High-Intensity 100,000cd white ICAO Type B Stand Alone LED flashing obstruction light

CEL-HI-100KW-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
- 20,000cd flashing @twilight
- 2,000cd flashing @night
- Colour aviation WHITE
- Horizontal radiation pattern 360°
- Vertical beam 3°

Specifications met
- ICAO International Standards and Recommended Practices:
    Chapter 6:
    - 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 ICAO Type B
Stand Alone LED flashing obstruction light

CEL-HI-100KW-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
- RED color 2 000cd for night time

(Order No. CEL-HI-100KWD-xxx-A)

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**Order code**  | **Output**  | **ICAO**  | **Op. volt.**  | **Pow. cons.**  | **Fault monitoring**  | **Packing dimensions**
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CEL-HI-100KW-230-A  | 100,000cd  | Type B  | 230VAC  | 260 VA  | Yes  | 800x600x400, 50kg
CEL-HI-100KW-115-A  | 100,000cd  | Type B  | 115VAC  | 260 VA  | Yes  | 800x600x400, 50kg
CEL-HI-100KWD-230-A  | 100,000cd  | Type B  | 230VAC  | 260 VA  | Yes  | 800x600x400, 50kg
CEL-HI-100KWD-115-A  | 100,000cd  | Type B  | 115VAC  | 280 VA  | Yes  | 800x600x400, 50kg

Additional options

CEI-OPT-GPS (GPS synch.)
CEI-OPT-IR (Infrared)
CEI-OPT-ETH (Ethernet)