

High-Intensity 200 000 cd Aviation Obstruction Light

ICAO High-Intensity Type A 200 000 cd
NVG Compliant Infrared 850nm Light

OBELUX
AVIATION LIGHTS

Obelux Oy, Kutomotie 6 B, 00380 Helsinki FINLAND | The information in this document is subject to change without notice. © Obelux Oy 2026

WWW.OBELUX.COM

Optical characteristics

- ▶ 200 000 cd @ Day
- ▶ 20 000 cd @ Twilight
- ▶ 2 000 cd @ Night
- ▶ Colour aviation WHITE
- ▶ Colour aviation RED for Medium intensity as an option night mode
- ▶ NVG compliant infrared (850nm) as an option
- ▶ Horizontal beam 120° or 90°
- ▶ Vertical beam > 3°



The picture shown is for illustration purposes only.

High-Intensity White 200 000 cd LED Aviation Obstruction Lights

Obelux high-intensity stand-alone 200 000 cd model is used for marking tall structures, such as wind turbines, transmission masts, chimneys, broadcast masts, etc. The product offers unique features such as incorporated fault monitoring, photocell, GPS synchronization, and it supports both stand-alone and Modbus operation as a part of Obelux aviation light system network.

Specifications met

ICAO International Standards and Recommended Practices:
Aerodromes Annex 14 Volume 1,
9th Edition, July 2022, Chapter 6:
High-intensity Type A.

Key Features

- ▶ Based on LED technology
- ▶ 200 000 cd WHITE flashing
- ▶ Supports both stand-alone and RS-485 Modbus operations
- ▶ Suitable for Offshore environment
- ▶ Built-in GPS synchronisation
- ▶ Visibility sensor interface controlled luminous output levels 10%, 30%, and 100%
- ▶ Built-in photocell and fault monitoring
- ▶ Dry contact alarm relay
- ▶ Easy to chain (no need for junction box)
- ▶ Hot start for radar-controlled systems
- ▶ Design lifetime more than 20 years
- ▶ Embedded Web Server
- ▶ 5-year warranty

High-Intensity 200 000 cd Aviation Obstruction Light

ICAO High-Intensity Type A 200 000 cd
NVG Compliant Infrared 850nm Light

OBELUX
AVIATION LIGHTS

Obelux Oy, Kutomotie 6 B, 00380 Helsinki FINLAND | The information in this document is subject to change without notice. © Obelux Oy 2026

WWW.OBELUX.COM

Electrical Characteristics

- ▶ Operating voltage (AC):
Nominal 100-240V_{AC} ±10%, 50Hz / 60Hz ± 6%
(Range 90-265V_{AC})
- ▶ Operating voltage (DC): 20-60V_{DC}
- ▶ Flash rates: 20/30/40 fpm
- ▶ Meets standards:
EMC (Emissions): EN 61000-6-4
EMC (Immunity): EN 61000-6-2
- ▶ Power consumption for DC versions
 - 73 W @ Day (WHITE, 40 fpm)
 - 15 W @ Twilight (WHITE, 40 fpm)
 - 6 W @ Night (WHITE, 40 fpm)
 - 8 W @ Night (WHITE+IR, 40 fpm)
- ▶ Power consumption for AC versions
 - 75 W @ Day (WHITE, 40 fpm)
 - 17 W @ Twilight (WHITE, 40 fpm)
 - 7 W @ Night (WHITE, 40 fpm)
 - 9 W @ Night (WHITE+IR, 40 fpm)
- ▶ Alarm relay output NO/NC dry contact
Switch voltage/current max: 50VDC / 1A, 250VAC / 10A

Additional Factory-Installed Options

- ▶ Cold-climate version including heater (CCV)
- ▶ NVG compliant infrared (IR)
- ▶ 4 x Input and 4 x Output (IO)
- ▶ Ethernet, 1 x copper RJ45 (E)
- ▶ Ethernet Switch, 2 x fiber SC multimode Female, 2 x copper RJ45 (EF)

Optional Controllers

- ▶ CP Series (Ethernet TCP/IP and RS-485 ModBus, AC or DC)
- ▶ CP-M1 Series (RS-485 ModBus, AC or DC)

Recommended Cables (Outdoor)

- ▶ AC Power: 3x1,5mm² or 3x2,5mm²
- ▶ DC Power (long distance): 3x4mm² or 3x6mm²
- ▶ Data: CAT 6 or 3x0,75 mm²
- ▶ Alarm: 3x1,5mm² or 3x2,5mm²
- ▶ Power + Alarm: 6x1,5mm² or 6x2,5mm²

