

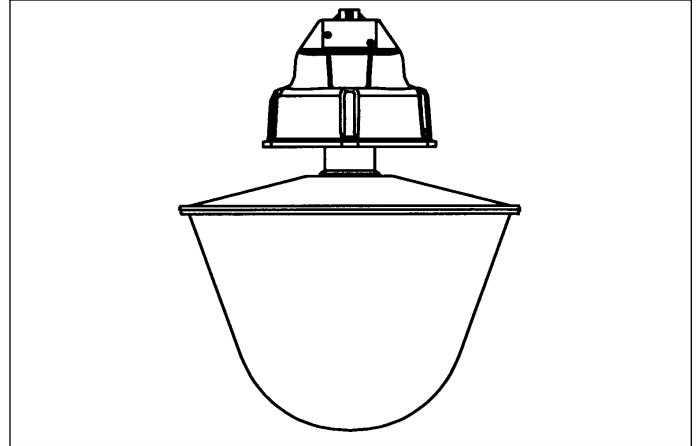


GUIDE FORM SPECIFICATIONS

VERSABEAM™ LUMINAIRE WITH OPTICAL SLIDING DISCONNECT AND CHARCOAL FILTER HIGH BAY OR LOW BAY ENCLOSED

GENERAL DESCRIPTION

The complete luminaire designated _____ (identify) shall be a GE VERSABEAM™ luminaire with Optical Sliding Disconnect and Charcoal Filter, ordering number _____ (specify VS5, plus ordering number logic from catalog) or approved equal, to operate one _____ (specify [200,250 or 400] watt high pressure sodium [HPS], [175, 250 or 400] watt metal halide or [250, 320, 350 or 400] watt pulse start metal halide) 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 optical assembly. The luminaire shall be suitable for continuous service indoors in a maximum ambient temperature of _____ (specify 55°C "400 watts max" or 65°C "250 watts max"). The luminaire shall be UL Listed SUITABLE FOR DAMP LOCATIONS, UL Listed for metal halide lamps in polymer lamp containment barriers 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 can be seen without disturbing the installed luminaire. All ballast and optical assemblies shall include provisions for optional field mounting of safety chains.

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

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 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.

The Ballast housing shall incorporate GELS EZ Connect™ plug-in wiring harness that provides for easier wiring installation and quick replacement.

EZ Connect™ plug-in wiring harness shall enable the use of a *GELS Critique™ plug-in diagnostic test device.

BALLAST OPERATION

The luminaire shall contain a standard _____ (specify Mag-Reg [for HPS lamps] or Autoreg [for metal halide and mercury lamps]) 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 and ballast assemblies must include a positive aligning electrical sliding disconnect between optical and ballast components. The disconnect must have no exposed live metal parts.

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

The optical assembly shall be enclosed with a continuous gasket and 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 filter assembly shall be factory installed, and shall be located to prevent accidental dislodgment when luminaire is installed.

The optical assembly shall have a patented acrylic refractor with reflecting and refracting prisms that provide 70% output from 0° to 60° from nadir, 60% output from 15° to 50° from nadir. The optical assembly shall be hinged and latched with captive vibration-resistant stainless steel spring latches.

The reflector material shall be formed aluminum, with a chemically bonded lightweight non-breakable glass ALGLAS® finish on both inside and outside surfaces providing corrosion resistance, durability and easy cleaning.

* REFER TO PRODUCT PAGE IN GELS PRODUCT CATALOG FOR OTHER BALLAST SELECTIONS AND CRITIQUE™ DIAGNOSTIC TEST DEVICE CAPABILITY. FOR MORE DEFINITIVE ELECTRICAL INFORMATION, REFER TO BALLAST SPECIFICATIONS IN TECHNICAL DATA SECTION.



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