

Champ® LED Floodlight

FMV Series LED Fixtures

Installation & Maintenance Information

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

Champ® LED Floodlights are suitable for use in the following hazardous (classified) locations as defined by the National Electrical Code (NEC®):

- Class I, Division 2, Groups A, B, C, D

Refer to the floodlight nameplate for specific classification information, maximum ambient temperature suitability and corresponding operating temperature (T-Number).

Champ® LED Floodlights construction is designed for use indoors and outdoors in marine and wet locations, where moisture, dirt, corrosion, vibration and rough usage may be present.

Champ® LED Floodlights are supplied for use with a choice of voltages:	
<ul style="list-style-type: none"> • 100VAC - 277VAC, 50/60Hz, 108-150VDC • 347VAC 60Hz • 480VAC 60Hz 	
• NEMA 4X	• UL IP66

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.

WARNING
To avoid electric shock:
 Be certain electrical power is OFF before and during installation and maintenance.
 Floodlight must be supplied by a wiring system suitable for Class I, Division 2 per NEC with an equipment grounding conductor.
To avoid burning hands:
 Make sure lens and lamp are cool when performing maintenance.

WARNING
To avoid explosion:
 Make sure the supply voltage is the same as the floodlight 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 floodlight nameplate.
 Use only replacement parts from Cooper Crouse-Hinds.
 Use proper supply wiring as specified on the floodlight nameplate.
 All gasket seals must be clean.
 Before opening, electrical power to the floodlight must be turned off. Keep tightly closed when in operation.

INSTALLATION

Mounting

Yoke Mount - Wall Mount Using Floodlight Yoke Only

1. Using floodlight yoke as a template, mark and drill desired location on mounting surface.
2. Secure floodlight yoke to surface using ½" bolts or lag screws (not provided).

WIRING

Wiring the Floodlight

1. All components in the fixture are prewired so only line in, neutral, and ground need to be connected in the fixture to the lead wires (or terminals) per the wiring diagrams using methods that comply with all applicable codes. Terminate the equipment grounding conductor (green) first, the common (white) next, and finally, the line voltage (black) last. For DC voltage applications, connect the positive (+) lead to the white wire and the negative (-) lead to the black wire. Tighten all electrical connections.



