

COOPER LIGHTING

Installation Instructions for UEL Emergency Self Diagnostic Lighting Fixtures

NEMA type 4X rated enclosure: Raintight, Watertight, and Corrosion Resistant
Suitable for Wet Locations, For use in -35°C (-31°F) to 50°C (122°F) ambient environments.
NSF- Splash Zone Certified
MR16 lamps, 24W (combined) Maximum.

IMPORTANT SAFEGUARDS

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE OBSERVED INCLUDING THE FOLLOWING:

- 1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. Do not mount near gas or electric heaters.
3. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
4. Do not use this equipment for other than its intended purpose.
5. To be completed by a qualified electrician only.
6. Disconnect power supply before servicing fixture.
- 7. SAVE THESE INSTRUCTIONS**

INSTALLATION

Step 1. Turn off AC Power

Step 2. Access backplate for mounting by removing the four screws holding the clear weather shield, and the two screws retaining the plastic cover.

NOTE: Due to the airtight nature of the UEL, the shield may be held on by a slight vacuum. If this occurs, carefully pry the corners of the shield up using a flat head screwdriver.

Step 3. For some mountings, it may be necessary to remove the battery. Do this by first unplugging the battery from the printed circuit board. Then, unfasten the hook and loop strap from the battery, and remove the battery.

NOTE: When mounting the UEL, it is important to consider the weight of the unit, thirteen pounds. A suitable anchor is recommended, or mounting directly to a stud, for the unit itself, or the junction box the unit is mounted to.

Step 4. For rear mounting drill or knock out center hole and required screw locations for junction box. Bring wires through center hole, and attach mounting plate to junction box. For conduit mounting, drill or knock out 7/8" diameter conduit holes. Conduit knockout holes are on the top surface of the back plate. Attach conduit fittings, making sure to use 1/2" liquid tight fittings if the unit required to be sealed against moisture.

NOTE: When back mounting the UEL on an uneven surface such as brick or stucco, silicone caulk should be used to prevent water from seeping in between the unit and the J-box.

Step 5. Connect power supply in accordance with local codes. Wire connections as follows: 277V line to Orange lead; 120V line to Black lead; Neutral to White lead. Cap unused line lead. (See Wiring Diagram) Insert the supply wires (strip length 3/8") into the appropriate push in connector on the transformer leads; see wiring diagram for details.

Step 6. Once the AC wiring is completed, if necessary, reinstall the battery.

Step 7. Replace the cover and reinstall the cover mounting screws.



WARNING
Risk of Fire/Electric Shock.
If not qualified, consult an electrician.



PRECAUCION
Riesgo de Incendio/Desarga Electrica.
Si no esta calificado, consulte a un electricista.



MISE EN GARDE
Risque d'incendie/de choc électrique.
Contacter un électricien si vous n'êtes pas qualifié.

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- Step 8.** Turn on the AC supply. The red LED should begin blinking to let you know that the unit is energized and giving the battery its initial charge. This will continue for the first 24 hours.
- Step 9.** After 24 hours, operate the test switch. The DC lamps will turn on for approximately 30 seconds when the test switch is depressed. Also, this unit is equipped with a photocell and can be tested with Sure-Lites' LASER pointer by aiming the laser red dot on the hole labeled LASER TEST. The DC lamps will turn on and remain on approximately 30 seconds.
- Step 10.** Adjust the lamp heads to the desired position.
- Step 11.** Check the O-ring in the backplate, to insure it is seated properly and free from dirt and other contaminants.
- Step 12.** Replace the polycarbonate weather shield and the four screws which hold it in place. Tighten screws to approximately 10 in-lbs, DO NOT OVERTIGHTEN.

MAINTENANCE: None required. Replace the batteries every 8-10 years according to ambient conditions, however, we recommend that the equipment be tested regularly in accordance with local codes.

NOTE: Servicing of any parts should be performed by qualified personnel. ONLY use replacement parts and batteries supplied by Sure-Lites. For replacement lamps, battery, or PC board see the fixture label.

CAUTION: This equipment is furnished with a sophisticated low voltage battery dropout circuit to protect the battery from over discharge after its useful output has been used. Allow 48 hours recharge time after installation or power failure for full load testing.

NOTE: Do not use solvents to clean clear plastic shield.

OPERATION: The diagnostic LED indicator indicates the status of the unit. When the UEL is first energized, the LED will blink, indicating it is in a fast charging mode. After 48 hours, the unit is fully charged and in a float charge (normal) condition, and the indicator will be on steady.

The unit will automatically test the battery capacity every thirty days for 30 seconds. It will also perform a full battery capacity test for 90 minutes randomly within a six month period. The emergency mode can be manually tested for 30 seconds by momentarily pressing the test switch, or by aiming a laser pointer at the photocell labeled LASER TEST on the bottom of the unit. If the UEL is operating under battery power, either for test or in emergency mode, the LED will turn off. Operation under battery power can be tested in this way at any time, however it is recommended that the test be performed only when the unit is in the float charge condition. While the battery power will be used when the test button is pressed, it will only test the battery capacity when it is fully charged in the float charge condition. This feature prevents the unit from indicating a false battery capacity failure which could happen if the battery is not fully charged and its capacity is tested.

NOTE: This unit is rated for 24 watts of lamp load. The two supplied 12 watt lamps constitute the maximum load for this unit.

