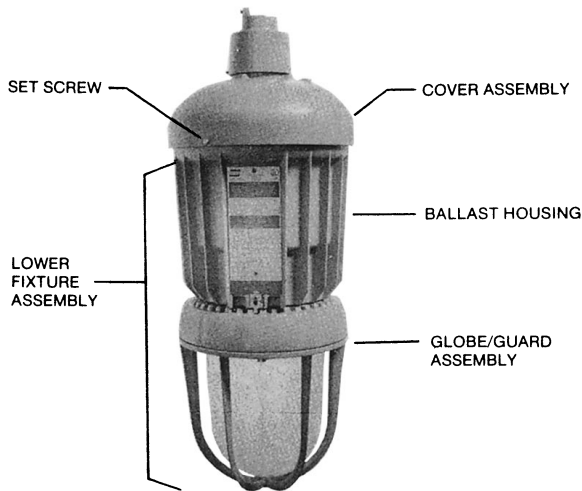




Hazard•Gard® HID Lighting Fixture EVM-M8 Series* Ballast Replacement Kit

IF996

Installation and Maintenance Information



*Refer to Installation Information IF446 for Ballast Replacement in Hazard•Gard fixtures manufactured prior to 1/84.

WARNING

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

1. Loosen set screw located at bottom edge of cover assembly, then unscrew and remove lower fixture assembly (ballast housing and globe/guard assembly).
2. Remove the four #10-24 screws that secure the component subassembly mounting plate to the ballast housing.
3. Lift component subassembly mounting plate out of ballast housing.
4. Disconnect all wire connections and discard component subassembly mounting plate.
5. Remove the four 5/16 in. diameter hexhead bolts, lock washers and ballast mounting plate. Remove defective ballast and discard.
6. Position new ballast in ballast housing with wires located towards nameplate side of housing.

CAUTION

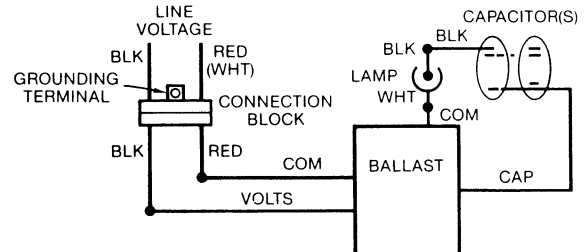
Place the lampholder wires in trough beneath the ballast.

7. Secure ballast in position with replacement ballast mounting plate, four 5/16 in. diameter hexhead bolts and lockwashers.
8. Place new component subassembly mounting plate into ballast housing with ballast and lampholder wires extending through notch in component subassembly mounting plate. Secure with four #10-24 screws supplied with kit.
9. Reconnect wires from ballast, lampholder and component subassembly following the wiring diagram for your fixture. Refer to Wiring Diagrams Section.
10. Rethread ballast housing and globe/guard assembly onto cover assembly and secure with set screw.

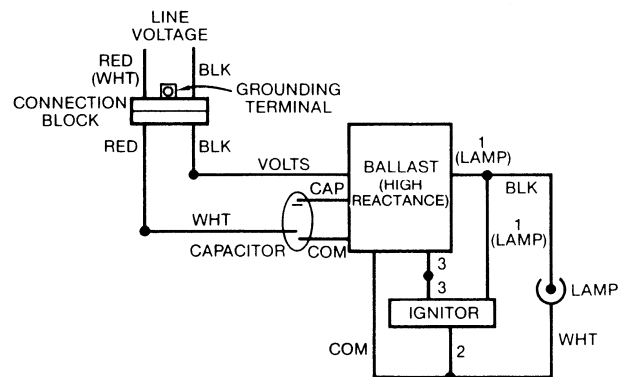
Wiring Diagrams

Mercury Vapor (MV) — 75, 100, 175, 250 and 400 watts
— all voltages

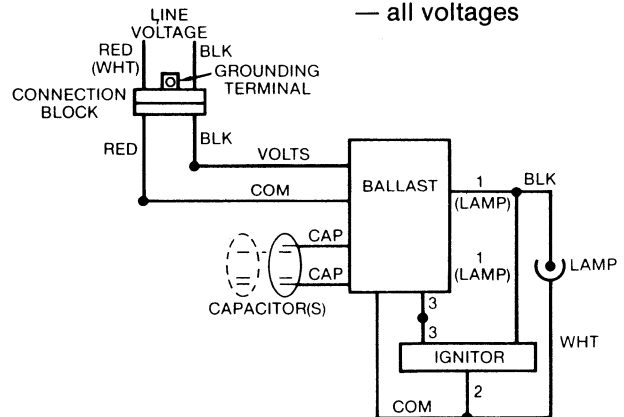
Metal Halide (MH) — 175, 250 and 400 watts
— all voltages



