



GUIDE FORM SPECIFICATIONS

POWR•SPOT® III FLOODLIGHT WITH GLARE REDUCTION

GENERAL DESCRIPTION

The NEMA ____ (specify heavy-duty or general-purpose) weather-resistant floodlight designated ____ (identify) GE POWR•SPOT® III floodlight, ordering number ____ (specify PSGC, PSGN or PSGV, plus ordering number logic from catalog) or approved equal, for operation of one ____ (specify [400 or 750] watt high pressure sodium [HPS] or [400, 1000, 1500] watt metal halide) lamp from a nominal ____ (specify 120, 208, 220, 240, 277, 347 or 480 volt, 60 Hz or 220 or 240 volt, 50 Hz) power source and shall be capable of starting and operating the specified lamp within the limits indicated by the lamp manufacturer. The floodlight shall contain a completely prewired integral ballast and optical assembly with ____ (specify according to photometric selection table) NEMA type beam spread (horizontal X vertical). The floodlight shall be UL/cUL Listed SUITABLE FOR WET LOCATIONS. The floodlight shall have a decal indicating reflector identification viewable from the ground. Standard construction is IP55. Ballast, housing, optical and luminaire assembly shall all be from the same manufacturer.

MECHANICAL CONSTRUCTION

For ease of installation and to facilitate maintenance and replacement, the floodlight shall be supplied as two components — ballast and optical with glare control device mounted to the optical door.

The ballast assembly shall include a die-cast aluminum housing with electrocoat gray paint finish applied inside and out. The ballast assembly shall have a formed aluminum front panel that accesses a generous wiring compartment containing wiring with pre-stripped leads; a built-in weather-resistant strain-relief bushing; and a heavy-gauge steel trunnion protected by a weather-resistant coating. The access panel shall function as a condensate drain for luminaires aimed downward. The ballast assembly shall contain a vertical degree marker and a repositioning stop. All hardware shall be of a corrosion-resistant material or be protected by a corrosion-resistant finish.

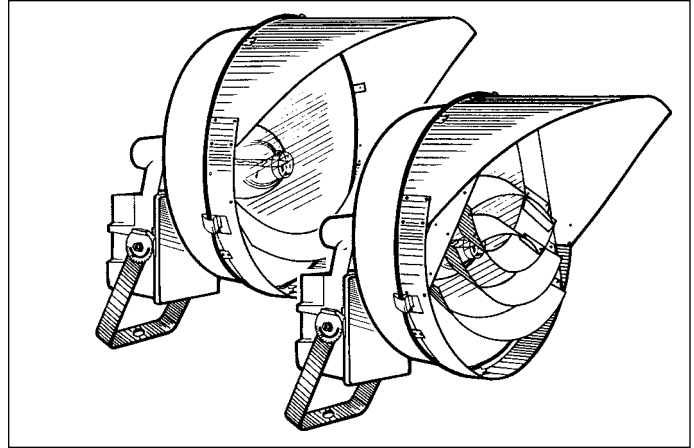
The ballast assembly shall be configured so that the socket is thermally isolated from the ballast compartment.

The ballast assembly shall contain a thermally isolated 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.

BALLAST OPERATION

The floodlight shall contain a standard Autoreg [CWA] (indicate that 1500 watt metal halide must operate design center lamp at rated watts on nominal power supply after thermal stabilization) ballast* circuit in full compliance with lamp-ballast specifications available to the fixture manufacturer from the lamp manufacturers at the time of fixture manufacture.

The ballast assembly shall contain a ballast which will reliably start and operate the lamp in ambient temperatures down to -20°F for metal halide or -30°F for HPS.



OPTICAL ASSEMBLY

The general purpose sealed optical assembly shall include a hinged door with stainless spring steel door latches, tempered door glass, silicone rubber door gasket, and airway with charcoal impregnated dacron filter.

There shall be a one-piece spun aluminum 20-inch (508 mm) reflector protected inside and out by an ALGLAS® finish. All external hardware shall be of a corrosion-resistant material or protected by a corrosion-resistant finish.

The heavy duty optical shall include a heavy gauge aluminum outer housing protected inside and out with an electrocoat gray paint finish.

GLARE REDUCTION ASSEMBLY

The full glare reduction assembly (PSGC) shall include an external visor with mill finish and floating louvers having a matte black absorbing side and a specular reflecting side. The complete assembly shall be mounted to a detachable reflector door enclosure. The NEMA 3 and 4 glare reduction assembly creates a 20° cutoff angle. The NEMA 5 and 6 glare reduction control assembly creates a 40° cutoff angle.

The PSGN shall have internal glare reduction louvers mounted on the door. The PSGV shall include an external glare reduction visor mounted on the door.

VISOR ASSEMBLY

The glare reducing visor shall have a mill finish and be mounted to a detachable reflector door enclosure.

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



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