GE
Lighting Solutions

GUIDE FORM SPECIFICATIONS

LOWMOUNT ® 400 LUMINAIRE

LOW BAY ENCLOSED

GENERAL DESCRIPTION

The complete luminaire designated _____ (identify) shall be a GE LOWMOUNT® 400 luminaire, ordering number _____ (specify L4MD or L4MU, plus ordering number logic from catalog) or approved equal, to operate one _____ (specify [250 or 400] watt high pressure sodium [HPS], [250 or 400] watt metal halide, [250 or 400] watt pulse start metal halide or 400 watt mercury) lamp from a nominal _____ (specify 120, 208, 220, 240, 277, 347 or 480) volt 60 Hz or (220, 230, 240 or 380) volt 50 Hz power source. The luminaire shall include a completely prewired integral ballast and an optical assembly with _____ (specify 1.5, 1.7 or 1.9 according to photometric selection table) IES Spacing Criterion (SC). The luminaire shall be suitable for continuous service indoors in an ambient temperature of _____ (specify 55° or 40°C). The luminaire shall be UL Listed SUITABLE FOR DAMP LOCATIONS and C-UL (Canadian) Listed for Indoor Locations. Standard construction is IP52. Units with W (Wet Location) option are IP54.

MECHANICAL CONSTRUCTION

For ease of installation and to facilitate maintenance and replacement, the luminaire shall be supplied as components — ballast and optical.

The ballast housing and optical assembly shall be provided with easy-to-read moisture-resistant nameplates which may be read without disturbing the installed luminaire. All ballast housings and optical assemblies shall include provisions for optional field mounting of safety chains.

The ballast housing shall include an activated charcoal filter capable of filtering gaseous and particulate matter. The filter shall be constructed to permit free passage of air allowing the luminaire to breather during normal off-on heating and cooling cycles and therefore eliminating unnecessary stress from the gasketing.

The ballast housing, including mounting hub, shall be made of die-cast aluminum. The ballast housing shall have an electrocoat gray paint finish.

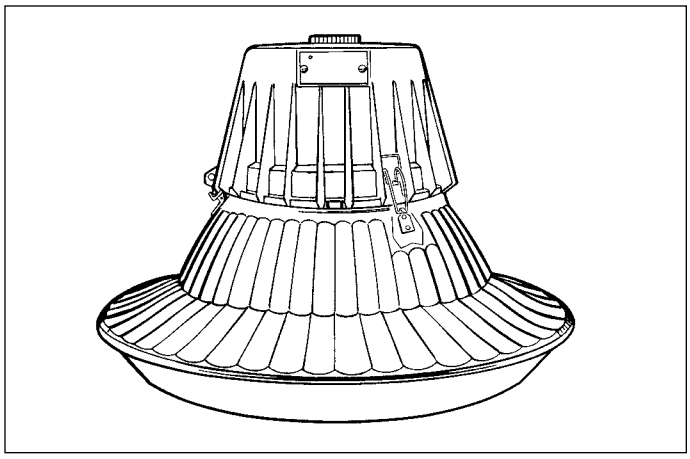
To facilitate mounting, the luminaire shall have separate lightweight mounting components that can be easily removed from the ballast housing and assembled to the structural or mounting hardware prior to mounting of the remainder of the luminaire. The mounting device must provide a positive vibration-resistant locking means including a set screw.

The wiring access cover plate and all screws requiring removal during normal conduit mounting and/or wiring shall be captive.

BALLAST OPERATION

The luminaire shall contain a standard _____ (specify Mag-Reg or Autoreg) 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 and metal halide or -40°F for HPS.

The luminaire and ballast shall be from the same manufacturer.

OPTICAL ASSEMBLY

Mounting of the optical assembly to the ballast assembly must be secured by positive vibration-resistant means. The optical assembly shall be hinged and latched for easy lamp access, and shall be removable from the ballast housing without tools. The refractor shall be _____ (specify UV stabilized injection molded prismatic heat-resistant acrylic or LEXAN® polycarbonate resin) for low brightness.

The optical assembly shall be enclosed with a continuous gasket.

The luminaire shall provide dispersed uplight.

The reflector shall be faceted to provide precise light control for all high intensity discharge (HID) light sources. It shall have an Alzak® finish on reflector surfaces.

L4MD

The optical and ballast assemblies must include a positive aligning electrical sliding disconnect allowing the socket to be shipped factory assembled in the optical assembly. The disconnect must have no exposed live metal parts.

The optical assembly shall contain a mogul base socket with superior lamp gripping. The socket shall have the ability to handle the higher pulse ratings of newer HID systems. The socket shall be mounted base down for lower fixture brightness and reduced glare at low mounting heights.

L4MU

The optical assembly shall contain a mogul base socket with superior lamp gripping. The socket shall have the ability to handle the higher pulse ratings of newer HID systems. The socket shall be mounted base up.

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

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