Order code	ICAO	Output	Operating voltage	GPS	Infra-red	MI RED Type B/C*	CCV	Photocell and Fault monitoring	Modbus	Horizontal beam
HI-ICAO-AC-200K-GAM-X-Y	Type A	200 000 cd	100-240VAC	Yes	No	No	No	Yes	Yes	120°
HI-ICAO-AC-200K-CCVGAM-X-Y	Type A	200 000 cd	100-240VAC	Yes	No	No	Yes	Yes	Yes	120°
HI-ICAO-AC-200KIR-GAM-X-Y	Type A	200 000 cd	100-240VAC	Yes	Yes	No	No	Yes	Yes	120°
HI-ICAO-AC-200KIR-CCVGAM-X-Y	Type A	200 000 cd	100-240VAC	Yes	Yes	No	Yes	Yes	Yes	120°
HI-ICAO-DC-200K-GAM-X-Y	Type A	200 000 cd	20-60VDC	Yes	No	No	No	Yes	Yes	120°
HI-ICAO-DC-200K-CCVGAM-X-Y	Type A	200 000 cd	20-60VDC	Yes	No	No	Yes	Yes	Yes	120°
HI-ICAO-DC-200KIR-GAM-X-Y	Type A	200 000 cd	20-60VDC	Yes	Yes	No	No	Yes	Yes	120°
HI-ICAO-DC-200KIR-CCVGAM-X-Y	Type A	200 000 cd	20-60VDC	Yes	Yes	No	Yes	Yes	Yes	120°
HID-ICAO-AC-200K-2KR-GAM-X-Y	Type A	200 000 cd	100-240VAC	Yes	No	Yes	No	Yes	Yes	120°

X:

Y:

{ } = Without any extension board

IO = Including IO Interface

EF = Including Ethernet interface
(2 x fiber + 2 x copper RJ45)

E = Including Ethernet interface
(1 x copper RJ45)

{ } = Without any mounting set

A = Including mounting set A

B = Including mounting set B

* LI 32cd RED as additional option.

Products also available with 90° horizontal beam.

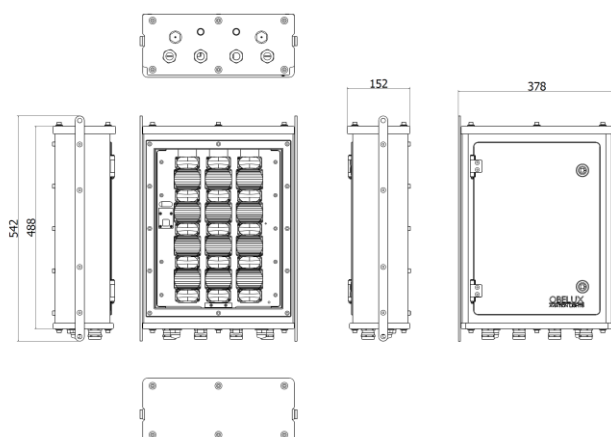
High-Intensity 200 000 cd Aviation Obstruction Light

ICAO High-Intensity Type A 200 000 cd
NVG Compliant Infrared 850nm Light

OBELUX
AVIATION LIGHTS

Obelux Oy, Kutumotie 6 B, 00380 Helsinki FINLAND | The information in this document is subject to change without notice. © Obelux Oy 2026

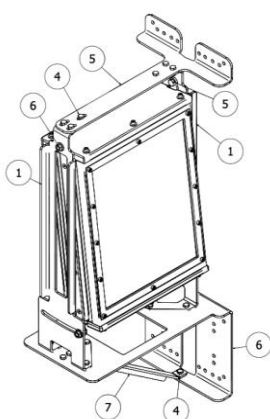
WWW.OBELUX.COM



Mechanical Characteristics

- ▶ Anodized marine grade aluminium body
- ▶ Glass cover
- ▶ Degree of protection IP66 (Ventilation IP44)
- ▶ Option all light Degree of protection IP66
- ▶ Operating temperature range -40...+70 °C
- ▶ Height 506 mm, width 378 mm, depth 152 mm
- ▶ Weight 22 kg
- ▶ 4 x M25 cable glands
- ▶ Cable diameter 11 to 17 mm (includes 6-13 mm cable gland seal)
- ▶ Easy to chain (no need for junction box)
- ▶ 7-mm triangular lock
- ▶ GPS and Photocell

Available mounting sets



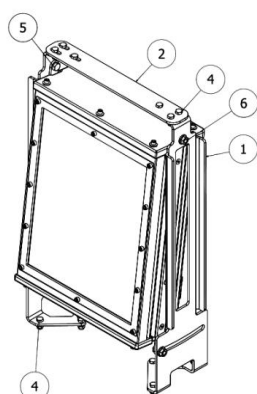
Mounting Set A

Vertical mounting set.

All parts stainless steel.

- ▶ (1) 2 pcs X003514
- ▶ (2) 1 pc X003746
- ▶ (3) 15 pcs DIN985 M8 nyloc A4
- ▶ (4) 15 pcs ISO 4017 M8 x 20 A4
- ▶ (5) 4 pcs ISO 4017 M10 x 20 A4
- ▶ (6) 4 pcs ISO 4161 M10 A4
- ▶ (7) 1pc X003739

▶ Order Code MS-HI-A



Mounting Set B (included by default in all models)

Horizontal Mounting set.

All parts stainless steel.

- ▶ (1) 2 pcs X003514
- ▶ (2) 1 pc X003746
- ▶ (3) 12 pcs DIN985 M8 nyloc A4
- ▶ (4) 12 pcs ISO 4017 M8 x 25 A4
- ▶ (5) 4 pcs ISO 4017 M10 x 25 A4
- ▶ (6) 4 pcs ISO 4161 M10 A4

▶ Order Code MS-HI-B