



High Intensity 200,000cd white ICAO Type A LED flashing obstacle light

CEL-HI-200-ACW-GAM

High-Intensity 200,000cd

CEL high-intensity stand-alone 200,000 cd model is used for marking tall structures such as transmission masts, chimneys and towers.

The product offers unique features such as incorporated fault monitoring, photocell, GPS synchronisation, and supports both stand-alone and Modbus operation as part of CEL aviation light system networks.

Key features

- Based on LED-technology
- 200,000cd / 20,000cd / 2,000cd effective white flashing
- 2,000cd fixed or flashing RED light version available
- Infrared 850nm - NVG optimised
- Extremely reliable - long lifetime
- Supports both stand-alone and Modbus operations
- Incorporated photocell and fault monitoring
- Easy to chain (no need for connection box)
- 5-year warranty
- Design lifetime more than 20 years

Specifications met

- ICAO International Standards and Recommended Practices:
- Aerodromes Annex 14 Volume 1, 8th Edition, 2018, Chapter 6:
- High intensity Type A. Fulfils Recommendations Section Table 6-3

Photometric characteristics

- 200,000cd effective intensity @ day mode
- 20,000cd effective intensity @ twilight mode
- 2,000cd effective intensity @ night mode
- fixed/flashing version available
- Colour aviation white and red
- Horizontal radiation pattern 120°
- Vertical radiation pattern 3°

Electrical characteristics

- Operating voltage (AC):
- Nominal 100-240VAC +/- 10%, 50HZ/60HZ +/- 6%
- (Range 90-265VAC)
- Flash rates: 20/30/40/60 fpm
- Meets standards:
 - EMC (Emissions): EN 61000-6-4
 - EMC (Immunity): EN 61000-6-2
- Power consumption for DC versions
 - 83W @ Day (WHITE, 40 fpm)
 - 15W @ Twilight (WHITE, 40 fpm)
 - 6W @ Night (WHITE, 40 fpm)
 - 8W @ Night (WHITE+IR, 40 fpm)



CEL-HI-200-ACW-GAM

Order codes:

CEL-HI-200-ACW-GAM

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F: +44 (0)20 8543 3058
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United Kingdom





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Electrical characteristics...continued

Power consumption for AC versions

- 85W @ Day (WHITE, 40 fpm)
- 17W @ Twilight (WHITE, 40 fpm)
- 7W @ Night (WHITE, 40 fpm)
- 9W @ Night (WHITE+IR, 40 fpm)
- Alarm relay output NO/NC dry contact

Additional Factory-Installed Options

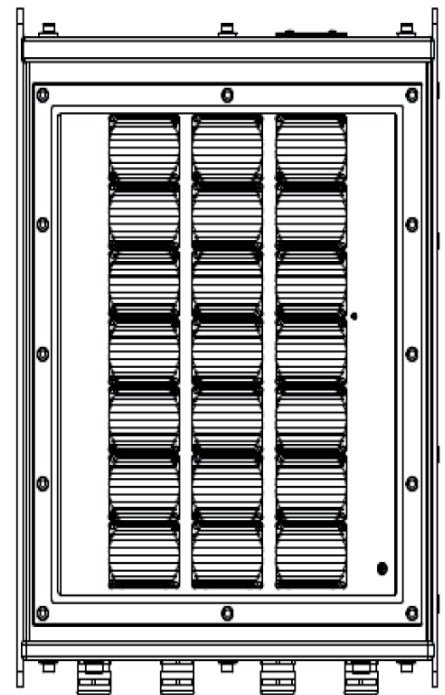
- Cold-climate version including heater (CCV)
- NVG compliant infrared (IR)
- 4 Input and 4 Output (IO)
- Ethernet Interface: 2 fiber SC multimode Female, 2 copper RJ45

Optional Controllers

- CP Series (Ethernet and ModBus, AC or DC)
- CP-M1 Series (ModBus, AC or DC)

Recommended Cables (External)

- AC Power: 3x1,5mm or 3x2,5mm
- DC Power (long distance): 3x4mm or 3x6mm
- Data: CAT 6 or 3x0,75 mm
- Alarm: 3x1,5mm or 3x2,5mm
- Power + Alarm: 6x1,5mm or 6x2,5mm



Picture shown is for illustration purpose only.

