

AES-OBS-07 | Low Intensity Obstruction Light TYPE B



COMPLIANCE:

- ICAO Annex 14, Vol I
- FAA AC 150/5345-43 L-810
- EASA CS-ADR-DNS

BOARDING TIME

BOARDING PASS

NAME OF PASSANGER

FROM:

TO:

DATE FLIGHT
 GAES2020

GATE SEAT
23 21B

GATE CLOSSES 30 MINUTES BEFORE DEPARTURE

GAES 454843121451100

BOARDING PASS

Uses

Obstruction light. Can be used successfully in various applications in different fields

Features

- Designed and built with simplicity and ease of maintenance in mind.
- It is used to mark air obstacles such as towers, buildings, antennas.
- High power LED technology in 100.000 hours estimated lifetime.
- Lightweight, low-energy and environment friendly lighting fitting.
- Extensive use of aluminium alloys reduces fittings weight and eases handling in the field.
- Stainless steel fasteners.
- Light fixtures are provided with anti condensation valve.

Technical Specifications

HOUSING MATERIAL	Powder-coated aluminium
LIGHT DIFFUSER	Clear polycarbonate
CASING COLOR	Standard: AVIATION YELLOW (RAL 1004)
POWER SUPPLY	Standard: 110-230 V AC 12V, 24V or 48V DC
LIGHT INTENSITY	> 32cd
LIGHT COLOR	Red
POWER CONSUMPTION	4.5W
NUMBER OF LEDs	3

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Order Code

AES - OBS - 07 - XXX

Series Indicator

Airfield Lighting

Category

Obstruction Lighting

Product Indicator

05 = Low Intensity Obstruction Lighting type A Single
 06 = Low Intensity Obstruction Lighting type A Double
 07 = Low Intensity Obstruction Lighting type B Single
 16 = Low Intensity Obstruction Lighting type B Double

LEDs Light color

230 = Power supply: 100-230 V AC 012 = Power Supply 12 V DC
 048 = Power Supply 48 V DC 700 = Power Supply: constant current
 024 = Power Supply 24 V DC 700 mA from a controller

Operating environment

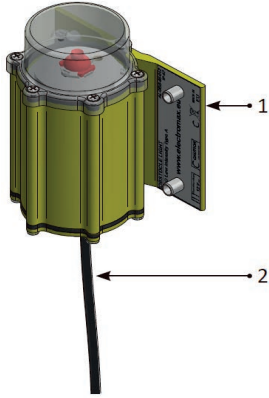
- Rated operating temperature from -55°C up to +55°C.
- The ingress protection rating is IP67.
- The impact protection rating is IK10.

Electrical Characteristics

- Power supply 110-230V AC
- 12V DC, 24V DC sau 48V DC.
- Power consumption: 4,5W

