



EV Series Incandescent Lighting Fixtures

IF121

Installation & Maintenance Information

EV Series incandescent lighting fixtures are designed for use in locations made hazardous due to the pressure of hydrogen, or gases or vapors of equivalent hazard, such as manufactured gas.

EV Series incandescent lighting fixtures are suitable for use in Class I, Groups A, B, C and D hazardous (classified) areas as defined by the National Electrical Code® (NEC). Certain EV fixtures are limited to specific classes when used in conjunction with some lamp sizes. Refer to Important Notice information following for these limitations.

IMPORTANT NOTICE Mounting Limitations

- All fixtures are for vertical, lamp base up, mounting only.
- For Group C locations only, 150 or 200 watt EVA (pendant mount) fixtures with 30° angle reflectors are limited to 150 watt, A-21 lamps.
- 500 watt, PS-40 EVA (pendant mount) fixtures are approved for Class I, Groups B, C and D areas only.
- 300 watt, PS-30 EVCX (ceiling mount) and EVBX (bracket mount) fixtures are approved for Class I, Groups B, C and D areas only.

INSTALLATION

WARNING

Be sure all electrical power is turned OFF before and during installation or maintenance.

1. Loosen large thumbscrew and unthread globe holder assembly from pendant hood (EVA), ceiling (EVCX) or wall (EBX) bracket.
2. Remove lampholder assembly by loosening mounting screws.
3. Attach pendant hood, ceiling, or wall bracket into conduit stem or fixture fitting. Lock pendant hood in place with set screw provided in conduit hub collar.

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4. Pull supply wires making sure that they are long enough to make the required connections. Refer to fixture nameplate for proper temperature wire to be used.

WARNING

Do not use fixture on ungrounded circuits.

5. Connect wires to lampholder assembly then replace lampholder assembly into hood. Make certain that wires are inside hood assembly and that lampholder serrations are aligned with hood serrations. Make sure that mating surfaces are clean before re-assembly. Tighten screws evenly to ensure that there is equal pressure on all sides of the serrated joint.

6. Install lamp as specified on fixture nameplate.

CAUTION

Do not exceed lamp size or wattage specified on fixture nameplate.

7. Replace globe holder assembly and tighten thumb screw securely.
8. Installation is complete and fixture power source may be turned on.

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. The globe and reflector should be cleaned periodically to insure continued lighting performance. To clean, wipe the reflector, then the globe 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. Damage to the reflector may result.

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.



**CROUSE-HINDS
ELECTRICAL
CONSTRUCTION
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