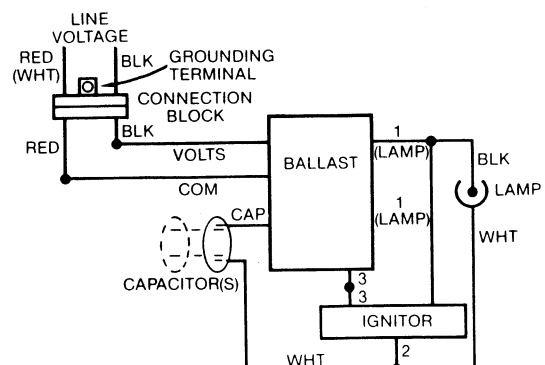
High Pressure Sodium (HPS) — 50, 70, 100 and 150 watts
208, 240, 277, 480 volts



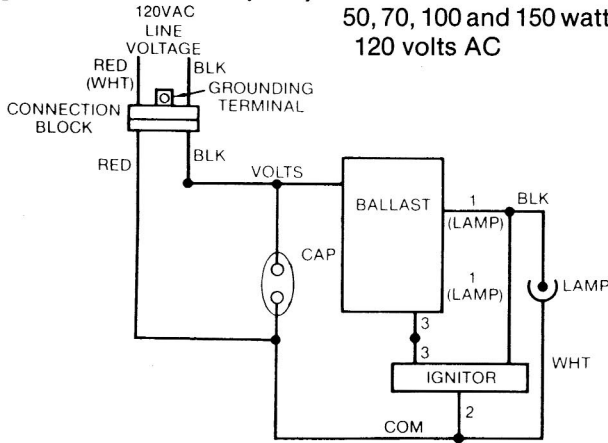
High Pressure Sodium (HPS) — 200, 250 and 310 watts
— all voltages



High Pressure Sodium (HPS) — 400 watts
— all voltages



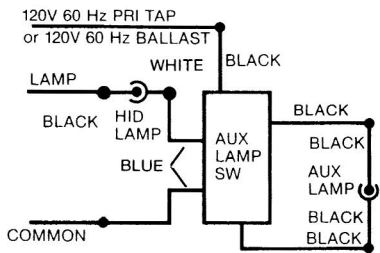
High Pressure Sodium (HPS) — Reactor Ballast
50, 70, 100 and 150 watts
120 volts AC



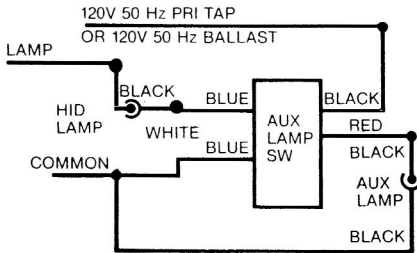
Auxiliary Lighting Option
(Catalog Suffix QTZ)

Mercury Vapor and Metal Halide

WIRING DIAGRAM AS SHIPPED (60 Hz)

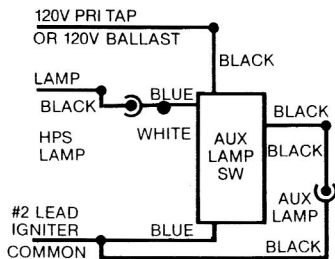


WIRING DIAGRAM AS SHIPPED (50 Hz)



High Pressure Sodium (HPS)

WIRING DIAGRAM AS SHIPPED

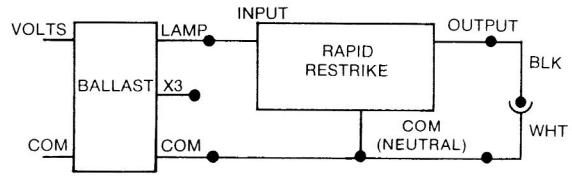


100 watt maximum in fixture with suffix QTZ (quartz)

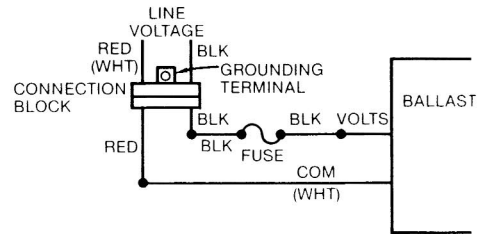
100 watt — 100 Q/CL/DC, Q100 CL/DC, Q100 DC
Sylvania or equivalent

Rapid Restrike Option
50, 70, 100 and 150 Watt HPS Only
(Catalog Suffix IR)

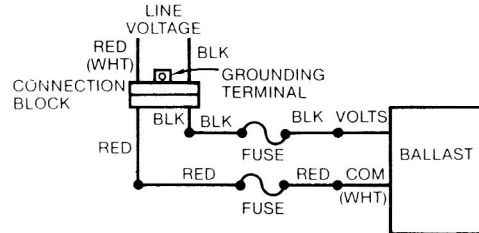
WIRING DIAGRAM AS SHIPPED



Fuse Option
(Catalog Suffix S658)



120/277V SINGLE FUSE



208, 240, 480V DOUBLE FUSE

MAINTENANCE

WARNING

Always disconnect primary power source before opening fixture for inspection or service. Allow globe and lamp to cool before handling.

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. The globe and reflector should be cleaned periodically to insure optimum 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 since damage to the reflector may result.

- Relamp high pressure sodium 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.



**CROUSE-HINDS
ELECTRICAL
CONSTRUCTION
MATERIALS**

Division of Cooper Industries, Inc. • Syracuse, New York 13221 • U.S.A.

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IF996 7/87
Supersedes 11/85 Issue