



# GUIDE FORM SPECIFICATIONS

## LOWMOUNT® 150 LUMINAIRE

### LOW BAY ENCLOSED

#### GENERAL DESCRIPTION

The complete luminaire designated \_\_\_\_\_ (identify) shall be a GE LOWMOUNT® 150 luminaire, ordering number \_\_\_\_\_ (specify L1M, plus ordering number logic from catalog) or approved equal to operate one \_\_\_\_\_ (specify [70, 100, 150 (55V) or 250] watt high pressure sodium [HPS] or [175 or 250] watt metal halide or [175 or 250] watt mercury) lamp from a nominal \_\_\_\_\_ (specify 120, 208, 240, 277, 347 or 480) volt 60 Hz or (220, 230, or 240) volt 50 Hz power source. The luminaire shall include a completely wired integral ballast and an optical assembly with \_\_\_\_\_ (specify 1.5 or 1.7 according to photometric selection table) IES Spacing Criterion (SC). The luminaire shall be suitable for continuous service indoors in a maximum ambient temperature of \_\_\_\_\_ (specify 40°C or 55°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 an easy-to-read moisture-proof nameplate that can be read without disturbing the installed luminaire. All ballasts and optical assemblies shall include provision for optional field mounting of safety chains.

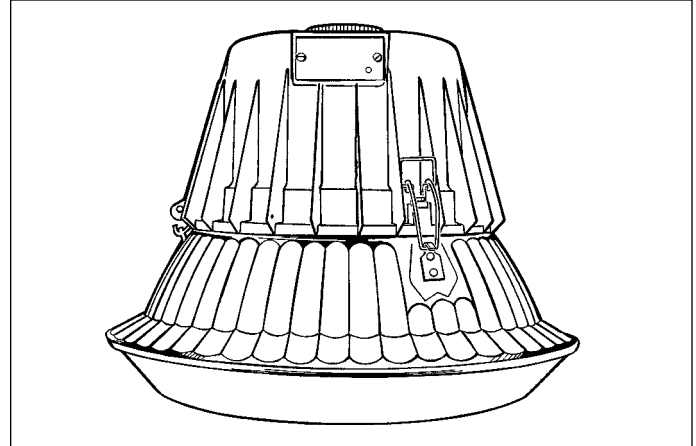
The ballast assembly shall include an activated charcoal filter capable of filtering gaseous and particulate matter. The filter shall be constructed to permit free passage of air, allowing the luminaire to breathe during normal off-on heating and cooling cycles and therefore eliminating unnecessary stress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

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

A heavy duty mogul base socket with superior lamp gripping shall be mounted to the ballast housing. The socket shall have the ability to handle the higher pulse ratings of newer HID systems.

To facilitate mounting, the luminaire shall have separate light-weight 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 devices 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 or 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 enclosed, gasketed and hinged for easy lamp access, and shall be removable from the ballast housing without tools.

The optical assembly shall be enclosed with a continuous gasket.

The refractor shall be \_\_\_\_\_ (specify UV stabilized injection molded prismatic heat-resistant special heavy-duty acrylic [for use with metal halide lamps] or polycarbonate resin) for low brightness.

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

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



GE Lighting Solutions • 1-888-MY-GE-LED • [www.gelightsolutions.com](http://www.gelightsolutions.com)  
1-888-69-43-533

GE Lighting Solutions is a subsidiary of the General Electric Company. Evolve and other trademarks belong to GE Lighting Solutions. The GE brand and logo are trademarks of the General Electric Company. © 2011 GE Lighting Solutions. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.