

MEDIUM-INTENSITY Type A+W,rot ES

ICAO MI Type A 20 000cd
BMVBS W, rot ES red

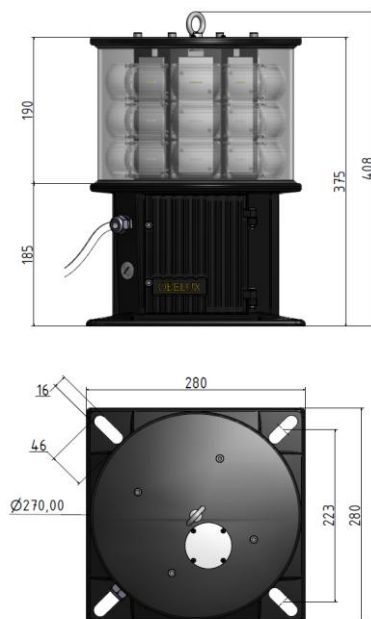
OBELUX
AVIATION LIGHTS

Obelux Oy, Kutomatie 6 B, 00380 Helsinki FINLAND | The information in this document is subject to change without notice. © Obelux Oy 2023

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Optical characteristics

- ▶ 20 000 white / 100cd red (effective) / 170cd (peak)
- ▶ Colour aviation White and RED
- ▶ Horizontal beam 360°
- ▶ W, rot ES red vertical beam
- ▶ W, rot flashing
- ▶ NVG compliant infrared (850nm)



For illustration only

Specifications met

ICAO International Standards and Recommended Practices:
Aerodromes Annex 14 Volume 1,
8th Edition, July 2018, Chapter 6:
Medium-intensity Type A

Einordnung als Feuer W, rot ES
gemäß Allgemeine
Verwaltungsvorschrift zur
Kennzeichnung von
Luftfahrthindernissen vom 24.4.2020
Infrarot-Feuer und Feuer (IR-Feuer)
l_{emin} = 3 mW/sr, ≥+5°...≤+90°
l_{emin} = 25 mW/sr, ≥0°...≤+5°
l_{emax} = 60 mW/sr, -90°...+90°

Medium-Intensity White 20 000cd and Red W, rot ES stand-alone Series for the German market LED Aviation Obstruction Lights

Obelux medium-intensity stand-alone 20 000cd White and W, rot ES Red model is designed for wind turbines. The product offers unique features such as incorporated fault monitoring, photocell, GPS synchronization. Serial RS-485 and Ethernet interfaces as an option.

Key Features

- ▶ Based on LED technology
- ▶ 20 000 cd (effective) WHITE flashing and RED W, rot flashing
- ▶ Suitable for Offshore environment
- ▶ Incorporated GPS synchronisation as an option
- ▶ Adjustable luminous output levels 10%, 30%, and 100%
- ▶ Incorporated photocell and fault monitoring
- ▶ Design lifetime more than 20 years
- ▶ 5 year warranty- the longest in the industry

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Electrical Characteristics

- ▶ Operating voltage 90-265V_{AC}
 - ▶ Flash rates: 20/30/40/60 fpm
 - ▶ Meets standards
EMC (Emissions): EN 61000-6-4
EMC (Immunity): EN 61000-6-2
 - ▶ Power consumption for typical use
 - 19W @ Day (WHITE, 40 fpm)
 - Less than 10W @ Night (W, rot ES)
- (Flash pulse length in day and twilight mode is 100ms.)
- ▶ Recommended cables (Outdoor):
 - Power (L-N-PE): 3x1,5mm² or 3x2,5mm²
 - Data: CAT 6
 - Alarm: CAT 6, 3x1,5mm² or 3x2,5mm²
 - Power + Alarm: 6x1,5mm² or 6x2,5mm²
 - ▶ Terminals can be used to distribute power and data to another light head (6 core cable must be used).

Mechanical Characteristics

- ▶ Painted marine grade aluminium body (C5MHigh)
- ▶ Glass cover
- ▶ Degree of protection IP66
- ▶ Operating temperature range -40...+55 °C
- ▶ Mounting 240x240mm, ϕ 17mm
- ▶ Height 408 mm, diameter 270 mm
- ▶ Weight 14 kg

Additional Factory-Installed Options

- ▶ NVG compliant infrared (IR)
(product code: MIWES-ACWIRGAM)

Order code	Output	ICAO	Op. volt.	GPS synch	Infrared	Photocell and Fault monitoring	Packing dimensions
MIWES-ACWGAM	20 000cd	Type A+W,rot ES	90-265VAC	Yes	No	Yes	470x340x330, 16kg
MIWES-ACWIRGAM	20 000cd	Type A+W,rot ES	90-265VAC	Yes	Yes	Yes	470x340x330, 16kg