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.

**PRODUCT DETAILS**

**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**
- 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>
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<tr>
<th>Model</th>
<th>CRI (typical)</th>
<th>Drive Current (mA)</th>
<th>BUG Ratings (IES TM-15-11)</th>
<th>Input Current (120 v)</th>
<th>Input Current (240 v)</th>
<th>Average Life (hrs)</th>
<th>Delivered Lumens</th>
<th>Efficacy</th>
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Input voltage 120-277 VAC; 480V also available, Operating frequency 50-60 Hz, Power factor > 0.90; THD < 20%

### PRODUCT DIAGRAMS

#### Type II/III

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

#### Type V

Top mount power supply configuration.

Back mount power supply configuration.

### PART NUMBER INFORMATION

- **E** type (2=TYPE 2/3, 5=TYPE 5)
- **F** input voltage (U=120-277V, 8=480V)
- **U** number of LEDs (28, 42, 63, 90)
- **6 3** drive current (3=350 mA, 5=525 mA)
- **5 5** color temp (N=NEUTRAL WHITE)

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.

One of many available adaptor plates.