

LL48 Linear LED Luminaires
Installation & Maintenance Information



SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION
LL48 Linear LED Luminaires are suitable for use in the following hazardous (classified) areas as defined by the National Electrical Code (NEC®).
Refer to the luminaire nameplate for specific classification information, maximum ambient temperature suitability, and corresponding operating temperature (T-Code).
Luminaire construction is designed for use indoors and outdoors in marine and wet locations, where moisture, dirt, corrosion, vibration, and rough usage may be present.
NEC/CEC
• Class I, Division 2, Groups A, B, C, D
• Wet location, NEMA 4X
UL Standards
• UL 844 Hazardous (classified)
• UL1598 Luminaires, UL1598A Marine
CSA Standards
• CSA C22.2 No. 137

LL48 supplied with a choice of voltages:
100-277VAC 50/60 Hz

WARNING
To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.
To avoid electric shock:
Be certain electrical power is OFF before and during installation and maintenance.
Luminaire must be supplied by a wiring system with an equipment grounding conductor.
To avoid burning hands:
Make sure lens and housing are cool when performing maintenance.

WARNING
To avoid explosion:
Make sure the supply voltage is the same as the luminaire voltage.
Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
Use proper supply wiring as specified on the luminaire nameplate.
All gasket seals must be clean.
Before opening, electrical power to the luminaire must be turned off. Keep tightly closed when in operation.

TECHNICAL DATA

Table with 2 columns: Application Category, Operating Temperature Range, Storage Temperature Range, Standard Conduit Opening, Input Voltage. Values include Class I, Division 2, Groups A, B, C, D; -35°C to +55°C; -50°C to +60°C; 1/2" NPT and M20 x 1.5; 100-277VAC 50/60 Hz.

INSTALLATION
OPENING LIGHTING FITTING

Open all screws with M3 hex driver and remove frames and glass.



SUPPLY WIRING CONNECTION

Use Class I, Division 2 wiring methods in accordance with the NEC and CEC.

CONNECTING WIRE

Connect the conductors to the terminals PE, N, L in accordance with the terminal marking (see wiring diagram).



CLOSING LIGHTING FITTING

Fastening all screws with driver.



OPERATION

Before operation, check that the light has been properly installed according to the operating instructions and other existing regulations.

MAINTENANCE

CAUTION
To avoid electric shock:
Pleasure ensure to cut all power before installation and maintenance, and during the progress. A wiring system with grounding means should be used.

During maintenance, the parts should be checked:

- Check the shell and the protective cover to see if there are any cracks or damage
- Check the pad to see if it is in good condition
- Check the terminal blocks and empty plugs to see if they are firmly secured

Note: When there is discrepancy between these instructions and regulations stipulated or used by the state, regulations stipulated or used by the state should be adhered to.

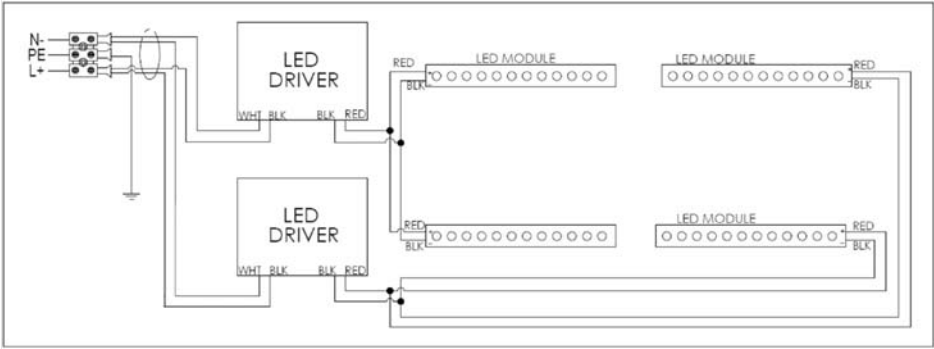
1. Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice For Electrical Equipment Maintenance (www.nfpa.org).
2. The lens should be cleaned periodically to ensure continued lighting performance. To clean, wipe the lens with a clean, damp cloth. If this is not sufficient, use a mild soap or a liquid cleaner such as Collinite NCF or Duco #7. Do not use an abrasive, strong alkaline, or acid cleaner. Damage may result.
3. 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. Replace all worn, damaged, or malfunctioning components, and clean gasket seals before putting the luminaire back into service.
4. Electrically check to make sure that all connections are clean and tight.
5. Mechanically check that all parts are properly assembled.

