Explosion Proof Compact LED Handlamp
Instruction Manual

INTRODUCTION

This document covers the operation, maintenance, and re-lamping procedures for an EPL-FL26-LED hazardous locations work light. This light is suitable for the following hazardous locations only:

Class I, Divisions 1 & 2, Groups C & D
Class II, Divisions 1 & 2, Groups E, F, and G
Class III, Divisions 1 & 2

Refer to the National Electric Code (NEC) NFPA 70 for more information on hazardous locations.

OPERATIONS AND USE

WARNING:

FOR FLYING LEADS:

This light is not supplied with a plug. If the light is used in a hazardous location environment, it must be terminated with a suitable plug or hard wired into an appropriate junction box rated for the environment it is to be used in. Comply with all NEC Rules and Regulations when terminating light with a plug. Failure to comply with this could result in an explosion, electri-cal shock, or personal injury.

CAUTION:

Follow manufacturer's instructions for attaching plug to light ensuring all wires are properly terminated and grounded.

CAUTION:

When hanging the light using the hook, use an appropriate entity capable of holding at least 6 lbs. (2.72 kg).

MAINTENANCE:

WARNING: It is very important that only *qualified* personnel perform maintenance and repair operations in a NON-HAZARDOUS area. The integrity of the component assembly and flame-path must be maintained in order to provide adequate protection for personnel using this light. Comply with all NEC Rules and Regulations when performing maintenance operations. Failure to comply with these could result in an explosion, electrical shock, or personal injury.

WARNING: When performing maintenance operations disconnect power. Failure to do so could result in electrical shock.

Make a thorough visual inspection of the work light for any chips, cracks, or burns within the glass, aluminum handle, and cage. Check the entire length of the cord for any frays or visible wires that could affect the performance of the light. Check that all the rubber bumpers are integral with the aluminum. If there are any frays in the cord, cracks in the glass or disturbances in the aluminum outside of normal wear, remove the light from service immediately and contact Larson Electronics for replacement.

CAUTION: Clean external parts of work light only; internal parts do not require cleaning. Applying solvent could result in damage to the electrical equipment.

The EPL-FL26-LED can be cleaned applying Simple Green® or an equivalent cleanser and wiping any dust or grease off with a rag. After cleaning process is performed, allow adequate time for light to completely dry before placing in operation.

PLUG OPERATION (for units pre-wired with explosion proof cord cap)

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

Relamping Instructions for EPL-FL26-LED

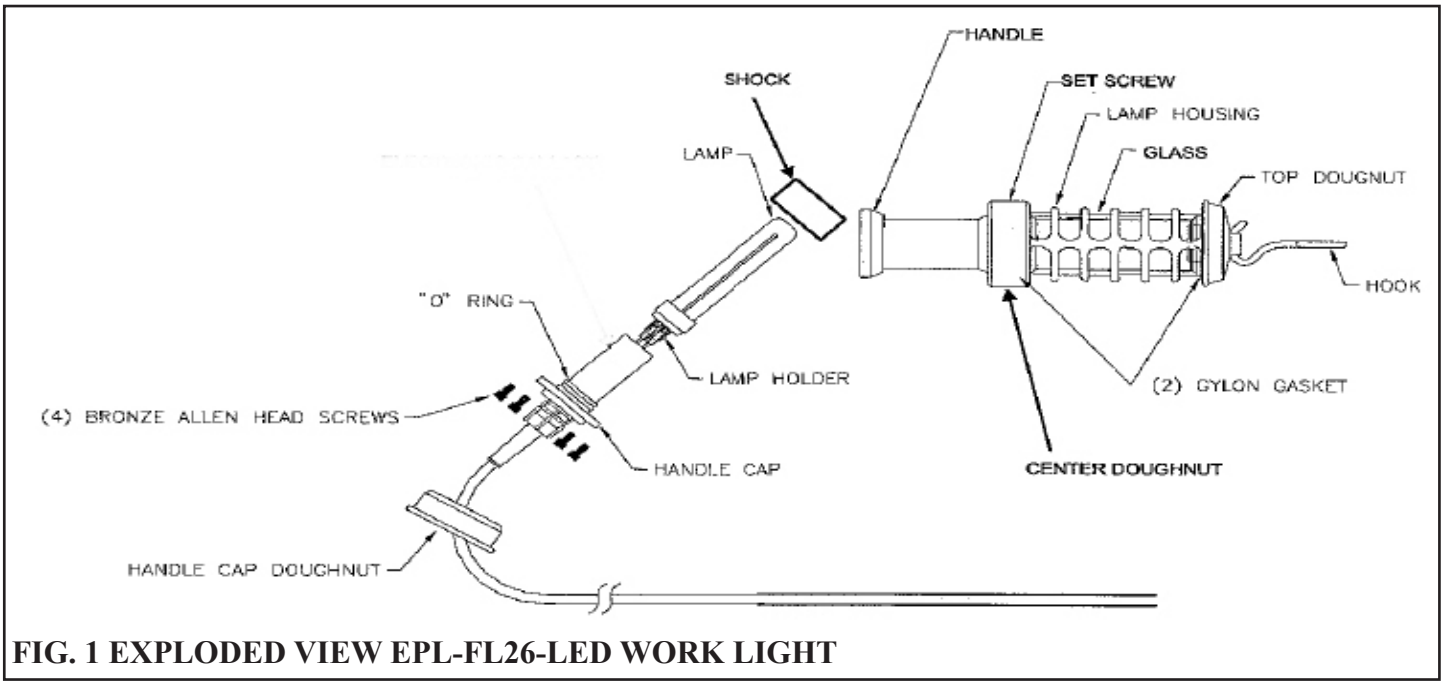


FIG. 1 EXPLODED VIEW EPL-FL26-LED WORK LIGHT

WARNING: When relamping work light, disconnect power. Failure to do so could result in electrical shock.

1. Loosen strain relief from handle end of light and slide down the cord.
2. Loosen and remove the four brass Allen Head screws using the appropriate tool.
3. Slide handle cap doughnut off the end of the handle to gain access to the handle cap. With a slow rocking motion, slide the handle cap and lamp-head assembly from the handle and cage casing assembly.
4. Remove the shock from the end of the lamp and set aside. Grasping lamp holder in one hand and lamp in other hand, remove the lamp with a slow rocking motion and discard.
5. Replace lamp with same type and rating lamp or equivalent. Slide shock on the end of the lamp. Slide lamp into lamp holder assembly until a click is heard.
6. Make a visual inspection of the “O” Ring. If “O” Ring has any sign of wear contact Larson Electronics for replacement part. Check the black shrink-wrap fitting for any signs of damage.
7. Slide the lamp assembly back into handle and cage assembly, aligning the four screw holds. Tighten brass screws and torque to 35lbf-ft (47.5N-m). Slide handle cap doughnut onto handle cap, align holes with screws. Slide strain-relief into place and tighten to a snug fit.
8. Test light in a non-hazardous location before using in a hazardous location to ensure proper operation of lamp.

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.