The LED Flood Series is a family of energy efficient solutions for replacing high wattage outdoor flood luminaires. Their small footprint provide an easy means to conceal the luminaire and deliver superior illumination for highlighting or accentuating key landscape contours, outdoor signs, statues, and many other important outdoor features. Their IP65 rating and UL listing for wet applications, are designed for weathering outdoor elements. The LED Flood Series are rated for over a 50,000 hour rated life and are backed by a 5-year warranty. Applications include; schools, parks, building facades, security, signage and parking lots.

### Performance Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRI</td>
<td>70</td>
</tr>
<tr>
<td>Rated Life</td>
<td>50,000 hour life</td>
</tr>
<tr>
<td>Watt</td>
<td>12W</td>
</tr>
<tr>
<td>Lumens</td>
<td>1,474</td>
</tr>
<tr>
<td>Lumens per Watt (LPW)</td>
<td>122</td>
</tr>
<tr>
<td>Input Line Voltage</td>
<td>100-277V</td>
</tr>
<tr>
<td>Input Line Frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Min. Start Temp.</td>
<td>-40°F (-40°C)</td>
</tr>
<tr>
<td>Max. Operating Temp.</td>
<td>104°F (40°C)</td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;98%</td>
</tr>
<tr>
<td>THD</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year Limited</td>
</tr>
<tr>
<td>Control</td>
<td>Non-Dimmable</td>
</tr>
<tr>
<td>Weight</td>
<td>2 lbs.</td>
</tr>
</tbody>
</table>

### Energy Savings

<table>
<thead>
<tr>
<th>System</th>
<th>System Wattage</th>
<th>Replacement LED</th>
<th>Wattage</th>
<th>Energy Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>100W Metal Halide</td>
<td>130W</td>
<td>FL1/CL12BZ50/XX/LED</td>
<td>12W</td>
<td>90%</td>
</tr>
</tbody>
</table>

### Construction

- Die-cast aluminum housing
- Clear polycarbonate lens
- Textured architectural bronze powdercoat finish

### Accessories

- IP65 rated
- Heavy Duty Ground Stake - For Knuckle Mounts only - 99813
- NEMA type 6 distribution

### Installation

- Adjustable knuckle with 1/2" NPS Threads
- Yoke mount and knuckle mount options

### Electrical

- 100V-277V input range
- 50/60 Hz input frequency

- UL listed for wet locations
- Electrical snap-in connectors to simplify wiring and installation

### Ordering Information

<table>
<thead>
<tr>
<th>Watt</th>
<th>Product #</th>
<th>Product Code</th>
<th>Volts</th>
<th>Color Temp.</th>
<th>CRI</th>
<th>Lumens</th>
<th>Useful Life*</th>
<th>Dimmable</th>
<th>Mounting Type</th>
<th>Fixture Size L x H</th>
<th>Wattage Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Watt</td>
<td>99875</td>
<td>FL1/CL12BZ50/KN/LED</td>
<td>100-277V</td>
<td>5000K</td>
<td>70</td>
<td>1475</td>
<td>50,000</td>
<td>No</td>
<td>Knuckle</td>
<td>5&quot; x 4.72*</td>
<td>100W Metal Halide</td>
</tr>
<tr>
<td>12 Watt</td>
<td>99876</td>
<td>FL1/CL12BZ50/YK/LED</td>
<td>100-277V</td>
<td>5000K</td>
<td>70</td>
<td>1475</td>
<td>50,000</td>
<td>No</td>
<td>Yoke</td>
<td>5&quot; x 3.5*</td>
<td>100W Metal Halide</td>
</tr>
</tbody>
</table>

* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to burn past this point, but at decreased light levels.

Warranty – Commercial / Industrial: This product is warranted for 5 years from the date of purchase.

** Check the latest update at www.DesignLights.org for listed product catalog numbers. Not all versions are listed.
LED Flood Series FL1

Dimensions

Photometrics

Flood Summary

LCS Table

Bug Rating

Forward Light

B1 - U1 - G0

Lumens Lumens%

Low (0-30) 227.5 15.4%

Medium (30-60) 467.9 31.7%

High (60-80) 63.0 4.3%

Very High (80-90) 3.2 0.2%

Back Light

Low (0-30) 221.0 15%

Medium (30-60) 435.0 29.5%

High (60-80) 52.0 3.5%

Very High (80-90) 3.0 0.2%

Uplight

Low (80-90) 0.2 0%

High (100-180) 1.3 0.1%

Trapped Light: 0.000 0%

Field (%):

97.1% 1,430.8 105.6 134.5

Beam (%):

86.4% 1,273.0 81.5 122.3

Total: 99.9% 1,472.3

Illuminance at a Distance

Center Beam

Footcandle horizontal vertical

Height (ft) 127.34 FC 3.4 7.3 5.3 9.5

4.00 31.84 FC 6.9 14.5 10.5 19.1

6.00 14.15 FC 10.3 21.8 15.8 28.6

8.00 7.96 FC 13.8 29.1 21.1 38.2

10.00 5.09 FC 17.2 36.3 26.3 47.7

Beam Angle

Beam Angle

81.5° 122.3° 105.6° 134.5°