45 Watt Low Profile LED Canopy Light - Emergency Battery Backup
INSTALLATION & OPERATION

Do not attempt installation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet. This LED wall pack is universal voltage, not multi-tap, and operates on any voltage ranging from 110 volts to 277 volts AC 50/60Hz.

WARNING!

- TO PREVENT RISK OF ELECTRICAL SHOCK DEACTIVATE/DISCONNECT POWER SUPPLY BEFORE INSTALLING OR RELAMPING FIXTURE.
- THIS FIXTURE SHOULD BE INSTALLED BY QUALIFIED TECHNICIANS IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ANY STATE OR LOCAL REQUIREMENTS.
- 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 THIS LIGHTING FIXTURE. FOR CODE INTERPRETATION, CONSULT YOUR LOCAL AUTHORITY. PRODUCT MUST BE USED ONLY WITH LENS INTACT AND ALL CAP THREADS FULLY ENGAGED. DO NOT USE IF LENS IS CRACKED OR DAMAGED.
- VERIFY THAT SUPPLY VOLTAGE IS CORRECT BY COMPARING IT WITH THE LUMINAIRE LABEL INFORMATION.
- MAKE ALL ELECTRICAL AND GROUNDED CONNECTIONS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ANY APPLICABLE LOCAL CODE REQUIREMENTS.
- ALL WIRING CONNECTIONS SHOULD BE CAPPED WITH UL APPROVED WIRE CONNECTORS.
- ALLOW FIXTURE TO COOL BEFORE HAN- DLING. DO NOT TOUCH ENCLOSURE OR LIGHT SOURCE.
- ELECTROSTATIC DISCHARGE (ESD) CAN DAMAGE LED FIXTURES. PERSONAL GROUNDING EQUIPMENT MUST BE WORN DURING ALL INSTALLATION OR SERVICING OF THE UNIT.
- DO NOT TOUCH INDIVIDUAL ELECTRICAL COMPONENTS AS THE CAN CAUSE ESD, SHORTEN LAMP LIFE, OR ALTER PERFORMANCE.

INSTALLATION

We strongly recommend that only a licensed electrician install this product.

1. Cut off all power before attempting to perform any maintenance.
2. Power via cable with cord grip or conduit.
3. To access the internals, remove screws holding the polycarbonate lens.
4. Lift lens off to reveal LED board.
5. Remove two screws holding LED board.
6. Lift LED board off and set aside. This is attached by wire.
7. Affix light fixture to the surface.
8. Connect wires according to the diagram.
9. Connect battery to driver.
10. Make sure to cap off any unused wires.
11. Seal fittings as necessary.
12. Replace LED board and Lens.
13. Activate Fixture.

Voltage: 110-277VAC 50/60Hz

Check fixture nameplate for proper voltage!

WIRING

USING CABLE

The fixture contains ½" NPT ports.

- See wire diagram for electrical connections.
- Feed wires into fixture and seal entry with NPT CG-Type watertight connector or equal.
- For supply connections, use wire suitable for at least 90°C.

USING CONDUIT

- Push wires into hub.
- Install conduit to the fixture.
- Access internals to reveal wiring chamber of fixture.
- See wire diagram for electrical connections.
- Replace LED board and lens.

EMERGENCY BALLAST:

Canopy light is in Stand-by Mode when AC Line is present and the battery is charging.
Canopy light is in Emergency Mode when AC Line is not present and the LED is powered by the battery.

Installation Standards
The installation of the LEDHCL-EMG-250-WCM into a luminary must be done by a certified electrician according to the EN60598-I and 2-22 as well as additional local standards.

Connect as follows while observing correct polarity where applicable:

1. Connect Rechargeable Battery to the battery input TB2.
2. Input TB1 to un-switched AC Mains according to markings.
3. Input switched AC Mains to LED Driver.

* Please refer to the illustration and wiring diagram as well as the markings on the LEDHCL-EMG-250-WCM housing.

BATTERY MAINTENANCE

- First time charging of the battery takes at least 24 hours, after which 2 complete discharge and charge cycles are necessary to reach the batteries full capacity.
- If the Status LED is not lit during Stand-by Mode, the battery is most likely unconnected or needs to be replaced.
- To achieve best performance the LEDHCL-EMG-250-WCM must be properly maintained. The LEDHCL-EMG-250-WCM should be tested fully by being switched into emergency mode once every 4 months for the desired emergency operation time.
- Any warranty claim must be accompanied by documentation which records the dates of this maintenance procedure and signed by maintenance personnel.
- For battery warranty, the date of the first charging must be noted on the battery.
- The battery will need to be replaced with an identical new one if it has been in operation for more than its prescribed lifetime of 4 years. This includes regular full discharge test time and any additional test procedure time required by local regulations.

MAINTENANCE:

This LED light provides low maintenance service with no bulbs to change. Electrical and mechanical inspection of all components must be performed on a regularly scheduled basic, determined by the environment and frequency of use. It is recommended that inspection be performed a minimum of once a year.

1. Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice For Electrical Equipment Maintenance (www.nfpa.org).
2. Visually check for undue heating evidenced by discoloration of wires or other components, damaged parts, or leakage evidenced by water or corrosion in the interior.
3. Electrically check to make sure that all connections are clean and tight.
4. Mechanically check that all parts are properly assembled.

Clean surfaces with a mild soap and water. Do not use abrasive materials such as scouring pads or powders, steel wool or abrasive paper.

Unauthorized modification may impair the function and/or safety of the light fixture and could affect the life of the equipment. Always check damaged or worn out parts before using the unit.

TROUBLESHOOTING

Most failures experienced are due to improper installation.
Therefore, most failure issues can be corrected by checking that:

- Wires are properly clamped into terminals.
- Installation is done according to the wiring diagram.
- Proper polarities and LED load maximums are observed.

Should further information not covered by these instructions be required, please contact Larson Electronics at 1-800-369-6671 or sales@larsonelectronics.com for further assistance.

Please visit LarsonElectronics.com for **Warranty** and **Return** information.