APPLICATION

Cooper Crouse-Hinds Luminarea 250, 400 and 1000 watt High Pressure Sodium and 250, 400 and 1000 watt Metal Halide WLFL Series flood light luminaires are ideally suited for general outdoor area and outdoor parking lot lighting. The 250 watt and 400 watt WLFL series need to be used with the optional swivel bracket (part # WLFLSB-3) or slip fitter (part # WLFLSF-3), sold separately. The 1000 watt WLFL series needs to be used with the optional slip fitter (part # WLFLSF-4), sold separately. 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.

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.

INSTALLATION

Mount Housing

The 250 and 400 watt WLFL series floodlight may be mounted using either the optional swivel bracket (catalog # WLFLSB-3) or slip fitter (catalog # WLFLSF-3). The 1000 watt WLFL series floodlight must be mounted using the WLFLSF-4 slip fitter.

Slip Fitter Instructions
1. Assemble slip fitter and gasket to bottom of floodlight housing using hardware provided. Tighten bolts securely.
2. Slip the slip fitter over tenon or heavy wall pipe and securely tighten the two Allen head set screws. The lower fitter is designed to slip over 2 ½" OD heavy wall pipe or tenon.
3. Aim floodlight at desired angle and tighten the two Phillips head set screws on slip fitter

Swivel Bracket Instructions
The Swivel Bracket should be mounted directly onto a flat surface with hardware that you provide.
1. Assemble swivel bracket to bottom of floodlight housing using the hardware provided. Be sure to install screw O-ring gaskets between housing and swivel bracket to insure rain tight rating. Tighten the bolts securely.
2. Secure the swivel bracket to flat mounting surface with appropriate size bolts.
3. Aim floodlight at desired angle with positioning screws. Make sure positioning screws are tight once floodlight is at desired angle.

Wiring
4. Loosen four screws on glass lens door and open fixture.
5. Remove lamp reflector by loosening screws on each side.
6. Remove sheet metal barrier below lamp socket to expose ballast by loosening four screws in each corner.

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 pre-wired to the highest voltage supplied with the ballast (277 volts for multi-tap and 347 volts for tri-tap)
7. If voltage other than pre-wired value is desired, disconnect jumper wire from undesired ballast voltage and replace wire nut on unused ballast voltage lead.
8. Find the desired ballast voltage lead, remove insulation and connect lead to the jumper wire using a wire nut.
9. Make wire connections, connect the black supply wire to black fixture wire and white supply wire to white fixture wire.
10. Attach the ground supply wire to the green ground wire on the housing.
11. Replace sheet metal barrier over the lamp socket and ballast with four screws provided.
12. Replace lamp reflector with two screws provided.
13. Screw lamp into lamp holder. Make sure lamp is secure.
14. To allow fixture to vent and meet NEMA 3R requirements, remove the 2 small rubber plugs on bottom of housing.
15. Close door and tighten door screws.
16. 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.

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.