



Predator® LED

Floodlight Luminaires

Holophane's Predator® LED Series provides a full spectrum of durability and flexibility in the most demanding floodlighting applications.

The Predator LED is the ideal solution for floodlighting applications with three models to choose from; the PSLED (small), the PMLED (medium), and the PLLED (large). With energy savings exceeding 60% over HID alternatives and expected service life of over 20 years, Predator LED luminaires excel at meeting the challenges typically associated with floodlighting.

By combining the robust mechanical design features with the optical expertise and permanence of prismatic glass, this luminaire excels as a direct retrofit for both yoke and knuckle mount products. Clean, crisp white LED light, durable construction, visual comfort and reduced energy consumption and maintenance costs make the Predator LED the optimal solution for all floodlighting applications.

At a Glance

Three models: PSLED replaces 100-400 watt HID; PMLED replaces up to 1,000 watt HID; PLLED replaces up to 1,500 watt HID

60% minimum energy savings over HID and 50% maintenance savings

Prismatic glass lens for durability, permanence and glare control

Mounting options include both yoke mount and tenon slipfitter knuckle configurations

20+ year rated L70 driver for long system life

20kV/10kA surge protection is standard

Robust design with IP66 rating, 3G vibration rating, and a super durable paint finish exceeding 5,000 hour salt fog rating

Choice of color temperatures include 3000K, 4000K and 5000K

Segmented internal reflectors designed for superior field to beam ratios, uniformity, and spacing

Optical choices include 3X3, 4X4, 4X5, 5X5, 6X5, and 6x6 NEMA beam patterns

Tool-less entry and pre-wired three-stage terminal block eliminates need to open luminaire to wire, reducing installation time

CSA wet location, UL1598 and UL1598A Marine safety listing available

Control options include DTL® long life products and nLight® AIR occupancy sensor



Typical Applications

Ports/Rail Facilities
Industrial Parks
Correctional Facilities
Military Bases
Water & Wastewater Facilities
Schools/Campuses
Substations
Parking Lots



PLLED – Predator LED Large



PMLED – Predator LED Medium



PSLED – Predator LED Small

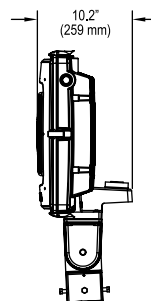
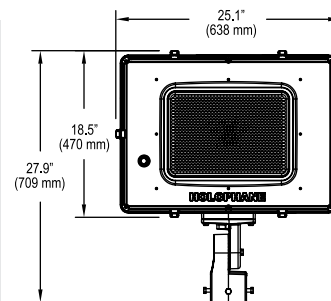


PLLED & PMLED

Predator LED Large & Medium

With the choice of five performance packages, the IP66 rated Predator **PLLED** (large) offers lumen packages for direct replacement of up to 1,500 watt HID floods. The Predator **PMLED** (medium) also offers five different performance packages, providing lumen packages replacing up to 1,000 watt HID floods.

Beam patterns available in the PLLED and PMLED are 3x3, 4x4, 4x5, 5x5, 6x5 and 6x6. Yoke mounting is available in both galvanized and stainless steel for Marine rated listing. They both are available with a variety of shielding options to control uplight and light trespass.

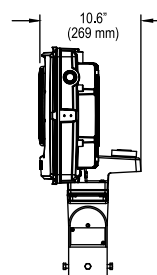
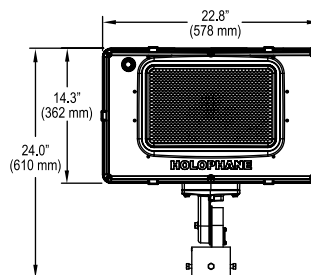


