High Intensity 200,000cd white 
ICAO Type A
LED flashing obstacle light
CEL-HI-200KW-x

Key features
- Based on LED-technology
- 200,000 / 20,000 / 2,000cd effective flashing white
- 120° x 3° beam spread
- Extremely reliable - long lifetime
- Very low power consumption
- Stabilised light output
- Lightweight and small - low wind load factor
- Easy to install
- Patented
- Very low total lifetime costs
- Comes with five (5) year warranty
- Over 10 year continuous, maintenance free operating time
- Controlled by CEL LHC Light Head Controller

Specifications met

Photometric characteristics
- 200,000cd effective intensity @day mode
- 20,000cd effective intensity @twilight mode
- 2,000cd effective intensity @night mode
- Colour aviation white
- Horizontal radiation pattern 120°
- Vertical radiation pattern 3°

Electrical characteristics (with LHC)
- Flash rate: 20, 40 and 60fpm
- Flash duration: 100, 150, 200 and 250ms
- Power consumptions 312 VA @ 40fpm, 250ms
- Operating temperature range -55...+70°C
- Storage temperature range -55...+100°C
- LED supply current stabilized by constant current generator

Mechanical characteristics
- Marine grade aluminium enclosure
- Glass cover
- Degree of protection IP65
- Height 843mm, width 353mm, depth 213mm
- Height 973mm with mounting set
- Weight 27kg, including mounting set 35kg
- Mounting set -V or -W include
- Wind load @ 200km/h less than 1000N

Made in EU

Order codes:
CEL-HI-200KW-V with vertical mounting set
CEL-HI-200KW-W with wall mounting set

CEL-HI-200KW

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MECHANICAL DIMENSIONS
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VERTICAL MOUNTING SET

WALL MOUNTING SET
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INSTALLATION INSTRUCTIONS
LIGHT HEAD TERMINAL BOX CONNECTIONS

CEL HI-200KW light head is connected to light head controller, LHC, via terminal box installed close to the light head. LHC provides light head's supply voltage and flash control with separate cables which are connected to light head's terminal box.

Terminal box connection instructions and cable recommendations:

<table>
<thead>
<tr>
<th>To lamp 4x2.5 + 4x1mm²</th>
<th>Power in 3x6mm²</th>
<th>Control in CAT5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = DC+</td>
<td>br = DC+</td>
<td>or/wh = SYNC+</td>
</tr>
<tr>
<td>2 = DC-</td>
<td>bk = DC-</td>
<td>or = SYNC-</td>
</tr>
<tr>
<td>3 = NC</td>
<td>wh = NC</td>
<td>shield = PE</td>
</tr>
<tr>
<td>7 = SYNC+</td>
<td>shield = PE</td>
<td></td>
</tr>
<tr>
<td>8 = SYNC-</td>
<td></td>
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</tr>
</tbody>
</table>

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TYPICAL APPLICATION
4-LEVEL BROADCAST MAST

LEVEL 4
1 x 20,000 cd

LEVEL 3
3 x 200,000 cd

LEVEL 2
3 x 200,000 cd

LEVEL 1
3 x 200,000 cd

PHOTO CELL

TAC-A-5-04YT-E-KU-D
(4 fiber, 2 fiber in use)

TAC-A-5-04YT-E-KU-D
(4 fiber, 2 fiber in use)

CONTROL PANEL
- Time Server for synchronisation
- Lux Sensor for daylight operation
- Status collection and reporting by relay output

Com