

Industrial Handheld UV Disinfection Light - Corona Virus - UVC, Fluorescent - 50' SOOW Cord Instruction Manual

INTRODUCTION

This document covers the operation, maintenance, and re-lamping procedures for an IND-HL-UVC-FL26-50.

WARRANTIES

Please contact us or visit LarsonElectronics.com for Warranty and Return information

OPERATIONS AND USE

WARNING:

This light is not supplied with a plug.

the light 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, electric cal shock, or personal injury.

CAUTION:

Follow manufacturer's instructions for attaching the 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 quolified personnel perform maintenance and repair operations. The integrity of the component asssembly 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 proforming maintance 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, adn change. 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 nor-mal wear, remove the light from service immediately and contact Larson Electronics.

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

The IND-HL-UVC-FL26-50 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.

Relamping Instructions for EPL-FL26

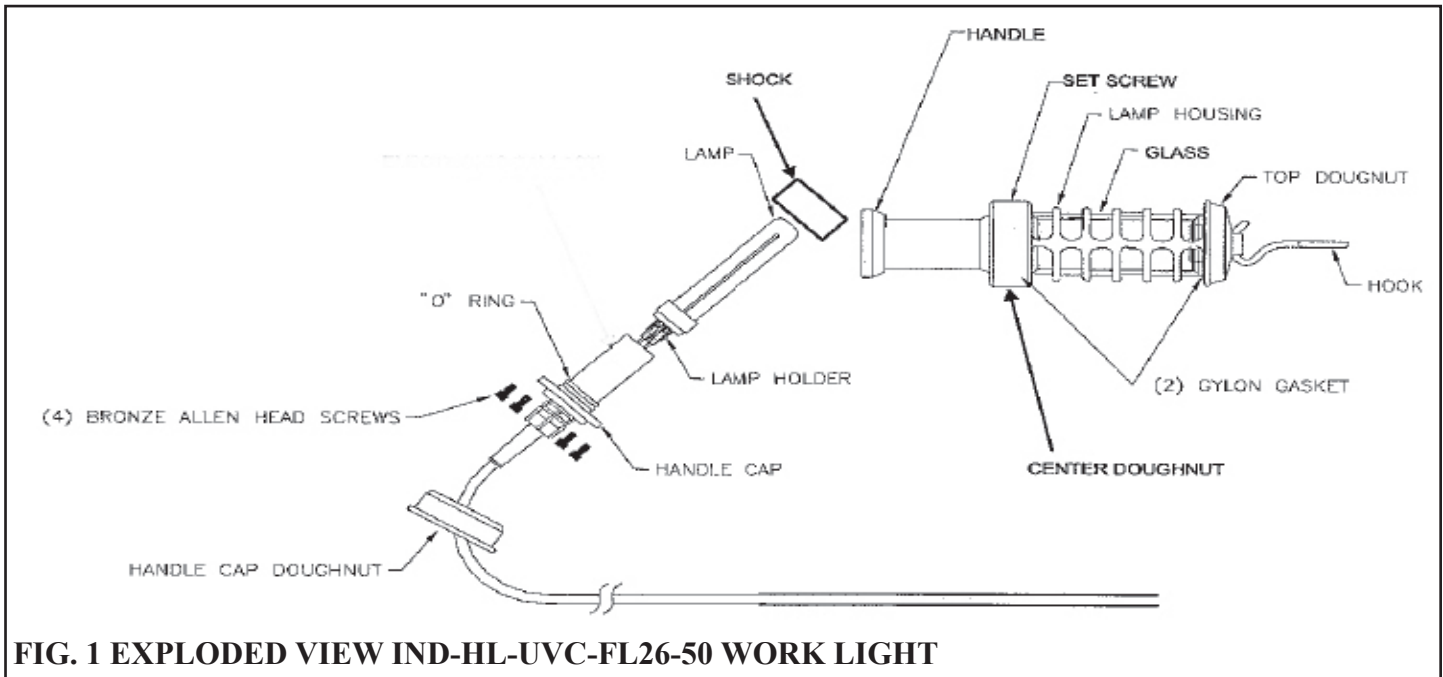


FIG. 1 EXPLODED VIEW IND-HL-UVC-FL26-50 WORK LIGHT

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 a FL26 bulb, Compact Fluorescent Germicidal UV-C 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 KH Industries for replacement part. Check the black shrink-wrap hitting 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 before using ensure proper operation of lamp.

Ultraviolet Radiation Safety

WARNING: Do not attempt operation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet.

OPERATION PRECAUTIONS

- **UV LIGHT WARNING:** UV-C light can cause temporary or permanent loss of vision, and temporary acute redness or ulceration (mild to severe sunburn) to exposed skin. To prevent exposure, do not operate the device in any application that allows UV-C light to be visible during operation.
- **UV LIGHT CAUTION:** UV light may degrade plastic and rubber components after longterm exposure.
- Currently, there are no work place related rules and regulations that are set by OSHA (Occupational Safety and Health Association) in regard to UVC environmental health and safety.
- **NEVER LOOK DIRECTLY AT THE BULB OR DISINFECTING TARGET ZONE**

OPERATION SAFETY

- People and animals are forbidden from being exposed to the light output of this cart for extended periods of time. Long term exposure will cause damage to the eyes and skin.
- This product produces UV radiation in a 180° direction. Anything in front of the unit will be exposed to UV radiation. Operators positioning the cart while not illuminated will not be exposed. Radiation is only emitted while the cart is turned on. Radiation will not linger in the environment when the lamps have been powered off. Safety equipment is only required when the device is in-use.
- Wear eye protective gear when operating the equipment. Polycarbonate safety glasses at minimum are required during all operations. Full frontal polycarbonate or UV-preventative face masks are recommended.
- Wear long sleeves and gloves when operating the equipment. Tyvek personal protective gear is required for long term exposure.

OPERATION SAFETY STRATEGIES

- Instruct service personnel to never look directly at UV-C light without adequate eye protection.
- Make it a policy to never enter areas being disinfected with UV lighting systems without powering the system down first. Methods of powering down depends on the options of the device purchased and may include unplugging the light source, operating the power switch to power the lamps off, or turning the system off via a wireless remote control or wireless application.
- Place warning labels near all openings/entrances to areas being disinfected with UV lighting systems. When possible, lock access doors to prevent unexpected guests from entering the area.
- Close blinds/curtains of areas being disinfected with UV lighting systems if available. If not available, block off direct access to windows/doorways to prevent access to the area. If you cannot fully block off all access (hallways with visible windows, etc) place exterior warnings in areas prior to the exposed windows (hall pedestals, banners, posters) explaining what areas are being disinfected and to not look into the room.
- Educate non service personnel about the intended operations for UV disinfecting and what signage will be posted. Instruct non service personnel to never look directly at UV-C light.
- Instruct service personnel to always wear personal protective gear (as outlined above) when they must operate in an area that has UV-C exposure, for short or long term work.

These safety precautions will help ensure service personnel are protected from accidental exposure while maintaining the effectiveness of UV-C to eradicate biological contaminants.

In the event of UV exposure, the following actions are recommended.

- See an ophthalmologist if eye damage is suspected.
- Treat skin lesions immediately.
- For severe skin lesions, seek local medical treatment and follow their recommendations for treatment.
- Follow your organization's incident reporting procedure. These often require documentation of the date and time of the incident, persons involved, equipment involved and type of injury.