The Outdoor LED light engine utilizes patented optics and reflector technology for efficient light distribution. The Outdoor LED light works in a variety of new luminaire housings or as a seamless retrofit for existing luminaire housings.

Intended Use
The Outdoor LED light engine is designed for new light fixtures or retrofit projects. Applications include roadway, parking lot (shoebox and cobra heads), canopy, parking garage and general area lighting for commercial/industrial. Suitable for indoor and outdoor applications.

Construction & Materials
Heavy duty, corrosion resistant, precision die cast aluminum chassis with heat sink technology. High impact acrylic lens, and tool-less entry.

Optical System
Patented optics redirect house side light efficiently and consistently into target illumination area.

Electrical System
Universal input voltage 120V-277V. 480V available upon request. Has 0-10V dimming capabilities.

Installation
Quick and easy installation using the provided adaptor plates.

Certifications and Endorsements
DLC Qualified
PG&E Qualified
SCE Qualified
Int’l Dark Sky Assoc. Approved

Independent Performance Tests
Photometrics (LM-79)
Thermal Management (LM-80)
Safety (UL 8750/1598, CSA C22.2)
Corrosion (ASTM-B117)
Ingress Protection (IP-66)
Pole Vibration (ANSI-C136.3)
Mechanical Stress
Surge Protection (IEEE C62.45)
Transient Protection (IEEE C62.41)
Noise (Class A, FCC 47CFR-15B)

Warranty
The Outdoor LED light engine chassis/housing comes with a 10 year warranty. The power supplies and LEDs come with a 5 year warranty. Standard terms and conditions apply.
SPEC INFORMATION

<table>
<thead>
<tr>
<th>Model</th>
<th>CRI (typical)</th>
<th>Drive Current (mA)</th>
<th>BUG Ratings (IES TM-15-11)</th>
<th>Input Power (w)</th>
<th>Input Current (120 v)</th>
<th>Input Current (240 v)</th>
<th>Average Life (hrs)</th>
<th>Delivered Lumens (iles II/III)</th>
<th>Efficacy (iles II/III)</th>
<th>Delivered Lumens (Type V)</th>
<th>Efficacy (Type V)</th>
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</table>

Input voltage 120-277 VAC; 480V also available, Operating frequency 50-60 Hz, Power factor > 0.90; THD < 20%

PRODUCT DIAGRAMS

Gridlines represent units of mounting height, values based on 20 ft mounting height.

One of many available adaptor plates.

Notes:
- Over 170 adaptor plates available, as well as custom plates.
- Unit comes with quick disconnects and safety cable.
- Other LED color temperatures available upon request.
- Bi-Level and OCC sensor options available.