Installation Instructions
Class I, Div. II 250 Watt Metal Halide Flood Light

Do not attempt operation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet. Read carefully before operating. Retain these instructions for future reference.

IMPORTANT

READ CAREFULLY BEFORE OPERATING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. IF UNSURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICAL PROFESSIONAL.

WARNING: OPERATE ONLY AT THE VOLTAGE LISTED ON THE PRODUCT. DO NOT OPERATE IN CLOSE PROXIMITY OF COMBUSTIBLE OR FLAMMABLE MATERIALS. NEVER LOOK DIRECTLY AT LIGHT WHEN ON.

WARNING: CONSULT A QUALIFIED ELECTRICAL PROFESSIONAL/ELECTRICIAN TO INSTALL THIS DEVICE IN ACCORDANCE WITH APPROPRIATE LOCAL AND NEC CODES AND REGULATIONS.

WARNING: TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.

WARNING: DEVICE IS SUITABLE FOR INSTALLATION IN IP65 LOCATIONS. IT IS NOT DESIGNED OR INTENDED TO BE SUBMERGED. DO NOT ALLOW LINE VOLTAGE WIRES TO BECOME SUBMERGED!

- ALL OUTDOOR INSTALLATIONS AND INDOOR INSTALLATIONS NEAR A WET LOCATION REQUIRE THE USE OF A GFCI DEVICE FOR SAFETY, ACCORDING TO THE NATIONAL ELECTRICAL CODE® (NEC).
- KEEP AWAY FROM FLAMMABLE OBJECTS. DO NOT POSITION WITHIN ONE (1) INCH OF ANY COMBUSTIBLE MATERIALS.
- IF DROPPED OR DAMAGED, THE UNIT MAY NO LONGER BE WATERPROOF AND SHOULD BE REPLACED.
- TO AVOID HAZARDS TO CHILDREN, ACCOUNT FOR ALL PARTS AND DESTROY PACKING MATERIALS.

INSTALLATION

This luminaire is designed for outdoor lighting service, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures. Best results if installed and maintained according to the following recommendations.

WARNING To reduce fire and shock hazard: Disconnect power before servicing; install and maintain to meet applicable codes; ensure fixture and wiring are properly grounded.

MOUNTING

Find a suitable location to mount the light on a surface that can structurally support the load. The trunnion bracket can be mounted directly on flat surfaces or building fronts. The trunnion bracket has a clearance hole for a ¾ inch bolt used for attachment for such mountings. The ½ inch holes on either side permit additional anchoring, where required. Tighten side trunnion bolts to 18-22 foot pounds.

WIRING

Turn off electricity to circuit at main fuse or at circuit breaker.

1. Run supply wire to fixture. Make watertight joint at threaded hub at back of fixture. The hu NPT.
   NOTE: For Class 1, Div. 2 locations, use rigid conduit.
2. Loosen captive screws (A). Swing door frame (C) away. See Figure 1.
3. Remove screws (H) and lift panel out of luminaire.
4. Make ground connection.
5. Connect black wire to supply line.
6. Connect white wire to common.
   CAUTION: Connections in steps 5 and 6 should b capped with insulated wire nuts (provided by others).
7. Replace panel (J) and screws (H). Securely tighten screws (H). See figure 2.
8. Install lamp.
9. Close door frame (C). Tighten screw (A).
10. Turn on electricity.

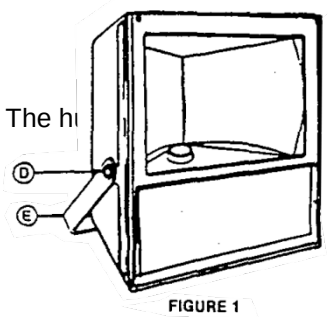


FIGURE 1

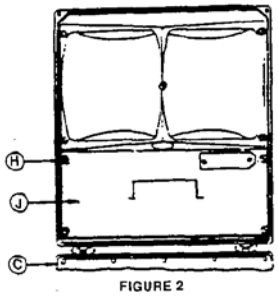


FIGURE 2

Warning: *Check product label for correct input voltage!*

Damage caused to the unit from improper voltage may not be covered by warranty.
Voltage options vary by model. This includes 120, 208, 240 or 277V AC. Check product label.

ADJUSTING

1. To adjust, loosen bolts (D) and aim the light to desired spot.
2. Tighten both bolts securely.

LAMPS

Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Lamp tightness- The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch pounds, which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load the center contact of the socket.

The operating temperature listed for this luminaire is based on the following bulb sizes. Use of other than these may result in a higher operating temperature and could result in a hazardous condition.

LAMP TYPE	WATTAGE	BULB SIZE
High Pressure Sodium	70, 100, 150	ED 23 1/2
High Pressure Sodium	250, 400	ED 18
Metal Halide/Mercury	175, 250	ED 28
Metal Halide/Mercury	400	ED 28

MAINTENANCE

CAUTION: Risk of Burn - To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended practice for Electrical Equipment.

WARRANTY

Should further information not covered by these instructions be required, please contact Larson Electronics at 1-800-369-6671 or sales@larsonelectronics.com for further assistance.

Please visit LarsonElectronics.com for **Warranty** and **Return** information.