Figure 1

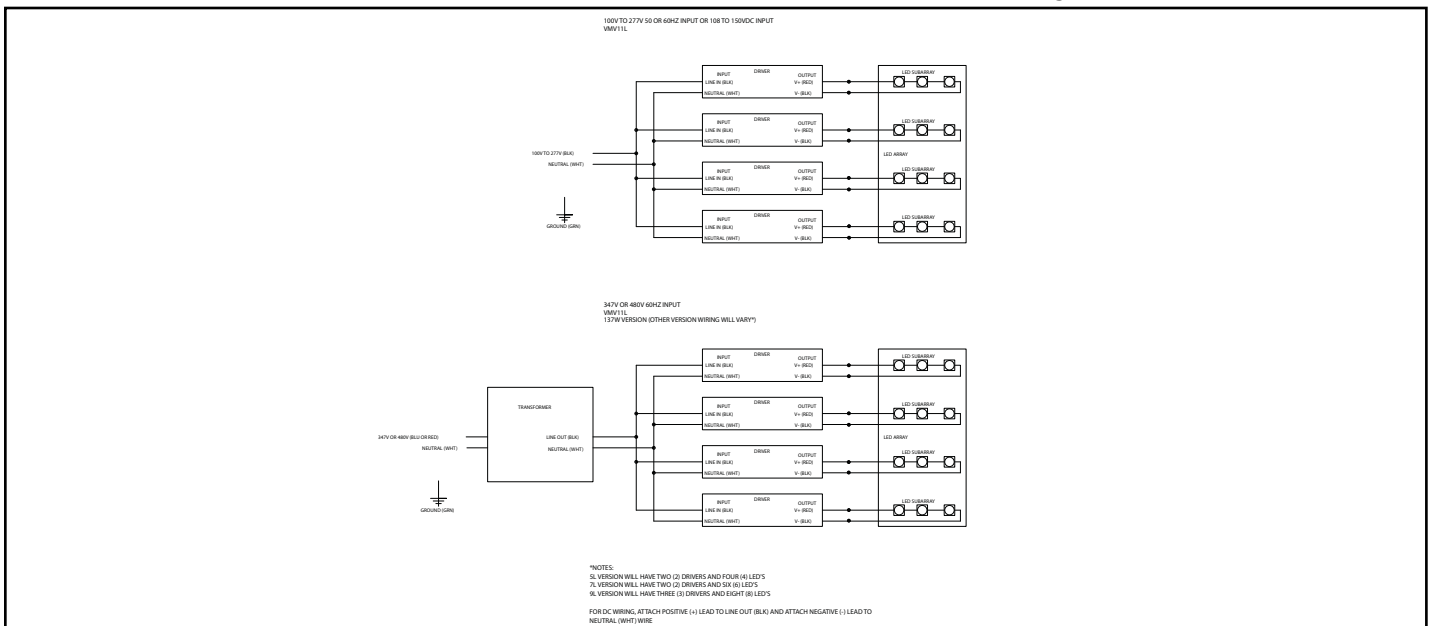


Figure 2 - Wiring Diagram

2. Re-install the back panel and tighten all eight (8) panel mounting screws to 80 in.-lbs.

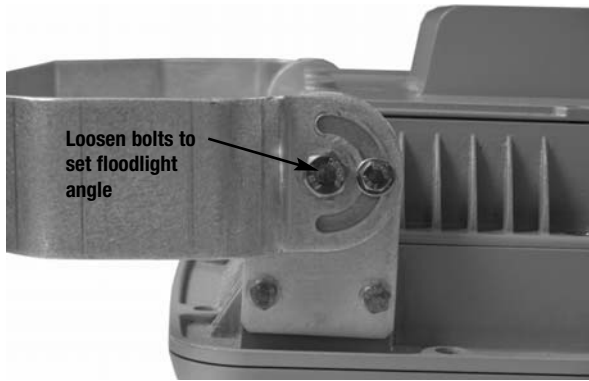


Figure 3

3. To make final vertical adjustment, loosen the pivot bolts on the floodlight yoke to position floodlight at the desired angle (limited to 60 degrees forward and 45 degrees back).



WARNING

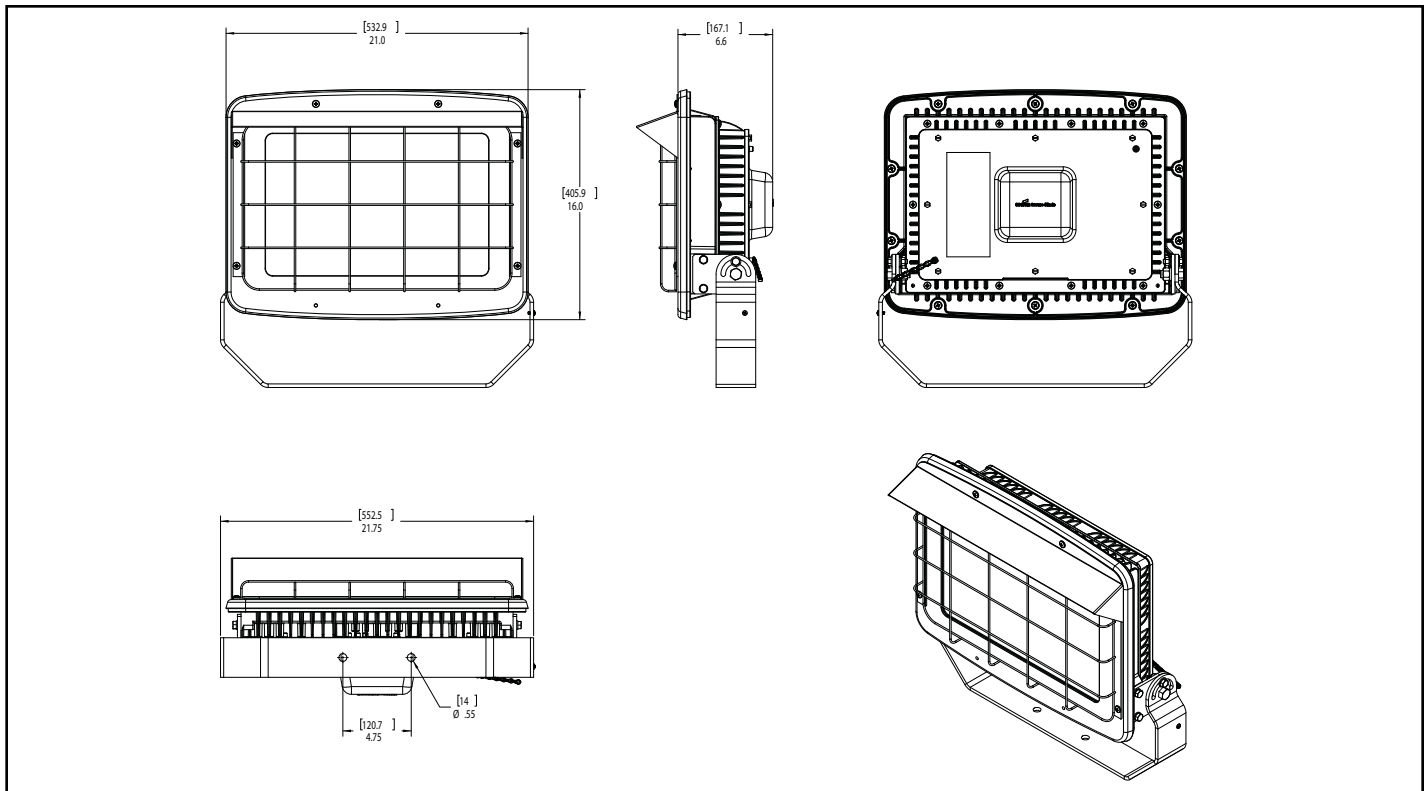
To avoid ignition of the hazardous atmospheres or overheating of the floodlight:

Do not position the floodlight beyond the aiming range limits.

Tighten the two pivot bolts to 45 ft.-lbs.

4. Rotate the floodlight housing to the desired position.
5. Turn power on.

DIMENSIONS



MAINTENANCE

- 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 70B: Recommended Practice for Electrical Equipment Maintenance (www.nfpa.org).
- 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.
- 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.
- Electrically check to make sure that all connections are clean and tight.
- Mechanically check that all parts are properly assembled.

REPLACEMENT PARTS

Cooper Crouse-Hinds Champ® LED Floodlights 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 or the Cooper Crouse-Hinds Sales Service Department, P.O. Box 4999, Syracuse, New York 13221, Phone 866-764-5454.

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.