



KILLARK®

INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

“EMH, EMS & EMM SERIES HID
FACTORY-SEALED LIGHTING FIXTURE
READ THIS SHEET CAREFULLY BEFORE BEGINNING
INSTALLATION.



“EMH, EMS & EMM” SERIES HID FACTORY-SEALED LIGHTING FIXTURE

CAUTION:

Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.

Make sure that the circuit is de-energized before starting installation or maintenance.

Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

IMPORTANT:

- 1) See fixture nameplate for specific hazardous location suitability and specific supply wire (minimum temperature rating).
- 2) Verify the ground continuity in the electrical system.
- 3) Do not operate this fixture if the ambient temperature exceeds the rating shown on the nameplate.

Technical information, advice and recommendations contained in these documents is based upon information that Killark believes to be reliable. All the information and advice contained in these documents is intended for use only by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used, its storage, delivery, installation, check out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custody and control of Killark, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.

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3940 Dr. Martin Luther King Drive
St. Louis, MO 63113

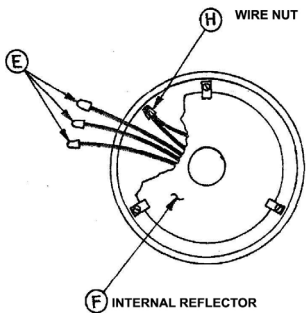
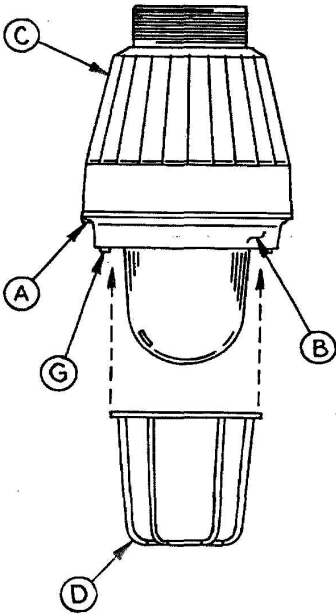
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WARNING: Turn OFF the supplying circuit before beginning installation or performing any maintenance including relamping.

WARNING: Do not operate this fixture on an ungrounded system.

NOTE: All installations must comply with applicable local and/or National Electrical Code, or United States Coast Guard (CFR46), Section (110-113) for Marine installation.



1. DIRECTIONS FOR INSTALLATION

1. Install fixture's mounting accessory per instructions supplied with the mount.
2. Loosen the locking screw (A).
3. Unscrew and remove globe support assembly (B) from fixture tank (C).
CAUTION: During installation or maintenance, care should be taken to avoid scratching, nicking or chipping the glass globe.
4. Verify that supply line voltage and fixture nameplate voltage are compatible. If more than one voltage is listed on nameplate, fixture contains a multi-tap ballast and is prewired for 277V.; if required voltage is other than 277, See Steps 5, 6 & 7.
5. Disconnect the 277V. line by removing the wire nut (H).
6. There are three capped wires with marked voltages (120, 208 & 240V.). Select the proper wire, cut off the crimped terminal (E), strip the lead and connect to the "LINE" lead using the wire nut (H).
NOTE: Upon completion of Step 6, tuck all the capped leads under the internal reflector (F).
7. Recap the 277V. lead, using an approved wire nut or equivalent cap.
8. Make sure the external threads at the top of the fixture tank are free of any dirt, metal chips or other foreign materials. Apply a thin coat of Killark "LUBT" lubricant to the threads.
NOTE: Take extreme care not to cross-thread the fixture when installing into mounting accessory. Install fixture by threading into the mounting accessory; the electrical contacts will automatically engage. Be sure the fixture is tight (the O- ring gasket is in full contact).
9. Tighten the set screw on the side of the mounting accessory. Referring to the fixture nameplate, install the proper size and type of lamp.
10. Make sure the globe support threads are clean. To prevent galling of threads, apply a thin coating of Killark "LUBT" lubricant to the male threads. Thread the globe support assembly into the fixture tank and turn until there is no gap between the flanges (the O-ring gasket is in full contact.).

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NOTE: Join or “lap” marks may form during the pouring of molten glass in the globe manufacturing process. It is not unusual for these marks to become visible. This is a common and normal occurrence for large explosion proof globes and does not affect performance.

Tighten the locking screw (A). To install optional guard (D) (EMG2), loosen the (4) screws (G), slip the guard over the screws & rotate it to the locked position. Tighten the screws firmly.

2. OPERATIONAL DATA

Operate this fixture only at the voltage of your specific supply circuit.

3. MAINTENANCE DATA

NOTE - Most HID lamps need 4 to 5 minutes to reach full lighting output. A power failure or a large voltage drop will extinguish the arc. The lamp will restrike after cooling for approximately 5 to 12 minutes (30 to 90 seconds for High Pressure Sodium). With the Instant Restart feature, the lamp will restrike within several seconds.

CAUTION - Turn **OFF** the supplying circuit before opening fixture for relamping. To relamp, loosen the locking screw and remove the globe support assembly. **NOTE:** The globe support assembly disengages after approximately 3 turns. Replace the lamp with one of the correct size and type. Refer to the fixture nameplate for this information. When relamping, be careful not to damage the threaded areas of the fixture, as they maintain the fixture’s explosion-proof properties. Clean the threads and apply a thin coating of Killark “LUBT” lubricant before reassembling.

CLEANING: To maintain maximum light output, the fixture should be cleaned periodically. Maintenance procedures sometimes require fixtures to be hosed down for good housekeeping.

NOTE: The supply circuit must be turned **OFF** and the fixture globe must be allowed to cool to the ambient room temperature before cleaning. Only mild, non- abrasive cleaning agents should be used. These periodic cleaning procedures are important to prevent the accumulation of dust and dirt which will impair the light output of the fixture. The glass globe should be regularly inspected for scratches and chips and, if damaged, the entire globe support assembly must be replaced. See 2 & 3 on Installation.

**REMEMBER TO SAVE ONE OF THESE SHEETS FOR MAINTENANCE PERSONNEL,
MAINTENANCE MANAGER**

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