

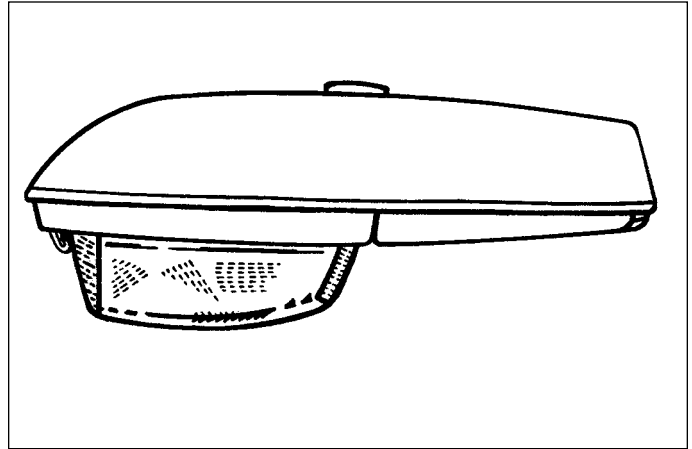


GUIDE FORM SPECIFICATIONS

M-250A2 POWR/DOOR® LUMINAIRE

GENERAL DESCRIPTION

The complete luminaire designated _____ (identify) shall be a GE M-250A2 POWR/DOOR® roadway luminaire, ordering number _____ (specify M2AR, plus ordering number logic from catalog) or approved equal, to operate one _____ (specify [50, 70, 100, 150(55V), 200 or 250] watt high pressure sodium [HPS], or [100, 175 or 250] watt mercury) lamp from a nominal _____ (specify 120, 208, 220, 240, 277, 347 or 480) volt, 60 Hz or (220, 230 or 240) volt, 50 Hz) power source and shall be capable of starting and operating the specified lamp within the limits specified by the lamp manufacturer. The luminaire shall contain a completely prewired integral ballast and an optical assembly that shall provide an IES Distribution Type _____ (specify according to photometric selection table). Labeling shall be in accordance with ANSI standards. Some units may be UL/cUL Certified. Con-tact factory. There shall be an option for UL listing for selected units. Standard construction is IP55.



OPTICAL ASSEMBLY

The optical assembly shall contain a precision-formed aluminum reflector with a chemically-bonded lightweight non-breakable ALGLAS® finish on both the inside and outside surfaces providing corrosion resistance, durability, and ease of cleaning; and a _____ specify acrylic, polycarbonate resin, or heat/impact-resistant glass prismatic refractor with gasketing between the reflector and the refractor. (For lamps of 250 use glass refractor only.)

The optical assembly shall have a _____ specify non-wicking felt gasket which acts as filter by excluding particulate contamination when the luminaire is closed, or _____ specify an elastomer gasket, around the edge of the reflector with an activated charcoal filter to permit passage of air and therefore allow for breathing of the luminaire during normal off-on heating and cooling cycles, filtering out gaseous contaminants such as hydrocarbons.

The optical assembly shall contain an adjustable E39 mogul base socket with superior lamp gripping. The socket shall have added insulation, giving it the ability to handle the higher pulse ratings of newer HID systems.

* REFER TO PRODUCT PAGE FOR BALLAST SELECTIONS. FOR MORE DEFINITIVE INFORMATION, REFER TO BALLAST SPECIFICATIONS IN TECHNICAL DATA SECTION.

MECHANICAL CONSTRUCTION

The luminaire shall include a precision die-cast aluminum top housing, optical door with refractor and hinged and removable powr/module door. Housing and doors shall have an electro-coat gray paint finish. The internal slipfitter in the top housing shall contain two bolts which do not pass through the housing but tighten from below with powr/module door in dropped position. The one-piece pipe clamp in top housing shall be capable of adapting to 1 1/4 - through 2-inch (42 through 60 mm) pipe without rearrangement of clamp or bolts, and shall be adjustable ±4° from horizontal without rearrangement of clamp or bolts. There shall be an optional prewired no-tool photoelectric control receptacle.

There shall be a polymer bird guard, shipped installed, and an external quick-release stainless steel bail latch on the optical door requiring no tools and operable with lineman's gloves.

BALLAST OPERATION

There shall be a Powr/Module ballast assembly with all ballast components mounted on the die-cast powr/module door and easily removable and replaceable through the use of quick disconnect plugs. The ballast shall be prewired to the lamp socket and dead-back terminal board, requiring connection of power supply leads to the terminal board only. The plug-in ignitor for HPS lamps shall be removable without the use of tools.

The luminaire shall contain a standard _____ (specify) type ballast* in full compliance with lamp-ballast specifications available to the fixture manufacturer from the lamp manufacturers at the time of fixture manufacture.

The ballast shall reliably start and operate the lamp in ambient temperatures down to -20°F for mercury or -40°F for HPS.

The luminaire and ballast shall be from the same manufacturer.



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