Order Code	Output (WHITE)	ICAO	Operating voltage	GPS sync.	Infrared	CCV	Photocell monitoring	Beam	Weight
CEL-HI-200-ACW-GAM-X-Y	200,000cd	TYPE A	100-240 VAC	Yes	No	No	Yes	120°	22kg
CEL-HI-200-ACW-CCVGAM-X-Y	200,000cd	TYPE A	100-240 VAC	Yes	No	Yes	Yes	120°	22kg
CEL-HI-200IR-ACW-GAM-X-Y	200,000cd	TYPE A	100-240 VAC	Yes	Yes	No	Yes	120°	22kg
CEL-HI-200IR-ACW-CCVGAM-X-Y	200,000cd	TYPE A	100-240 VAC	Yes	Yes	Yes	Yes	120°	22kg
CEL-HI-200-DC-GAM-X-Y	200,000cd	TYPE A	20-60 VAC	Yes	No	No	Yes	120°	22kg
CEL-HI-200-DC-CCVGAM-X-Y	200,000cd	TYPE A	20-60 VAC	Yes	No	Yes	Yes	120°	22kg
CEL-HI-200IR-DC-GAM-X-Y	200,000cd	TYPE A	20-60 VAC	Yes	Yes	No	Yes	120°	22kg
CEL-HI-200IR-DC-CCVGAM-X-Y	200,000cd	TYPE A	20-60 VAC	Yes	Yes	Yes	Yes	120°	22kg

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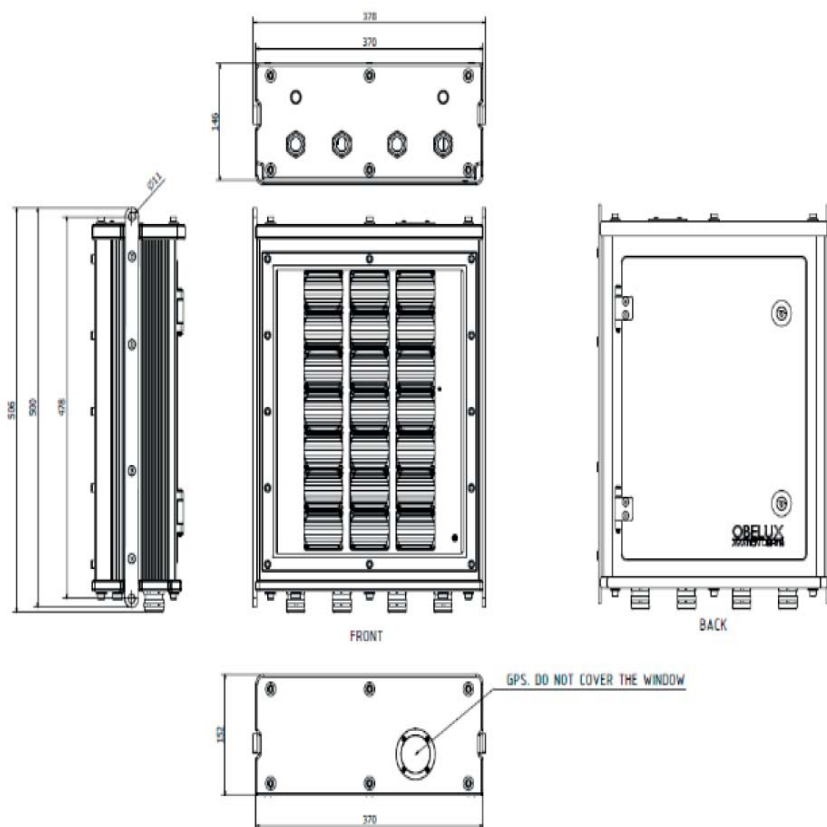
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MECHANICAL DIMENSIONS



Mechanical characteristics

- Anodized marine grade aluminium body
- Glass cover
- Degree of protection IP66
- Operating temperature range -40...+55 °C
- Height 506 mm,
- Width 378 mm
- Depth 152 mm

- Weight 22 kg
- Cable glands 4 x M25
 - Cable diameter 11 to 17 mm (includes 6-13 mm cable gland seal)
 - Easy to chain (no need for connection box)
 - 7-mm triangular lock
 - GPS and Photocell window

AVAILABLE MOUNTING SETS



Mounting Set A

Mounting set with bracket. The set includes:

- (1) 1 pc X003513 Mounting plate, H100K/H200*
- (2) 1 pc X003512 Mounting bracket, H100K/H200*
- (3) 1 pc X003512 MIR*
- (4) 10 pcs ISO 4161 - M10*
- (5) 10 pcs ISO 4017 - M10 x 25*

All parts are stainless steel.

Order Code CEL-MS-HI-A