High-Intensity 100,000cd white/red ICAO Type B+C Stand Alone LED flashing obstruction light
CEL-HI-100KWD-115-A

CEL high-intensity stand-alone aviation warning lights are designed for marking tall structures such as tall buildings, wind turbines, chimneys, masts, and towers.

The standalone light offers unique features such as built-in fault monitoring, photocell for day/night switching. No additional boxes or controllers are required for further operation. This light uses a unique environmental friendly optical lens solution that minimizes light pollution to the environment.

Key Features
- Based on LED-technology
- 100,000cd WHITE flashing light
- Incorporated photocell and fault monitoring
- GPS synchronisation and Ethernet connection on request
- More than 10 years of maintenance free operating time
- 5 year warranty

Optical Characteristics
- 100,000cd flashing @day white
- 20,000cd flashing @twilight white
- 2,000cd flashing @night red
- Colour aviation WHITE / RED
- Horizontal radiation pattern 360°
- Vertical beam 3°

Specifications met
- ICAO International Standards and Recommended Practices:
    - High-intensity Type B - 100,000cd

Electrical Characteristics
- Operating voltages 115 or 230VAC
- Constant power input by active PFC
- Flash rates: 20 and 40 fpm
- Meets standards
  - EMC (Emissions): EN 61000-6-4
  - EMC (Immunity): EN 61000-6-2

continued....
High-Intensity 100,000cd white/red ICAO Type B+C
Stand Alone LED flashing obstruction light
CEL-HI-100KWD-115-A

Electrical Characteristics continued...
- Power consumption (401pm)
  275W @ Day
  55W @ Twilight
  23W @ Night
- Recommended cables:
  Power: 3x2,5mm² (Outdoor) L-N-PE
  Data: CAT 7 (Outdoor)
  Alarm: CAT 7 (Outdoor)

Mechanical Characteristics
- Anodised marine grade aluminium body
- Glass cover
- Degree of protection IP65
- Operating temperature range -55...+55°C
- Mounting 240x240mm, Ø17
- Height 721mm, diameter 364mm
- Weight 41kg

Additional Factory-Installed Options
- GPS flash synchronization
- Ethernet data interface
- NVG Compliant infrared

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CEL-HI-100KW-230-A</td>
<td>100,000cd</td>
<td>Type B</td>
<td>230 VAC</td>
<td>260 VA</td>
<td>Yes</td>
<td>800x600x400, 50kg</td>
</tr>
<tr>
<td>CEL-HI-100KW-115-A</td>
<td>100,000cd</td>
<td>Type B</td>
<td>115 VAC</td>
<td>260 VA</td>
<td>Yes</td>
<td>800x600x400, 50kg</td>
</tr>
<tr>
<td>CEL-HI-100KWD-230-A</td>
<td>100,000cd</td>
<td>Type B</td>
<td>230 VAC</td>
<td>260 VA</td>
<td>Yes</td>
<td>800x600x400, 50kg</td>
</tr>
<tr>
<td>CEL-HI-100KWD-115-A</td>
<td>100,000cd</td>
<td>Type B</td>
<td>115 VAC</td>
<td>280VA</td>
<td>Yes</td>
<td>800x600x400, 50kg</td>
</tr>
</tbody>
</table>

Additional options
- CEL-OPT-GPS (GPS synch.)
- CEL-OPT-IR (Infrared)
- CEL-OPT-ETH (Ethernet)

Technical information in this document is subject to change without notice. Copyright © CEL2012 May 2015