QBE-500 quartz lighting fixtures are designed for use in Class I, Division I, Groups B and D hazardous (classified) locations as defined by the National Electrical Code®. QBE-500 floodlights can be used indoors or outdoors, at petroleum refineries, oil and gasoline loading docks, power generation facilities, and other heavy industrial areas. The unit is also suited for lighting areas where hydrogen is used (Class I, Group B locations), such as process plants and missile launching sites.

QBE-500 series floodlights are for use with 500 watt T-3 tubular quartz lamps. The unit is available in two models:

Model No. 47903 — features a polished/narrow beam reflector (79° horizontal x 30° vertical).

Model No. 47904 — features an etched/wide beam reflector (93° horizontal x 87° vertical).

3. Remove the threaded access cover from mounting base.

NOTE: If it is necessary to remove floodlight from base, loosen set screw “A” and with the access cover removed, rotate floodlight until screw “B” is opposite access opening. (See Figure 2.) Back out screw “B” until rotation stops. (Do not remove screw “B”.) Unscrew threaded support from base. After field wires are in place, screw floodlight into base until flanges meet, then back off until screw “B” appears opposite access opening. Tighten screw “B” securely.

4. Pull field wiring leads into the base through access hole, making them long enough to connect to fixture leads.

5. Connect fixture leads to field wiring leads using methods that comply with NEC and any local codes.

6. Install the threaded access cover to the mounting base making sure that all wires are safely inside the base and positioned away from the threads. Tighten cover until flange contacts body face.

CAUTION

Use care to prevent dirt, grit or other foreign material from lodging on threads. If any such material settles on these threads, clean them with kerosene or Stoddard solvent®, then relubricate with Crouse-Hinds Type STL thread lubricant.

(®To avoid the possibilities of an explosion, oxidation and corrosion, do not use gasoline or similar solvents.)
LAMP INSTALLATION

WARNING
Primary power source must be OFF before opening fixture for inspection or lamp installation.

CAUTION
Follow handling instructions on lamp package to avoid premature lamp failure.

1. Loosen (do not remove) set screw "C" (shown in Figure 2), remove the threaded lens/door assembly from fixture and carefully set it aside for re-assembly later.

2. Position end of lamp on one contact of lampholder and hold contact depressed. Compress other with fingers and set other end of lamp on contact and release contacts. (Make sure lamp is properly seated on contacts of lampholder.)

One of the following 500 watt Tungsten-Halogen lamps may be used:

**LAMP CODE**

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<tr>
<td>CLEAR</td>
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<td>Q500T3/CL-120V</td>
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<td>Sylvania</td>
<td>500T3Q/CL/U-120V</td>
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<td>Philips</td>
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* Include voltage as 120V shown above, or 125V, or 130V as required.

3. Replace the lens/door assembly, thread tightly against housing and tighten set screw "C".

FIXTURE AIMING

QBE floodlights can be rotated 360° horizontally, elevated 90°, or depressed 45°. To adjust fixture, loosen set screw "A" (Figure 2) located on side of mounting base and set screw located on floodlight coupling. Aim fixture in the desired direction and retighten set screws.

MAINTENANCE

WARNING
Always disconnect primary power source before opening fixture for inspection or service.

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 be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B.

The lens should be cleaned periodically to insure continued lighting performance. To clean, wipe the lens with a clean, damp, soft 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.

- 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.