EVP and EVPG Portable Floodlights are UL listed for use in Class I, Div. 1, Groups C, D; Class II, Div. 1 Group F (35 to 100 watt HPS and 70 watt MH). In addition, EVP Portable Floodlights are also UL listed for use in Class II, Div. 1, Group G and Class III. The T-rating of the fixture must not exceed the ignition temperature of the atmosphere in which it is to be operated. Refer to the fixture nameplate for specific classification information and appropriate operating temperature (T) rating.

EVP and EVPG Portable Floodlights are also UL listed as suitable for wet locations and UL listed as Marine type electrical fixtures, outside type (salt water). For Marine applications, installation must be in accordance with USCG 46CFR parts 110 thru 113.

EVP Series Portable Floodlights are available in High Pressure Sodium, in ratings of 35 to 150 watts and 70 watt Metal Halide. EVPG Series Portable Floodlights are available in High Pressure Sodium, in ratings of 35 to 100 watts and 70 watt Metal Halide. Input voltage is 120 V for all HPS. The 70 watt Metal Halide is available in 120, 277 or 347 V.

INSTALLATION OF PLUG

WARNING

Electrical power must be OFF before and during installation and maintenance.

EVP Series Portable Floodlights are factory wired with 100' of 16/3 type SOW cord.

A plug (not supplied) must be attached to the end of the cord by the user. The plug should be sized to accept 16/3 type SOW cord and be suitable for the classification of the area. The plug should have a minimum rating of 15 amps. Crouse-Hinds recommends a Crouse-Hinds ENP5151 plug in conjunction with an ENR5201 receptacle.

LAMP INSTALLATION

CAUTION

High Pressure Sodium and Metal Halide lamps should be replaced as soon as possible after lamp failure to prevent damage to the ballast.

* Shut off power to the fixture and allow sufficient time for the lamp to cool.

* To remove cover, place a bar between the lugs provided on the face of the cover and rotate counterclockwise. A rectangular steel bar 3/4" x 1/2" x 30" is ideal. See figure 1.

* Always replace lamp with the lamp size, wattage and type indicated on the fixture nameplate.

* Lubricate cover threads with Crouse-Hinds HTL high temperature lubricant or other similar lubricant. This will make the cover easier to unthread when relamping.

* Replace cover by placing over shell and rotating clockwise until the cover contacts the shell O-ring. Use the steel bar to rotate the cover another 1/12th to 1/10th of a turn.

AIMING INSTRUCTION (EVPG SERIES)

Mounting limitations on the EVPG Series will prevent excessive temperatures due to dust accumulation on the lens.

The 35 to 70 watt fixtures have a stop that limits the aiming angle to 30° above the horizon when mounted in the upright position. When mounted upside down no stop is required. (see figure 2)

STOP ADJUSTMENT

The stop can be adjusted as follows:

1. Remove machine screw on stop.
2. Loosen the hand knob.
3. Rotate the stop past the roll pin (100 watt fixture).
4. Insert the machine screw through repositioned stop.
5. Aim fixture and retighten hand knob.
CORD REPLACEMENT

The 100 ft supply cord and elbow is factory sealed. A replacement cord and elbow must be ordered from the factory. To replace cord, remove the cover, lamp and reflector. Disconnect the cord from the ballast and retainer that hold the elbow and cord in place. Turn elbow assembly counter clockwise to remove.

To replace, coat the threads and flange area of the new elbow and cord assembly with a lubricant such as petrolatum or soap thickened mineral oil. Check the entry hole to insure O-ring is seated in place. Insert the elbow and cord assembly and turn clockwise until tight. Unscrew the elbow until it is even with the harp. Attach clips and retainer to hold elbow and cord in place. If elbow prevents vertical aiming of the light, remove clips and retainer, unscrew the elbow one turn only and reattach the clips and retainer.

Connect the black and white leads to the ballast and the green lead to the ground screw in the shell. Reassemble the fixture. If desired, the cord may be trimmed to provide at least a 25 foot length off the back of the fixture.

MAINTENANCE

WARNING
Always disconnect power source before performing maintenance.

Perform visual, electrical and mechanical inspections on a regular basis. This should be determined by the environment and frequency of use, however, it is recommended that checks should 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. The reflector and cover glass should be cleaned periodically to insure continued lighting performance. To clean, wipe reflector, then the cover glass 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 to the reflector may result.

• Relamp High Pressure Sodium and Metal Halide fixtures as soon as possible after the lamp burns out to prevent damage to the ballast.

• 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.

• 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.