REPLACEMENT PARTS

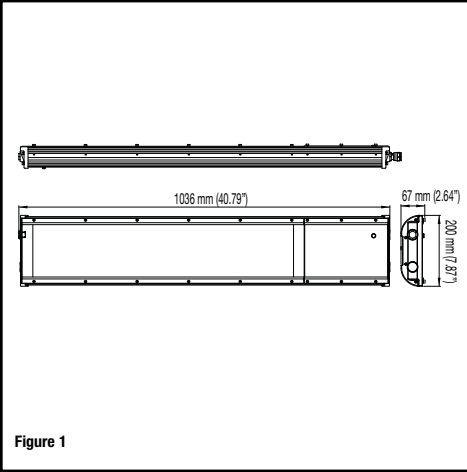
Cooper Crouse-Hinds LL48 Linear LED Luminaires are designed to provide years of reliable lighting performance. However, should the need for replacement parts arise, they are available through your authorized Cooper Crouse-Hinds distributor. Assistance may also be obtained through your local Cooper Crouse-Hinds representative.

Cooper Crouse-Hinds Sales Service Department, P.O. Box 4999, Syracuse, New York 13221, Phone (315) 477-7000.

WIRING DIAGRAM

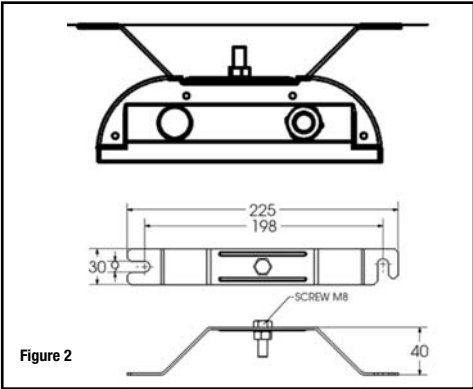


EXTERIOR DIMENSIONS



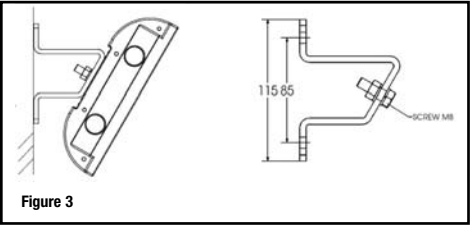
*NOTE: Dimensions in millimeters.

INCLUDED MOUNTING STYLE
CEILING MOUNT

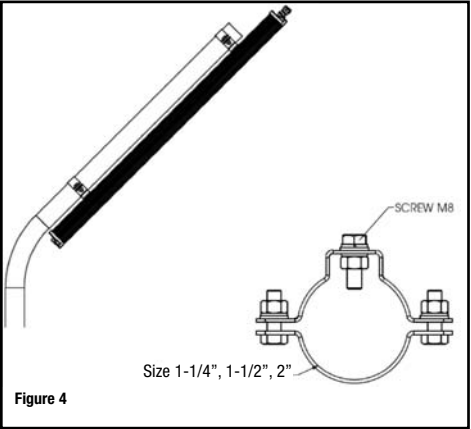


MOUNTING STYLE OPTIONS* (ORDERED SEPARATELY)

WALL MOUNT



POLE MOUNT



Note: For all the mounting styles, there are three (2) available styles of bracket: wall bracket, or tube bracket. Each style includes: self-accessorized M8 bolt with the length customized according to requirements.

Hot dip galvanized options not marine listed.

Number of brackets needed for single LED standard configuration: 2

*NOTE: Dimensions in millimeters.

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Cooper Crouse-Hinds "Terms and Conditions of Sale," and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.