EPL-CM-21W-LED

Explosion Proof LED Light Instruction Manual

LARSON ELECTRONICS LLC · 9419 E US HWY 175 · KEMP, TX 75143
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Congratulations on the purchase of your new Explosion Proof Light. Please read these instructions carefully to familiarize yourself with the safe operation and maintenance of your new LED light. Following these instructions will insure many years of safe and dependable service.

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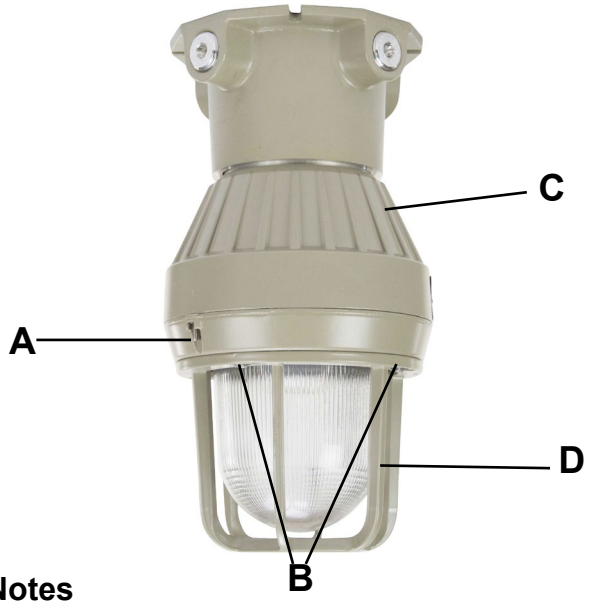
I. Lamp Installation



I. On/Off Operation

1. Install fixture's mounting accessory per instructions supplied with the mount (See Mounting Options).

2. Loosen the lock-in screw (A).

3. Unscrew and remove the globe support assembly from fixture tank (C).

4. Verify that the supply line voltage and fixture nameplate voltage are compatible.

5. Make sure the external threads at the top of the fixture tank are free of any dirt, metal chips or other foreign materials. Apply a thin coat of lubricant to the threads.

6. Tighten the set screw on the side of the mounting accessory.

7. Referring to the fixture nameplate, install the proper size and type of lamp.

8. Make sure the globe support threads are clean. To prevent galling of threads, apply a thin coat of lubricant to the male threads. Thread the globe support assembly into the fixture tank and turn until there is no gap between the flanges.

9. Tighten the locking screw (A).

10. To install the guard (D) loosen the 4 screws (B), slip the guard over the screws and rotate it to the locked position. Tighten the screws firmly.

II. Notes

Join or "lap" marks may form during the pouring of molten glass in the globe manufacturing process. It is not unusual for these marks to become visible. This is a common and normal occurrence for large explosion proof globes and does not effect performance.

Take extreme care not to cross-thread the fixture when installing into mounting accessory. Install fixture by threading into the mounting accessory; the electrical contacts will automatically engage. Be sure the fixture is tight.

This fixture is factory sealed.

III. Replacement Parts

1. Bulb Replacement Part No.: LEDB-5C2S

For more information on replacement parts and accessories, please contact Larson Electronics at 1-800-369-6671.

II. Mount Installation and Wiring

I. Pendant Mounting

1. Thread the fixture onto the conduit, sealing around the conduit using approved NEC procedures. Flats are provided at the top of the fixture to tighten with a wrench.

2. After securing to the conduit, tighten the set screw.

Pendant Mount

Ceiling Mount

II. Wall Mounting

1. Remove the wiring box from the arm and attach box to the mounting surface.

2. Pull leads to the box and through the arm to the wiring chamber.

3. Attach the arm to the wall box.

4. The mounting screws should be tightened in alternate sequence.

Wall Mount

III. Ceiling Mounting

1. Attach fixture to mounting surface using the two mounting tabs provided.

IV. Wiring Insructions

Remove the wiring access plug. For high voltage fixtures, connect neutral to white fixture wire and line to black fixture wire, connect ground (earth) to ground lug inside the fixture. For low voltage fixtures, connect low voltage (+) to white fixture wire, and low voltage (-) to black fixture wire. Make all wiring connections accordance with accepted NEC and local wiring procedures for factory sealed fixtures. Be sure any unused wiring entrances are closed with closure plugs provided.

