

Archon Industries, Inc.

Model EX-99 Explosion Proof Lighting Fixture

Installation/Operating/ Maintenance Instructions

1. Suitability

1.1 This fixture is suitable, when installed and operated in accordance with these instructions, for use in the following locations as defined by the National Electrical Code:

Class	Division	Groups
I	1	C and D
I	2	C and D

1.2 This fixture is rated for Temperature Code **T4A** for maximum ambient temperature of **40 degrees C.**

2. Installation

- 2.1 Install and use in accordance with all applicable electrical and fire safety codes.
- 2.2 Ensure electrical service leads are properly protected against mechanical damage.
- 2.3 **CAUTION:** To reduce the risk of fire or explosion, do not install where the marked operating temperature exceeds the ignition temperature of the hazardous atmosphere.
- 2.4 **CAUTION:** Mount this fixture at any angle between the glass lens facing down and the glass lens facing horizontally. Do not mount this fixture with the lens facing at any angle above the horizontal. See figure 1.

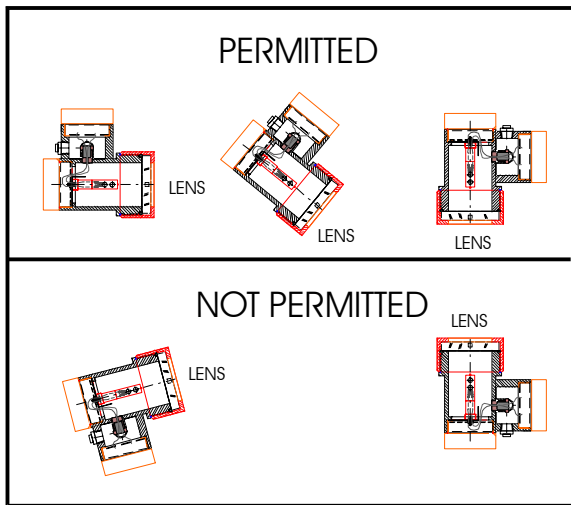


Figure 1

Instruction No. 1015

- 2.5 **CAUTION:** Use only Halogen incandescent lamp type, model number 100Q/CL/DC ESR with this fixture.
- 2.6 **CAUTION:** Use wires rated for at least 110 degrees C. for supply connections.

3. Operation

- 3.1 **CAUTION:** To reduce the risk of ignition of hazardous atmospheres, disconnect the fixture from the electrical supply circuit before opening any of the covers.
- 3.2 Do not energize the fixture if the glass lens is cracked or broken, or if the lens cover is not screwed on tightly.
- 3.3 Ensure that the lens is securely held in the fixture before energizing the electrical supply circuit. The lens should not be free to move when properly installed. Screwing on the lens cover fully over the lens onto the fixture body will properly secure the lens so that the lens is not free to move in the cover.
- 3.4 Ensure that all covers are tightly closed when the fixture is in operation.

4. Lamp Removal and Installation

- 4.1 Use only the specified replacement lamp.
- 4.2 Do not replace lamp from the lens side by removing the lens cover.
- 4.3 Replace the lamp only from the anti-lens side by removing the screw-in cover from the fixture body to expose the bulb receptacle mounting plate.
- 4.4 Feed the slack in the wire leads through the mounting plate holes into the lamp compartment.
- 4.5 Extract the mounting plate, with the receptacle and the lamp, from within the fixture body by pulling back and then rotating the mounting plate to expose the lamp. Do not pull the wire leads.
- 4.6 Note the lamp is a spring-loaded bayonet style mount. Remove the lamp from the receptacle by rotating the lamp while gently pushing the lamp into the receptacle in order to free the lamp.
- 4.7 Follow the instructions provided with the replacement lamp when installing. Do not directly contact the lamp glass envelope with fingers. Use a barrier such as clean cloth or paper when handling the lamp. Contaminants such as body oils can result in premature bulb failure.

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