Luminarea™ Series
WLFL Series 150W & 175W Floodlight Luminaires
Installation & Maintenance Information

APPLICATION
Cooper Crouse-Hinds Luminarea 150 watt High Pressure Sodium and 175 watt Metal Halide WLFL Series flood light luminaires are ideally suited for general outdoor area and outdoor parking lot lighting. The WLFL series comes with a standard adjustable mounting knuckle. The housing is made from epoxy powder painted die cast aluminum for a long, trouble-free service life.

WLFL series luminaires are UL and cUL certified for ordinary wet locations (Type 3R). WLFL fixtures are available with multi-tap (120, 208, 240 and 277 volts) or tri-tap (120, 277 and 347 volts) ballast.

WARNING
To avoid the risk of fire or electric shock, this product should be installed, inspected and maintained by a qualified electrician only in accordance with the National Electrical Code and all applicable local electrical codes.

INSTALLATION
1. Loosen glass lens door screws and open fixture.
   Note: The fixture is provided with a multi-tap (120, 208, 240 and 277 volts) or tri-tap (120, 277 and 347 volts) ballast. The fixture is wired at factory to the highest voltage. If a different voltage is desired, follow steps 2 to 5, if not proceed to step 6.
2. Remove reflector mounting screws and reflector from the fixture.
3. Disconnect jumper wire from undesired ballast voltage and replace wirenut on unused ballast voltage lead.
4. Find the desired ballast voltage lead, remove insulation and connect lead to the jumper wire using a wirenut.
5. Install reflector using reflector mounting screws.
6. Screw lamp into lamp holder. Make sure lamp is secure.
7. Close door and tighten door screws.

Mounting
   Note: Luminaire is designed for mounting on a listed wet location rated outlet box cover.
8. Thread locknut on knuckle to upper end of knuckle.
9. Insert fixture leads through outlet box cover and thread cover onto knuckle.
10. Make wire connections, connect the black supply wire to black fixture wire and white supply wire to white fixture wire.

11. Attach the ground supply wire to the green ground wire on the housing.
12. Mount cover and fixture to outlet box.
13. Aim the fixture horizontally and tighten locknut onto box cover.
14. To position vertically, loosen knuckle bolt, adjust and retighten bolt.
15. Turn power back on.

LAMP REPLACEMENT
1. Disconnect power to luminaire and allow to cool completely.
2. Loosen glass lens door screws and open fixture.
3. Remove lamp.
4. Perform cleaning and inspection as noted in MAINTENANCE section.
5. Screw new lamp into lampholder and hand tighten securely. New lamp must be identical type, size and wattage as marked on the luminaire nameplate.
6. Close door and tighten door screws.

WARNING
To avoid electrical 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.
• Make sure the supply voltage is the same as the luminaire voltage.
• Use proper supply wiring as specified on the luminaire nameplate or carton label.
• Before opening, electrical power to the luminaire must be turned off. Keep tightly closed when in operation.
MAINTENANCE

- Perform visual, electrical and mechanical inspections on a regular basis. It is recommended that checks be made at least once a year. We recommend an Electrical Preventative Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice for Electrical Equipment Maintenance (www.nfpa.org).

- The lens should be cleaned periodically to insure continued lighting performance. To clean, wipe the lens with a clean damp cloth. If this is not sufficient, use a mild soap or liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner. Damage may result.

- Visually check for undue heating evidenced by discoloration of wires or other components, damaged parts or leakage evidenced by water in the interior. Replace all worn, damaged or malfunctioning components and clean gasket seals before putting luminaire back into service.

- Electrically check to make sure that all connections are clean and tight.

- Mechanically check that all parts are properly assembled.

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 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.