# 10W Chemical Resistant LED Light
# C1D2 - C2D2 - Non-Metallic - Polycarbonate Lens -Corrosion Resist
# Instruction Manual

Thank you for your purchase of the Larson Electronics HAL-CRNM-LED10W-PC.

## WARNING:

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

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

## IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE HAL-CRNM-LED10W-PC MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

**WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.**

**WARNING:** MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

**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.

The HAL-CRNM-LED10W-PC Class I, Division 2 and Class II, Division 2 Chemical Resistant LED Light from Larson Electronics is for use in hazardous locations and 1050 total lumens. This waterproof LED equipped light is pendant, ceiling, or wall mounted, and available in 120-277V AC, 12V DC or 24V DC voltage configurations. The HAL-CRNM-LED10W-PC features a durable and resiliant polycarbonate lens.

## WIRING

### Standard pigtail(flying leads) wiring

***We strongly encourage a licensed electrician install this product***, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 120V - 277V AC, 50 or 60Hz except those factory ordered with low voltage at 24V DC.

**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.

### Low Voltage DC

Connect power to power supply outputting low voltage at 24 Volts DC. This variable voltage allows greater versatility without affecting light output. Ensure deutsch connectors are properly connected (If applicable).

## INSTALLATION

The LED light has a 3/4" NPT wiring hub for connections.

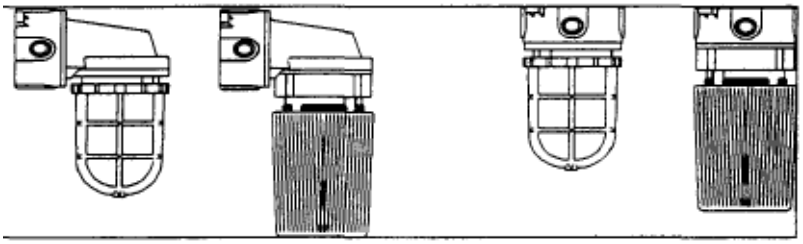
1. Before installation or service of this fixture, TURN OFF ELECTRICITY.
2. Wiring needs to comply with National and Local Electric Codes.
3. Run cord or wiring to compatible receptacle outputting voltage on fixture nameplate. Make all connections in accordance with accepted NEC procedures.

### WALL

1. Attach wall box using two mounting ears.
2. Attach conduit as required, and pull wires into. box. Connect wires to fixture.
3. Attach arm with mounting screws.
4. Attach socket assembly to arm.
5. Install lamp. Install globe and tighten to insure seal. Install guard (If applicable).

### CEILING

1. Attach ceiling box using two mounting ears.
2. Attach conduit as required, and pull wires into box. Connect to fixture
3. Attach socket assembly to arm. Install lamp. Install globe and tighten to insure seal. Install guard.



## LAMP INSTALLATION

1. Disconnect fixture from power and ensure it is cool to the touch.
2. Remove guard(if applicable) and globe from light fixture.
3. Unscrew light bulb.
4. Replace with equivalent lamp not exceeding rated wattage.
5. Secure new light bulb.
6. Secure guard (if applicable) and globe back onto the light fixture.
7. Reconnect fixture to power and continue use.

## MAINTENANCE

**Caution:** To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

**Warning:** No user serviceable parts inside of fixture. Risk of electric shock. Removal of the lens will void the warranty.

1. Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended practice for Electrical Equipment.
2. The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.
3. Inspect the cooling fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
4. Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

## 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 HAL-CRNM-LED10W-PC 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.