PLLED

Maximum weight: 54lbs (24kg) Knuckle

Maximum weight: 65lbs (29kg) Yoke

Maximum E.P.A.: 3.8 sq ft



PMLED

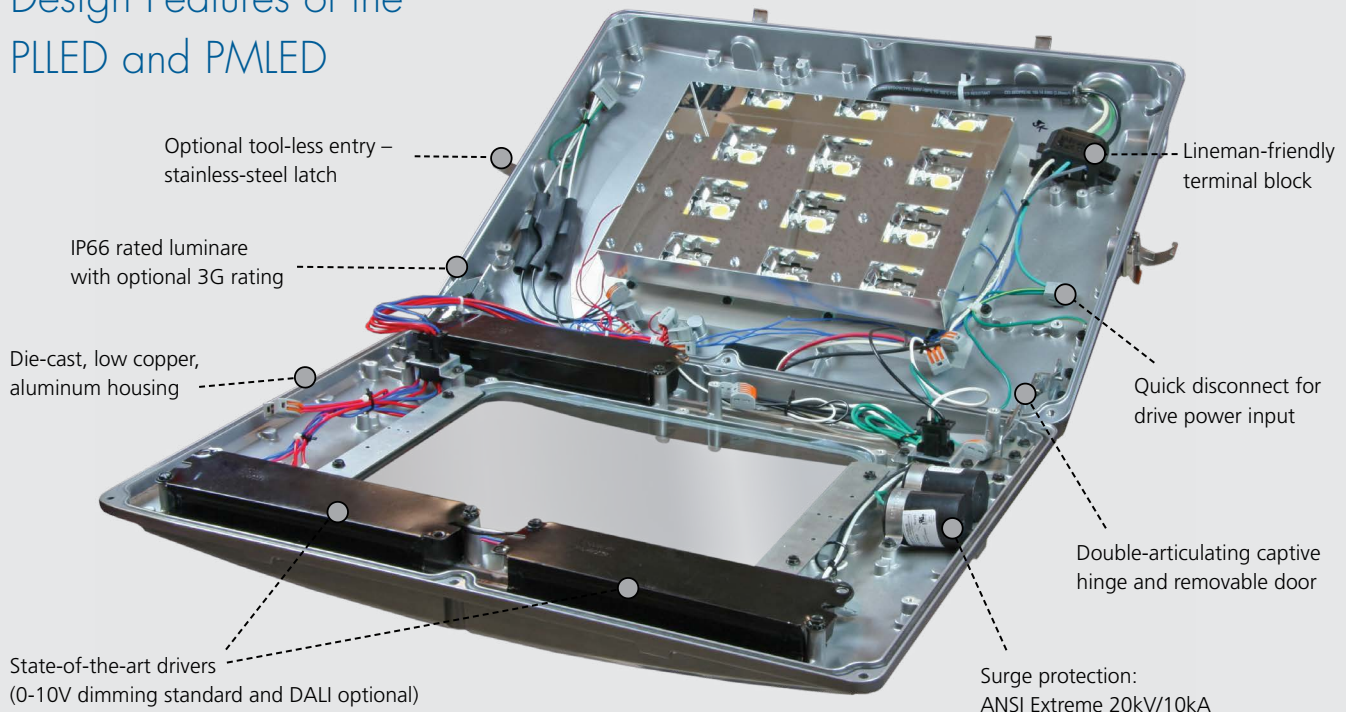
Maximum weight: 40lbs (18kg) Knuckle

Maximum weight: 47lbs (21kg) Yoke

Maximum E.P.A.: 3.1 sq ft



Design Features of the PLLED and PMLED



Borosilicate Prismatic Glass lens provides permanence, durability and glare control.



Tenon Mount factory pre-wired to knuckle wiring chamber



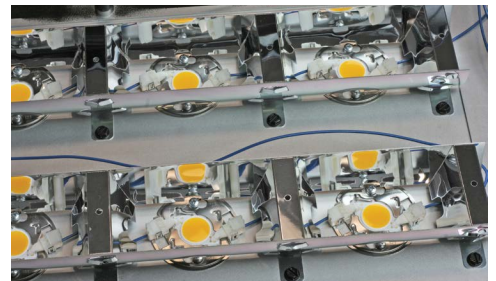
Factory Pre-wired Cord Assembly and cord grip for yoke mount



External Heat Sink provides excellent thermal transfer resulting in L70 values greater than 100,000 hours



Wraparound Yoke Mounting option in galvanized steel or stainless steel



High Performance segmented reflector system with five optical choices from narrow to wide distributions



FAO module option for field-adjustable lumen output

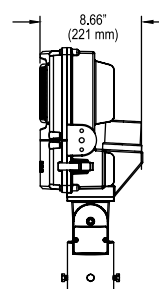
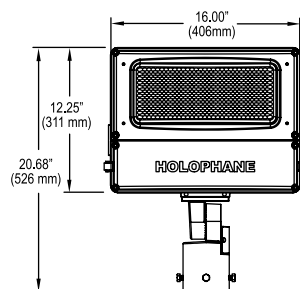


PSLED

Predator LED Small

With the choice of six different LED packages, the Predator **PSLED** (small) offers lumen packages for direct replacement of 100-400 watt HID floods. The smaller form factor and extremely light 28 lb. weight make the IP66 rated PSLED a more affordable but extremely versatile solution suited to a variety of applications.

