

# High Intensity 50,000cd White ICAO - TraFi LED Aviation Obstacle Light CEL-HI-50KW-230-A

## Key features

- Based on LED-technology
- 50,000cd effective flashing white omnidirectional
- Stand alone unit with power supply, fault monitoring and day/night switch integrated
- Over 10 year continuous, maintenance free operating time
- Integrated GPS antenna for flash synchronisation as an option
- Fault monitoring is through alarm relay. Ethernet and RS-485 are available as options
- Easy to chain (Power and Master /Slave synchronisation)
- Stabilised light output
- No RF-radiations
- Dimmable down to 30% and 10%.
- Integrated infra-red (IR) light as an option
- Comes with five (5) years warranty

## Specifications met

- ICAO International Standards and Recommended Practices: Aerodromes- Annex 14 Volume 1, 5th Edition, July 2009, Chapter 6, high-intensity Type B (2 units required).
- Finnish aviation authority, TraFi, regulations

## Optical characteristics

- 50,000cd effective intensity @ day and twilight mode
- 2,000cd effective intensity @ night mode
- Colour aviation white
- Horizontal radiation pattern 360°
- Vertical radiation pattern 3°

## Electrical characteristics

- Nominal operating voltage 230 Vac, 50 ... 60Hz
- Constant power input by active PFC
- Flash rates: 20, 40 and 60fpm
- Power consumptions@ 40fpm:
  - Day mode: 16 VA
  - Night mode: 30VA
- Operating temperature range -55 ... +55°C
- Storage temperature range -55 ... +70°C
- LED supply current stabilised by constant current generator

## Mechanical characteristics

- Anodised marine grade aluminium body
- Glass cover
- Degree of protection IP65
- Height 428mm, diameter 360mm
- Mounting set horizontal
- Light unit weight 27kg

Made in EU

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CEL-HI-50KW-230-A

## Order code

**CEL-HI-50KW-230-A** 230 V<sub>AC</sub>  
(comes with horizontal mounting)

## Options (factory-installed):

- OPT-GPS-50KW-A** GPS synchronisation -including integrated antenna
- OPT-LAN-50KW-A** Ethernet interface- remote control
- OPT-IR-50KW-A** Infra-red (IR) light (wavelength at 855nm)
  - Compatible with Night Vision Goggles

## Shipping details

Dimensions: 60cm x 40cm x 40cm  
Weight: 32kg

## Recommended cables

- Data and alarm cable: CAT 7
- Power cable: 3x2.5mm<sup>2</sup>

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## MECHANICAL DIMENSIONS

