

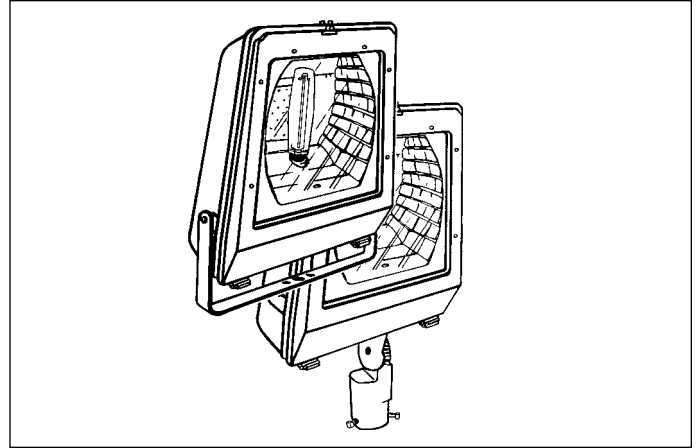


GUIDE FORM SPECIFICATIONS

PF-400® POWERFLOOD® FLOODLIGHT

GENERAL DESCRIPTION

The NEMA heavy-duty weather-resistant floodlight designated _____ (identify) shall be a GE PF-400® POWERFLOOD® floodlight, ordering number _____ (specify PF4S, PF4T, plus ordering number logic from catalog) or approved equal, for operation of one _____ (specify [150(55V), 200, 250, or 400] watt high pressure sodium [HPS], [175, 250 or 400] watt 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 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 floodlight shall contain a completely prewired integral ballast and optical assembly with _____ (specify 3X2, 4X2, 4X4, 5X4, 6X4, 6X5, 6X6, 7X6 or 7X7 according to photometric selection table in the catalog) NEMA type beam spread (horizontal X vertical). The floodlight shall have a NEMA lamp identification decal. The floodlight shall be UL/cUL Listed SUITABLE FOR WET LOCATIONS. Standard construction is IP55. Ballast, housing, optical and luminaire assembly shall all be from the same manufacturer.



OPTICAL ASSEMBLY

The optical assembly shall be sealed with a gasket around the perimeter of the front access door, contain an activated charcoal filter and include a formed aluminum reflector and heat/impact-resistant flat door glass. The reflector shall have a chemically-bonded lightweight nonbreakable glass ALGLAS® finish on both the inside and outside surfaces providing enhanced specular reflectance, corrosion resistance, durability and ease of cleaning. The optical assembly shall contain an 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. Lamp shall be mounted _____ (specify horizontally or vertically).

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

MECHANICAL CONSTRUCTION

The floodlight shall include die-cast aluminum housing with hinged and removable front-access door having captive screw (or optional wire bail latches), ballast, filtered optical assembly, _____ (specify steel trunnion [standard], die-cast aluminum knuckle slipfitter or knuckle wall mount with integral wiring box and vertical aiming degree markings) (and optional photoelectric control receptacle). All hardware shall be corrosion-resistant. All die-cast aluminum surfaces shall have a _____ (specify dark bronze [standard] or gray) electrocoat paint finish. The floodlight shall have a built-in aiming sight.

BALLAST OPERATION

The ballast shall be prewired to the lamp socket and terminal board and there shall be a plug-in type starter aid for high pressure sodium fixtures. (For convenience of installation and maintenance, an optional tray mount for ballast and other electrical components is available [for use with HPS lamps only].)

The floodlight shall contain a _____ (specify standard Autoreg or Mag-Reg.) type ballast* in full compliance with lamp-ballast specifications available to the fixture manufacturer from the lamp manufacturers at the time of fixture manufacture.

As an option the ballast may have the capability of operating high pressure sodium or metal halide lamp at any of four voltages — 120, 208, 240 or 277 volts. When specified, the multi-watt ballast (250/400) shall be connected for 250 watts unless otherwise specified. Check the Ballast and Photometric Selection Table before selecting a special rating.

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.



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