Beam patterns available in the PSLED are 4x4, 4x5, 5x5, 6x5 and 6x6. Yoke mounting is available in galvanized and UL1598A Marine rated stainless steel configurations. The PSLED comes with a variety of control options and optional **DALI** driver.



PSLED

Maximum weight: 30lbs (14kg) Yoke

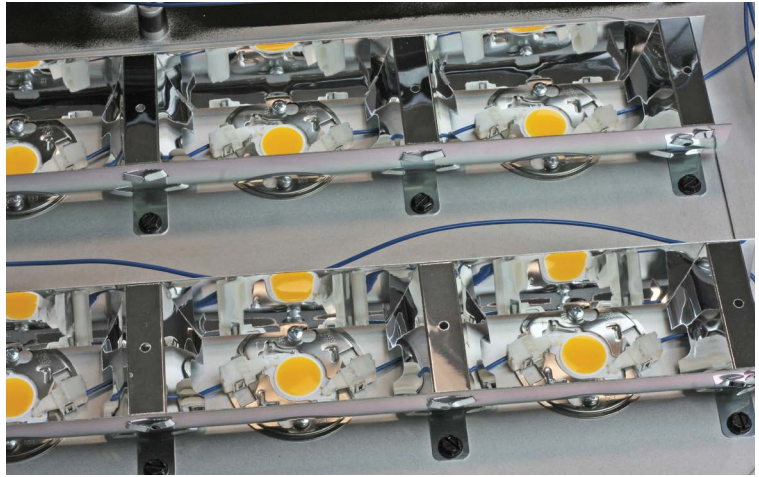
Maximum weight: 28lbs (13kg) Knuckle

Maximum E.P.A.: 1.89 sq ft



Design Features of the PSLED

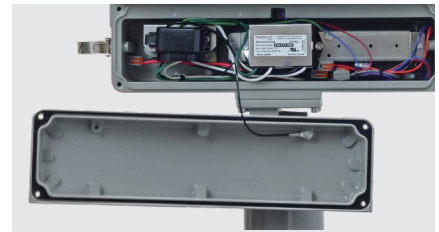
Acuity Brands® cutting edge light engine design provides value through high performance, reduced operational costs and long system life. The segmented internal reflectors are designed to provide high lumens per watt with superior field to beam ratios, uniformity, and spacing.



Advanced LED optics with prismatic glass refractor for visual comfort



20kV/10kA Extreme surge protection to protect your LED investment



Easy access to all electrical components



Adjustable knuckle-mount option with wireway access door



Adjustable yoke mount option available in galvanized or stainless steel



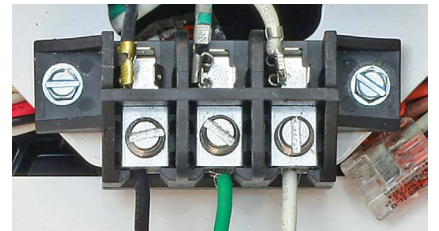
Stainless steel latches option



Half visor option can be mounted upright or inverted



Full visor option for minimized light trespass and glare



Easy installation features such as pre-wired 3-stage terminal block



Stainless steel wire guard option



Polycarbonate vandal guard option



FAO module option for field-adjustable lumen output



Acuity Brands Lighting, Inc.

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Holophane Europe Limited, Bond Ave., Milton Keynes MK1 1JG, England

Contact your local Holophane factory sales representative for application assistance, and computer-aided design and cost studies.

Warranty Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Visit our web site at www.holophane.com

Product specifications may change without notice. Please contact your local Holophane factory sales representative for the latest product information.

Increase Savings with Controls

Enhancing energy reduction by incorporating controls can save an additional 25 to 45% energy. Popular outdoor control strategies include dimming, scheduling and monitoring. Lowering energy consumption through the use of controls is a “green” solution too — helping enhance sustainability and reducing the impact of our carbon footprint.

- DTL® DLL Elite – Durable 20-year rated life photocell
- DTL® DSN – 20-year life with Itron network functionality
- DTL® Connect – Advanced photocell with wireless remote control
- Optional nLight® AIR controls offer additional operational savings



The nLight AIR wireless rSBOR utilizes Passive Infrared (PIR) detection technology to detect walking-size motion while preventing false tripping from the environment. The rSBOR features a dual radio that allows it to communicate via Bluetooth for iPhone/Android app-based configuration and with other nLight AIR devices in order to enable control strategies like group response to motion, on/off control in response to daylight and by switch.