III. Maintenance and Caution Notice

Following this manual information will extend the lifespan and use of this strobe light in a safe manner.
KEEP THIS LIGHT AND ALL ACCESSORIES OUT-OF-REACH OF CHILDREN.

Maintenance

Turn OFF the supplying circuit before opening fixture for re-lamping. To re-lamp loosen the locking screw and remove the globe support assembly.

The globe support assembly disengages after approximately 3 turns. *Replace the lamp with one of the correct size and type. Refer to the fixture nameplate for this information. When re-lamping be careful not to damage the threaded areas of the fixture, as they maintain the fixture's explosion proof properties. Clean the threads and apply a thin coating of lubricant before reassembling.

To maintain maximum light output, the fixture should be cleaned periodically. Maintenance procedures sometimes require fixtures to be hosed down for good housekeeping.

The supply circuit must be turned OFF and the fixture globe must be allowed to cool to the ambient room temperature before cleaning. Only mild, non-abrasive cleaning agents should be used. These periodic cleaning procedures are important to prevent the accumulation of dust and dirt which will impair the light output of the fixture. The glass globe should be regularly inspected for scratches and chips and, if damaged, the entire globe support assembly must be replaced.

Caution Notice

Technical information, advice and recommendations contained in these documents is based upon information that Larson Electronics LLC believes to be reliable. All of the information and advice contained in these documents is intended only for use by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used; its storage, delivery, installation, check-out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custody and control of the manufacturer, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.

IV. Explosion Proof Ratings and Warnings

For personal safety, always confirm the rating of any known hazardous or potentially hazardous location where the light is to be used.

Warnings

WARNING: To prevent ignition of a hazardous atmosphere, the supply circuit should be disconnected when installing, re-lamping or performing any maintenance on this fixture.

WARNING: When installing this fixture 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: The globe is tempered glass. Do not scratch or chip. Turn the power off before starting installation, repair or re-lamping.

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.

Ratings and Approvals

FOR USE IN HAZARDOUS LOCATIONS

IP67 Waterproof
Suitable for Paint Spray Booths
T3C Temperature Rating

Class I Groups C and D
Class II Groups E and F
Class III Groups E, F and G

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V. Warranty and Disclaimer

Larson Electronics', LLC. LarsonElectronics.com warrants this unit to be free of defects in materials and workmanship for a period of three (3) years from the date of purchase.

If the unit should malfunction, it must be returned to the factory for evaluation. Larson Electronics' Customer Service Department will issue a Returned Merchandise Authorization (RMA) number immediately upon phone or written request. Upon examination by Larson Electronics', if the unit is found to be defective it will be repaired or replaced at no charge. Larson Electronics' WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of Larson Electronics' control.

Larson Electronics' is pleased to offer suggestions on the use of its various products. However, Larson Electronics' neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by Larson Electronics', either verbal or written. Larson Electronics' warrants only that the parts manufactured by it will be as specified and free of defects.

LIMITATION OF LIABILITY

The remedies of purchaser set forth herein are exclusive and the total liability of Larson Electronics' with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall Larson Electronics' be liable for consequential, incidental or special

CONDITIONS

Should any Product(s) be misused in any way, Larson Electronics' assumes no responsibility as set forth in our basic WARRANTY / DISCLAIMER language, and additionally purchaser will indemnify Larson Electronics' and hold Larson Electronics' harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

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VI. Return Requests and Inquiries

Direct all warranty and repair requests/inquiries to the Larson Electronics' Customer Service Department. **BEFORE RETURNING ANY PRODUCT(S) TO LARSON ELECTRONICS', PURCHASER MUST OBTAIN A RETURNED MERCHANDISE AUTHORIZATION (RMA) NUMBER FROM LARSON ELECTRONICS' CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS)**. The assigned RMA number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

For **WARRANTY RETURNS** please have the following information available BEFORE contacting Larson Electronics

1. Order number under which the product was PURCHASED.

2. Model and serial number of the product under warranty.

3. Repair instruction and/or specific problems relative to the product.

For **NON-WARRANTY REPAIRS** consult Larson Electronics LLC for current repair charges. Have the following information available BEFORE contacting Larson Electronics LLC:

1. Order number to cover the COST of the repair.

2. Model and serial number of product.

3. Repair instructions and/or specific problems relative to the product.

Larson Electronics' policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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