FEATURES + BENEFITS

- Cold forged heatsink core with patented Forging Fit Technology capable of passively cooling up to 320W
- Adjustable angle bracket with a 270° allowable swivel, adaptable to various masts and poles
- Compliant with Mean Well 320W PSU
- Equipped with a 90° beam angle lens with a sealed waterproof design
- Record high total light flux and efficiency of a single light source: Flip Chip Opto Luna 300W COB
- Durable surface finish to protect against corrosion and harsh weather conditions

PRODUCT SPECIFICATIONS

- PRODUCT FAMILY
  - H: Helios
- FIXTURE TYPE
  - S: Swivel Bracket
  - H: Highbay Eyebolt
- FIXTURE WATTAGE
  - 0320: 320W
- COB TYPE
  - L: Luna
- OPTICS ANGLE
  - L60: 60° Lens
  - L90: 90° Lens
  - L120: 120° Lens
  - R25: 25° Reflector
  - R60: 60° Reflector
  - R90: 90° Reflector
- CCT
  - 32: 3200K
  - 40: 4000K
  - 50: 5000K
- CRI
  - 80: 80 (Standard)
  - 90: 90 (Upon Request)
  - 95: 95 (Upon Request)
- PSU
  - H: HLG
  - V: HVG
- DIMMING
  - D: Dimming
  - N: Non-Dimming
- HEATSINK
  - 5: 320W V2
  - 6: 600W
## PRODUCT PARAMETERS

### MECHANICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Material</th>
<th>Surface Finish</th>
<th>Dimensions (mm)</th>
<th>Weight</th>
<th>Part</th>
<th>Process</th>
<th>Color Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heatsink Core</td>
<td>Heatsink Core</td>
<td>300 x 337 x 374</td>
<td>24 lbs</td>
<td>Heatsink</td>
<td>Electrophoretic Deposition (EPD)</td>
<td>Black</td>
</tr>
<tr>
<td>Fins</td>
<td>Fins</td>
<td></td>
<td></td>
<td>Brackets</td>
<td>Powder Coating</td>
<td>Black</td>
</tr>
<tr>
<td>Reflector</td>
<td>Reflector</td>
<td></td>
<td></td>
<td>Brackets</td>
<td>Anodizing / Powder Coating</td>
<td>Silver / Black</td>
</tr>
<tr>
<td>Lens</td>
<td>Lens</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brackets</td>
<td>Brackets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Input Voltage Range</th>
<th>90 - 305 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Current</td>
<td>6.7 A</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>48 VDC</td>
</tr>
<tr>
<td>Power Factor</td>
<td>0.98 @ 115 VAC</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20°C to 40°C (-4°F to 104°F)</td>
</tr>
</tbody>
</table>

### OPTICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Light Source</th>
<th>Flip Chip Opto &quot;Luna 300W&quot; COB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>32778 lm @ 304.8W, Cool White</td>
</tr>
<tr>
<td>Light Efficacy</td>
<td>107.5 lm/W</td>
</tr>
<tr>
<td>CRI</td>
<td>70 – 95+</td>
</tr>
<tr>
<td>CCT</td>
<td>3,000K / 4,000K / 5,000K</td>
</tr>
<tr>
<td>Light Color</td>
<td>Warm White / Neutral White / Cool White</td>
</tr>
</tbody>
</table>

### RATING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Protection Rating</th>
<th>IP 65 (IP67 for optional PSU model)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifespan</td>
<td>50,000 Hours</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 Years Minimum</td>
</tr>
</tbody>
</table>

### Certifications

![CE, FCC, UL, and other certifications]
HEATSINK FORGING FIT DESIGN
Comprised of a pure aluminum column, the unibody cold forged heatsink utilizes patented forging fit technology for fin insertion and allowing maximum thermal heat dissipation.

OPTICAL LENS + SEALED DESIGN
The lens assembly contains a domed glass lens with a high transparency rate for minimal obstruction of the lumen output. The sealing gasket achieves the protection rating of IP65/66 to protect against different environmental conditions.

LUNA 300W COB
The single light source COB from Flip Chip Opto uses their proprietary low temperature bonding technology achieving a low thermal resistance of 0.1°C/W.

For detailed specs: http://www.fcopto.com/luna-series/

MOUNTING BRACKET
Stamped iron mounting brackets allow for quick orientation positioning and adaptability for tower/wall mounting and mobile/stationary units.

SURFACE FINISH
Consisting of an Electrophoretic Deposition (EPD) finish, the film coating provides uniform thickness and strong adhesion to protect against corrosion and mechanical stress.

OPTIONAL COMPONENTS
- 25° Reflector
- 60° Reflector
- 120° Lens
- Alternative Hook Mount Highbay Bracket Assembly

*For additional information regarding optical components, contact Ursa sales
04  FIXTURE  + BREAKDOWN

MODEL_HS0320L - L60

MODEL_HS0320L - LA2

MODEL_HS0320L - R25

MODEL_HS0320L - R60

MODEL_HS0320L - R90
**ILLUMINANCE VS DISTANCE**

- **Beam Angle:** 91.5°
- **Distance (m):**
  - 1 m: 15861 lx
  - 2 m: 3965 lx
  - 3 m: 1762 lx
  - 4 m: 991 lx
  - 5 m: 654 lx
  - 6 m: 441 lx
  - 7 m: 324 lx
  - 8 m: 248 lx
  - 9 m: 196 lx
  - 10 m: 159 lx

**ILLUMINANCE**

**Diameter**

**TEMP RISE ABOVE AMBIENT VS. DISSIPATED POWER**

- **Temperature Rise Above Ambient (°C)**
  - 0°C
  - 10°C
  - 20°C
  - 30°C
  - 40°C
  - 50°C
  - 60°C
  - 70°C
  - 80°C
  - 90°C

**THERMAL RESISTANCE VS. DISSIPATED POWER**

- **Thermal Resistance (°C/W)**
  - 0.000
  - 1.000
  - 2.000
  - 3.000
  - 4.000
  - 5.000
  - 6.000
  - 7.000
  - 8.000

**Dissipated Power (W)**

- 0 W
- 50 W
- 100 W
- 150 W
- 200 W
- 250 W
- 300 W
- 350 W
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