Optimus
LED area luminaire
LCG-SB

- Tier 1 LED for high luminous efficiency and long life
- Die cast aluminum design for better cooling and durability
- Excellent optical design
- Photocell control accessory can be added during installation
- 1-10 VDC dimming driver standard

Specifications

Electrical

<table>
<thead>
<tr>
<th>Size</th>
<th>System efficacy</th>
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<tbody>
<tr>
<td>300 W</td>
<td>132 lm/W</td>
</tr>
<tr>
<td>200 W</td>
<td>135 lm/W</td>
</tr>
<tr>
<td>150 W</td>
<td>141 lm/W</td>
</tr>
<tr>
<td>100 W</td>
<td>133 lm/W</td>
</tr>
<tr>
<td>60 W</td>
<td>146 lm/W</td>
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Data based on 5000 K, Type III model.

Lighting

Light output (nominal)

<table>
<thead>
<tr>
<th>Size</th>
<th>Light output (nominal)</th>
<th>Pole height &amp; FC correlation (based on 50' dia. area, Type V optics, 5000 K (CCT))</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 W</td>
<td>39,600 Lumens</td>
<td>12' (3.6 m) 15' (4.5 m) 20' (6.0 m) 25' (7.6 m) 30' (9.0 m) 35' (10.5 m) 40' (12 m)</td>
</tr>
<tr>
<td>200 W</td>
<td>27,200 Lumens</td>
<td>12' (3.6 m) 15' (4.5 m) 20' (6.0 m) 25' (7.6 m) 30' (9.0 m) 35' (10.5 m) 40' (12 m)</td>
</tr>
<tr>
<td>150 W</td>
<td>21,150 Lumens</td>
<td>12' (3.6 m) 15' (4.5 m) 20' (6.0 m) 25' (7.6 m) 30' (9.0 m) 35' (10.5 m) 40' (12 m)</td>
</tr>
<tr>
<td>100 W</td>
<td>13,300 Lumens</td>
<td>12' (3.6 m) 15' (4.5 m) 20' (6.0 m) 25' (7.6 m) 30' (9.0 m) 35' (10.5 m) 40' (12 m)</td>
</tr>
<tr>
<td>60 W</td>
<td>8,750 Lumens</td>
<td>12' (3.6 m) 15' (4.5 m) 20' (6.0 m) 25' (7.6 m) 30' (9.0 m) 35' (10.5 m) 40' (12 m)</td>
</tr>
</tbody>
</table>

Light distribution .......... Type II, Type III, Type IV†, and Type V

Color temperature (CCT) .... 3000 K†, 4000 K, 5000 K

Color rendering (CRI) ...... >70

Dimming ..................... 1-10 VDC dimmable driver

Performance

Ingress protection .......... IP66

Operating temperature .......... -22° F to 113° F (-30° C to 45° C)

Life rating .................. L70 @ 25° C per TM21-11

Tested ....................... 50,000 hours

Surge protection .............. 4KV / 6KV

Construction

Body ................................ Die cast aluminum

Body colors ...................... Black†, Bronze, Grey†, and White†

Dimensions L × W × H .......... 300 W .................. 25.3” × 15.9” × 3.4”

150 W / 200 W ................. 23.7” × 11.2” × 3.4”

60 W / 100 W .................. 23.7” × 11.2” × 3.4”

Mounting§

Adjustable Arm† .................. Side mounts to a square or round pole with no additional hardware. Can be used to mount fixture to a wall. Knuckle can be adjusted 180° up/down.

Straight Arm§ .................... Static mount at 90° from mounting surface. Side mounts to a square or round pole with no additional hardware. Can be used to mount fixture to wall. Required for Dark Sky Compliance.

Trunnion† ........................ U-bracket fitters allows for 180° (up and down) adjustment from the mounting surface. Transforms the fixture into a floodlight.

Slip-fitter† ...................... Mounts pole top on a 2.375” (60 mm) pole or tenon and adjusts 105° in 5° increments.

Documentation

Warranty ......................... 5-year limited

Agency listings .................. CULus, DesignLights Consortium® (DLC) Premium, CE, FCC

Files available .................. LM-79, LM-80, IES
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Photometrics

Type II
Lamp=31,708 lm
Max=291.7 cd/klm
Power=292 W
Multiplier=31.708
Degrees=0

Type III
Lamp=32,293 lm
Max=386.6 cd/klm
Power=299 W
Multiplier=32.293
Degrees=0

Type IV
Lamp=34,586 lm
Max=644.1 cd/klm
Power=289 W
Multiplier=34.586
Degrees=0

Type V
Lamp=40,770 lm
Max=313.6 cd/klm
Power=300 W
Multiplier=40.77
Degrees=0

EPA rating

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<th>Size</th>
<th>Fixture quantity &amp; mounting config</th>
<th>Single</th>
<th>2 @ 90</th>
<th>2 @ 180</th>
<th>3 @ 90</th>
<th>3 @ 120</th>
<th>4 @ 90</th>
<th>2 side by side</th>
<th>3 side by side</th>
<th>4 side by side</th>
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<tbody>
<tr>
<td>60 W &amp; 100 W</td>
<td>Slip-fitter</td>
<td>0°</td>
<td>0.67</td>
<td>0.99</td>
<td>1.34</td>
<td>1.66</td>
<td>2.15</td>
<td>1.98</td>
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<td>2.01</td>
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<td>Slip-fitter</td>
<td>0°</td>
<td>0.72</td>
<td>1.17</td>
<td>1.44</td>
<td>1.89</td>
<td>2.42</td>
<td>2.34</td>
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<tr>
<td>60 W &amp; 100 W</td>
<td>Straight arm</td>
<td>0°</td>
<td>0.67</td>
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SloanLED
Leaders in LED Technology
Optimus
LED area luminaire
LCG-SB

Ordering information

Part number
Example: LCG-SB-100W-U-50K-T3-BZ-S-D1

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Accessories

2.375" (60 mm) Tenon Kit
Square poles
601102-BK (Black)
601102-BZ (Bronze)
601102-CC-S (Silver)
601102-CC-WH (White)

Round poles
601017-BK-3.0 (Black)
601017-BZ-3.0 (Bronze)
601017-SL-3.0 (Silver)
601017-WH-3.0 (White)

Photocell Socket
NEMA 3-pin socket
601053

Universal Voltage Photocell
401762

* Available by special order, please contact SloanLED for lead times.
† Matches Grey (GY) finish.
‡ Matches White (WH) finish.
§ 347-480 VAC only available on 150 W, 200 W, and 300 W, special order.
¶ 100 - 277 VAC
△ Mounting arms, Trunnion, and Slip-fitter shipped along side. Field assembly required.