The use of LED’s within traditional area and flood lighting applications is becoming a wide spread consideration when lighting design and selection is being performed. In order to take advantage of technology performance advancements, it is essential that the lighting system choice come from a reputable supplier where comprehensive engineering and testing has been conducted.

Holophane has undergone extensive research and development to ensure reliability of our luminaires utilizing LED technology so as to provide exceptional value to our customers.

The Predator LED is a sustainable solution for floodlighting applications with two models to choose from; the PMLED (medium) and the PLLLED (large). The PMLED offers lumen packages for direct replacement of 400-1,000 watt metal halide floods. The PLLLED offers lumen packages for direct replacement of 750-1,000 watt HID floods.
Features and Benefits

- Optimized thermal management system for maximum performance, long life, and reliability
- Segmented internal reflectors are designed for superior field to beam ratios, uniformity, and spacing
- Optical Choices include 4X4, 4X5, 5X5, 6X5, and 6X6 NEMA patterns
- Tool-less entry, integral three stage terminal block, are included to reduce installation time
- Robust design with IP66 rating, 3G vibration rating, and a super durable paint finish over an epoxy primer exceeding 5000 hour salt fog rating
- Mounting options include tenon slipfitter knuckle, galvanized steel yoke or stainless steel yoke
- UL1598, UL1598A Marine listed
- ROAM® Control option for monitoring and diagnostics

Typical Applications

- Parking Lots
- Correctional Facilities
- Schools/Campuses
- Military Bases
- Industrial Parks
- Substations
- Ports/Rail Facilities
- Wastewater Treatment Plants
Borosilicate Prismatic Glass lens provides permanence, durability, and glare control.

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

Wraparound Yoke Mounting option in galvanized steel or stainless steel

Tenon Mount factory prewired to knuckle wiring chamber

Standard Configuration includes stainless door closure bolts

Optional Tool-less Entry Trigger Latch (Stainless Steel)
LED Optical Design

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

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

**Dimensional Details**

**PMLED**
- Maximum weight: 40lbs (18kg) Knuckle
- Maximum weight: 47lbs (21kg) Yoke
- Maximum E.P.A.: 3.1 sq. ft.

**PLLED**
- Maximum weight: 54lbs (24kg) Knuckle
- Maximum weight: 65lbs (29kg) Yoke
- Maximum E.P.A.: 3.8 sq. ft.

**Performance Specifications**

**Optical**
Performance of the PMLED is to replace 400-1,000 watt MH luminaires. Performance of the PLLED is to replace 750-1000 watt HID product. The optical system utilizes state-of-the-art COB (chip-on-board) technology with 3000K, 4000K and 5000K color temperature choices and a 70 CRI minimum color temperature. The luminaire uses a highly specular internal reflector designed for superior field to beam ratios, uniformity and spacing. NEMA beam pattern choices of 4X4, 4X5, 5X5, 6X5, and 6X6 are available. Optional shielding is available to control uplight and light trespass. The optical enclosure is a borosilicate prismatic glass lens.

**Electrical**
Long Life: LED light engines are rated > 100,000 hours at 25C, L70. Electronic driver has a rated life of 100,000 hour at a 25C ambient. Surge protection device provides IEEE/ANSIc62.4 Category C (10kV/5kA) level of protection.

**Mechanical**
Rugged low copper A360 alloy die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convection cooling. The housings are painted with a super durable polyester paint finish over an epoxy primer pretreat yielding a finish that achieves a scribe creepage of 8 after 5,000 hours exposure to salt spray, providing durability and corrosion resistance.

The luminaire is available in either knuckle mount or yoke mount. The knuckle mount is adjustable and is designed to fit 2.375 inch to 2.875 inch tenons. The yoke mount is available in either galvanized steel or stainless steel. The luminaire comes standard prewired eliminating the need for opening the unit during installation. The knuckle version is pre-wired to the wiring chamber at the fitter.

The yoke mount has provision for a pre-wired cord drop to specified length in the ordering information. The luminaire comes standard with the door frame bolted to the housing. Optional tool-less stainless steel latches are available to allow easy access to LED drivers, surge protection, and terminal block. The optical enclosure is sealed and gasketed to an IP66 rating.

