connections. Connect line lead to terminal marked “RED” or “GREEN”. Complete circuit by attaching neutral marked “COM”. Attach additional line lead or switch to control colors independently. Refer to included wiring diagram for specifics.
   WARNING: Check product label for voltage! Damage from improper voltage may void warranty.
5. Visually inspect connections and ensure all proper electrical procedures for the hazardous area have been followed.

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!*

Attach supply line wires to the appropriate light fixture wires as shown in the diagram ➔



Secure each pair of wires according to the diagram. Utilize a 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.

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

- 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.*

USE AND CARE

Unauthorized modification may impair the function and/or safety of the work light and could affect the life of the equipment. Always check damaged or worn out parts before using the work light. When work light is not in use, store it in a secure place out of the reach of children. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

This unit 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 OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

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