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Electrical Connections

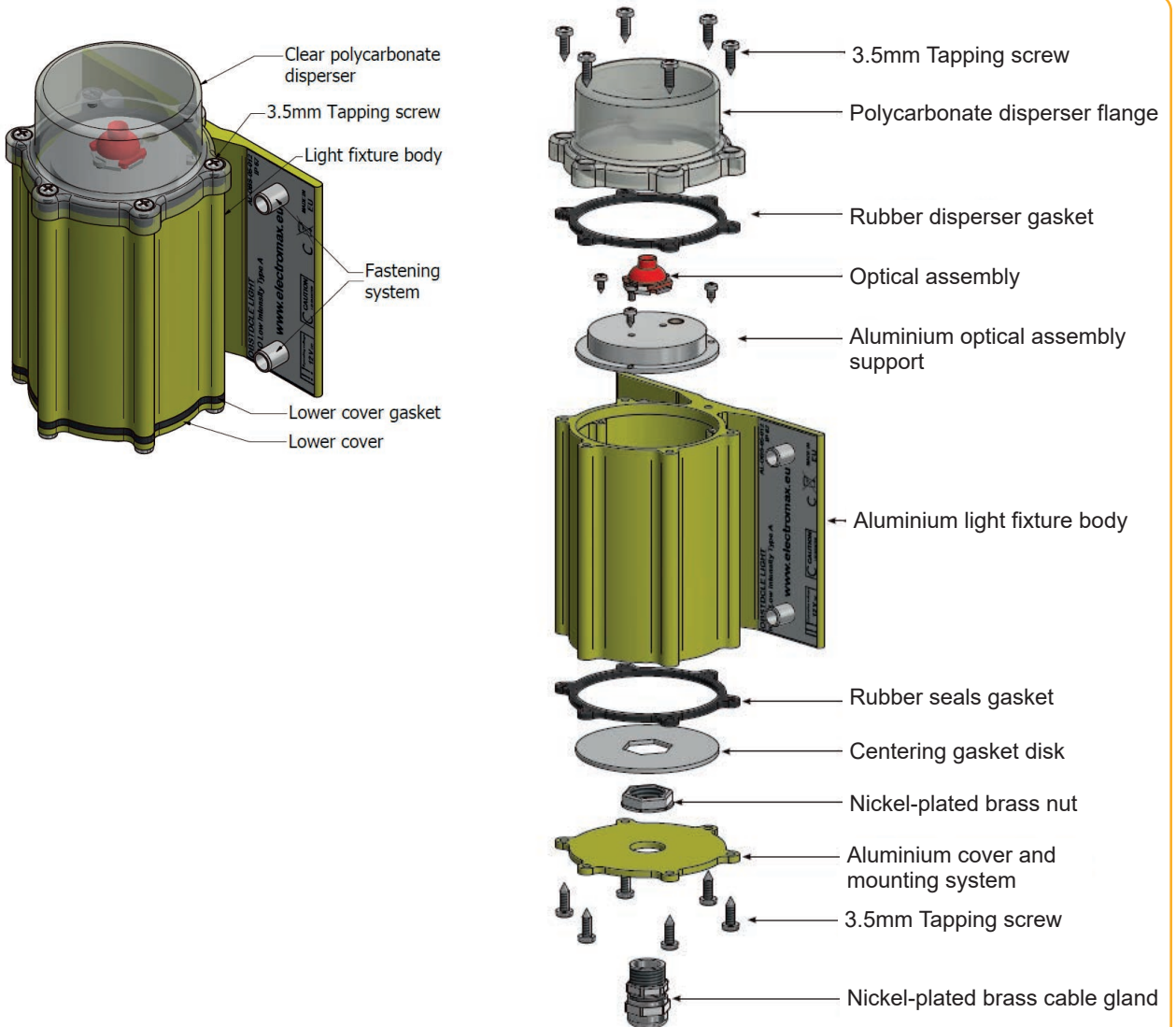


1. Light Fixture
2. Cable - 2m

Types of power supply:

- Low intensity obstruction light:
 - 230V AC power supply - 3 core cable
 - 12V DC, 24V DC, 48V DC power supply - 2 core cable
 - 700mA power supply - 2 core cable

Structure

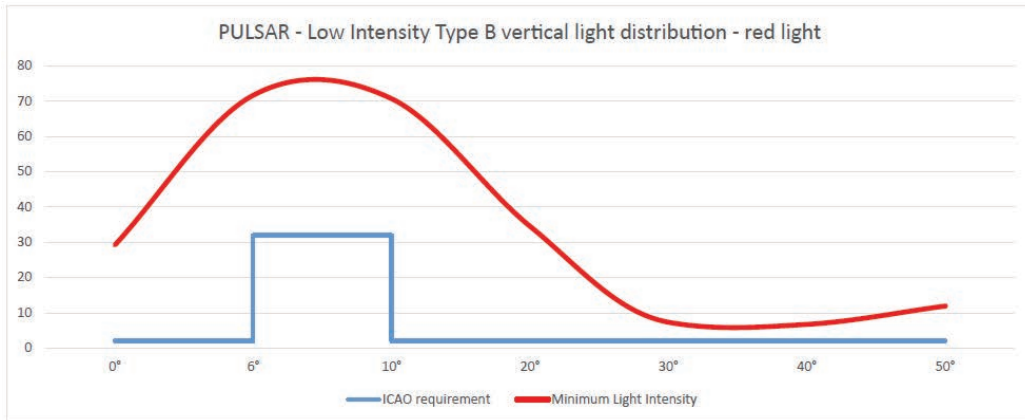


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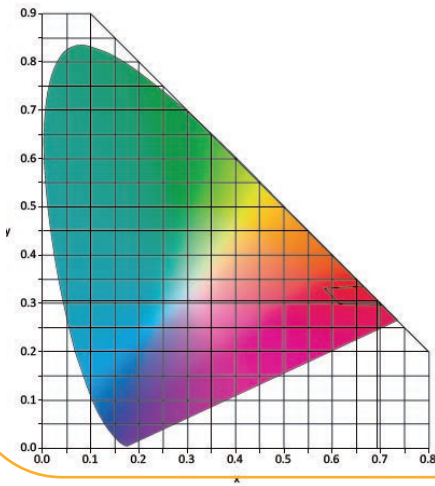
Photometric Characteristics

Vertical elevation angle	0°	6°	10°	20°	30°	40°	50°
Required minimum intensity (cd)	Visible enough	>32	>32	Visible enough	Visible enough	Visible enough	Visible enough
Measured minimum intensity (cd)	29.2	71.7	70.7	34.5	7.30	6.70	11.9

The brightness intensity values complies with: ICAO requirements Annex 14 Vol. I Table 6.3



The light colour emitted by the light fixture is red, with the trichromatic coordinates:



x=0,698
y=0,302
z=0,000

The measured trichromatic coordinates correspond to colour range requirements in:
ICAO Annex 14 - Aerodromes Vol. I, fig. A1-1-1b
Colours for aeronautical ground lights (solid state lighting)

Weight and Dimensions

Length - Width	130mm / 93mm
Total height	160 mm
Weight	1.3 kg