**Controls**
The NEMA three pin locking-style photocontrol receptacle and an optional five pin receptacle is available. Dimming version uses proprietary Acuity Brands components to enable continuous 0-10V dimming down to 10% output via the ROAM smart controls system (optional). Photocontrol for solid-state lighting meets ANSI C136.10 criteria

**Warranty & Standards**
Rated for -40C to 35C ambient
UL 1598 A wet location, UL 1598A Marine
Outdoor Lighting

HOLOPHANE®

Infrastructure  | Predator LED

Catalog Numbers for Entire Product Offering
(Pricing and lead times may be affected)

Most Frequently Ordered Catalog Numbers

<table>
<thead>
<tr>
<th>PMLEd</th>
<th>LED Modules</th>
<th>Color Temp</th>
<th>Drive Current</th>
<th>Voltage</th>
<th>Beam Pattern</th>
<th>Mounting</th>
<th>UL Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6</td>
<td>3</td>
<td>10A</td>
<td>AS</td>
<td>44</td>
<td>1</td>
<td>K</td>
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<tr>
<td>6</td>
<td>6</td>
<td>4</td>
<td>10A</td>
<td>AH</td>
<td>44</td>
<td>3</td>
<td>K</td>
</tr>
</tbody>
</table>

Preferred Selections:

Operating Characteristics

The Predator LED is a direct replacement for installed high intensity discharge (HID) flood lights. The chart below gives general guidance on replacement of the Predator LED to HID luminaires.

<table>
<thead>
<tr>
<th>Replacement</th>
<th>HID Wattage CWA Type</th>
<th>Modules</th>
<th>Lumens</th>
<th>LED Wattage</th>
<th>LPW</th>
<th>Savings</th>
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</thead>
<tbody>
<tr>
<td>PLLED</td>
<td>1000 HPS</td>
<td>1100</td>
<td>48,000</td>
<td>391</td>
<td>123</td>
<td>64%</td>
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<tr>
<td>PMLEd</td>
<td>1000 MH</td>
<td>1070</td>
<td>32,000</td>
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<tr>
<td>PMLEd</td>
<td>750 MH</td>
<td>820</td>
<td>32,000</td>
<td>261</td>
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<td>68%</td>
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<tr>
<td>PMLEd</td>
<td>400 HPS</td>
<td>464</td>
<td>22,000</td>
<td>177</td>
<td>123</td>
<td>61%</td>
</tr>
</tbody>
</table>

*Colors are just a representation. Custom colors are available upon request.*

STEP 1: LUMINAIRE
PMLEd Predator LED Medium
PLLED Predator LED Large

STEP 2: LED MODULES
4 Modules 6 Modules 8 Modules 9 Modules

STEP 3: COLOR TEMP
3K 4K 5K

STEP 4: DRIVE CURRENT
10A 1050mA Driver

STEP 5: VOLTAGE
AS Auto-sensing voltage (120-277V)
AH Auto-sensing voltage (347-480V)

STEP 6: BEAM PATTERN
44 4x4 (Prismatic glass)
45 4x5 (Prismatic glass)
55 5x5 (Prismatic glass)
65 6x5 (Prismatic glass)
66 6x6 (Prismatic glass)

STEP 7: MOUNTING
1 Tenon slipfitter-knuckle
3 Yoke Stainless Steel
4 Yoke galvanized

STEP 8: UL CATEGORY
K Wet locations
L² Marine Outside

STEP 9: COLOR
BP Black Super durable with epoxy primer
GP Gray Super durable with epoxy primer
HP Graphite Super durable with epoxy primer
WP White Super durable with epoxy primer
ZP Bronze Super durable with epoxy primer

STEP 10: CORD LENGTH OPTION
04 4’ cord length
12 12’ cord length
05 5’ cord length
15 15’ cord length
06 6’ cord length
20 20’ cord length
08 8’ cord length
25 25’ cord length
10 10’ cord length
30 30’ cord length

STEP 11: CORD TYPE
63 16 gage, 3 conductor
43 14 gage, 3 conductor
23 12 gage, 3 conductor

STEP 12: OPTIONS (CONTINUED)
P5 " ANSI standard locking style 5-pin receptacle
P7 " ANSI standard locking style 7-pin receptacle
SH " Shorting cap
TL Tool-less entry with latches

STEP 12: ACCESSORIES
PMLEd FV-XX Full visor super durable paint with epoxy primer
PMLEd UBV-XX Upper/bottom visor super durable paint with epoxy primer
PMLEd VG Vandal guard
PMLEd WG Wire guard
08657-XX Yoke to 2.375” OD tenon adaptor, super durable paint with epoxy primer
08775-XX Yoke to 2.375” OD tenon adaptor with photocontrol receptacle, super durable paint with epoxy primer

1. Available with PMLEd only
2. Available with PLLED only
3. Must be used with P3 or P5
4. Not available with P5 option
5. Available with mounting 3 and 4 only
6. PMLEd Not Available with TB option
7. PMLEd Not Available with TB option
8. Accepts 3-pin and 5-pin as well. The 5-pin controls fixture dimming.
Warranty

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

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

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

For information on other Holophane products and systems, call the Inside Sales Service Department at 866-759-1577.

In Canada call 905-886-6967 or fax 905-886-7973.