

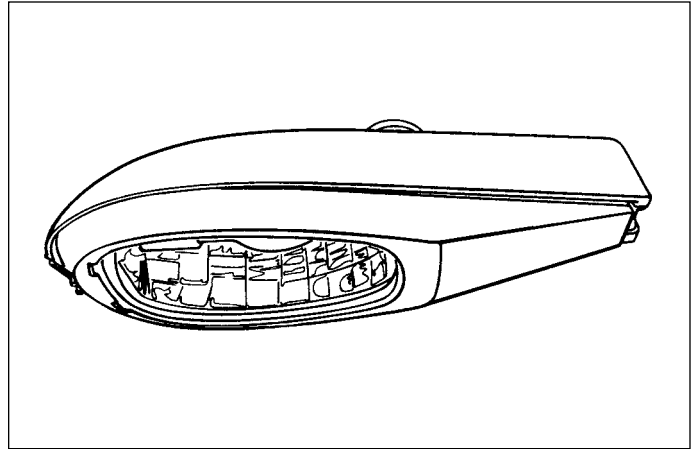


GUIDE FORM SPECIFICATIONS

M-250R2 LUMINAIRE WITH CUTOFF OPTICS

GENERAL DESCRIPTION

The complete luminaire designated _____ (identify) shall be a GE M-250R2 WITH CUTOFF OPTICS roadway luminaire, ordering number _____ (specify M2RC, 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, 230, 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. Standard construction is IP55.



MECHANICAL CONSTRUCTION

The luminaire shall include a precision die-cast aluminum upper and lower housing with an electrocoat gray paint finish. Lower housing shall be hinged and separable and shall hold the lens in place. The internal slipfitter shall contain two bolts which do not pass through the housing but tighten from below with lower housing in dropped position. The one-piece serrated pipe clamp 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 allow positive leveling $\pm 4^\circ$ from horizontal in 2° increments using stair step notches. 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 requiring no tools and operable with lineman's gloves.

BALLAST OPERATION

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 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 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.

OPTICAL ASSEMBLY

The cutoff optical assembly shall include 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 heat/impact-resistant tempered flat glass lens or acrylic, glass or polycarbonate resin clear globe (for lamps over 150-watt, use glass lens only). The cutoff optical assembly shall allow no light above 90° with use of flat glass lens (true 90° full cutoff characteristics).

The cutoff 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.



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