Industrial UV Sanitation Light Cart Instruction Manual

Thank you for your purchase of your Larson Electronics Industrial UV Sanitation Light Cart.

EPA Reg. No 98409-1

EPA Est. No. 98409-TX-1

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.
RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.
RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

WARNING: ULTRAVIOLET LIGHT IS HARMFUL TO EYES AND SKIN. DO NOT STARE DIRECTLY INTO THE ULTRAVIOLET BEAM WITHOUT WEARING PROTECTIVE GEAR TO PROTECT EYES FROM LONG TERM DAMAGE. UNPLUG LAMP BEFORE SERVICING.

Installation Precautions

- Do not operate in any occupied location where people or animals are present.
- Consult fixture nameplate for the suitable ambient temperature shown on the nameplate.
- 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 or maintaining this lighting fixture. For code interpretation, consult your local authority.
- Read UV Safety section before operating

OPERATION



This unit comes pre-configured from factory with selected cord cap choice.
Lift and roll the cart like a traditional dolly. The cart can be positioned upright or horizontal (parallel to the ground). The horizontal position can be useful for positioning cart under large machinery including tall vehicles and aircraft in order to sanitize maintenance areas. When laying cart horizontal, position cart in a flat area near the work site as this minimizes risk of cart rolling unexpectedly. Once cart in the desired area, run power cord to compatible outlet outputting voltage listed on fixture nameplate. For models with switch, turn the switch on to illuminate the lamp. Otherwise, this dolly cart light is “instant-on” and will illuminate once connected to a live power source. Take necessary caution when running cable as to not cause trip hazards or the potential to get damaged or snagged by high foot or machinery traffic.

WIRING (*For carts with flying leads instead of cord cap*)

We strongly encourage a licensed electrician install this product, in all locations, especially in outdoor areas where weatherproofing may be required.

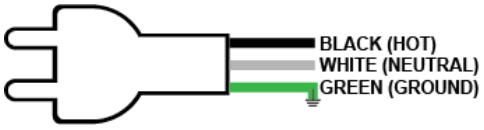


Warning: *Check product label for correct input voltage!*



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

Secure each pair of wires according to the applicable 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 wiring. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes.



Lamp Replacement

Caution: Only use lamp size, type and /or wattage as shown on fixture nameplate.

Warning: *Do not touch bulb with bare hands.* The oils in your skin will damage the lamp. Fingerprints will result in reduced performance and significantly reduce the lifespan of the lamp unless removed with alcohol. Be sure fixture is disconnected from power source and cooled off before servicing.

This cart uses standard T8 style fluorescent UV bulbs. Be sure to replace the existing bulbs with bulbs of the same type and rating. Wear gloves and avoid touching the glass part of the bulb with your skin. To remove the old lamp, grip the lamp at both ends and rotate 90 degrees to align the two pins with the slot in the tombstone receptacle holding the lamp in at both ends. This will free the lamp, allowing you to pull it straight out and away from the fixture. Discard the old lamp properly in accordance with local and/or national regulations. Reverse these steps to install the new lamp into the fixture. Check the lamp is securely in place at both ends and fully rotated into position so that it is locked into the receptacles before powering back on.

USE AND CARE

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

REPLACEMENT PARTS

The UV Sanitation Cart from Larson Electronics 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 1-800-369-6671 FOR FURTHER ASSISTANCE.

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

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 case damage to the eyes and skin.
- This product produces UV radiation. 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. 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.

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