

AES-OBS-21 | Medium Intensity Obstruction Light TYPE C DOUBLE



Horizontal flat surface

COMPLIANCE:

- ICAO Annex 14, Vol I
- FAA AC 150/5345-43 L-864
- EASA CS-ADR-DSN

BOARDING TIME

BOARDING PASS

GATE CLOSSES 30 MINUTES BEFORE DEPARTURE

GAES 454843121451100

BOARDING PASS	
NAME OF PASSANGER	
FROM:	
TO:	
DATE	FLIGHT GAES2020
GATE 23	SEAT 21B

GOMINTEC BOARDING PASS GOMINTEC

Uses

Marking of aerial obstacles, such as: towers, buildings, antennas, for airports CAT I, II y III, compliance to ICAO Fig A1-1-1B.

Features

- The light fixtures are equipped with two independent LED circuits, light sensor, monitoring system redundancy and alarm. The fixtures can work as stand alone but when there are a group of fixtures it is recommended that these light fixtures to be used with a controller. Light fixtures are provided with anti condensation valve.
- Designed and built with simplicity and ease of maintenance in mind.
- High power LED technology
- Lightweight, low-energy and environment friendly lighting fitting.
- Extensive use of aluminium alloys reduces fitting weight and eases handling in the field.
- Housing made with powder-coated aluminium, RAL 1004 (aviation yellow color) and RAL 9006 (grey).
- Clear polycarbonate disperser.
- Stainless steel fasteners and nickel-plated brass cable gland.

Specifications

- Index Protection: IP 67
- Temperature range: -55° to +55°C

	Type C Double
Max. power	35W
Max. power consumption	15Wh
Power supply	100 - 230V AC 48V DC; 24V DC; 12V DC or controller

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Order Code

AES - OBS - 21 - XXX

Type *AL = Series Indicator (Airfield Lighting)*

Category *Obstruction lighting*

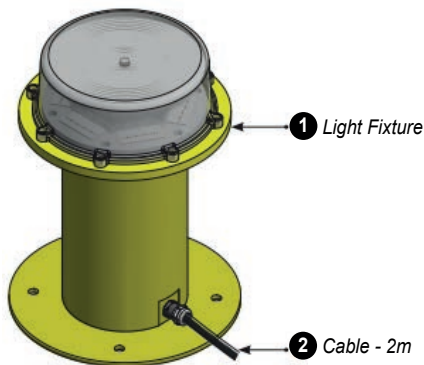
Product Indicator

- 12 - Medium Intensity Obstruction Lighting type A Single
- 13 - Medium Intensity Obstruction Lighting type B Single
- 14 - Medium Intensity Obstruction Lighting type C Single
- 15 - Medium Intensity Obstruction Lighting type A/C Double
- 20 - Medium Intensity Obstruction Lighting type B Double (Twin)
- 21 - Medium Intensity Obstruction Lighting type C Double (Twin)

Power Supply

- 230 = Power supply: 100 - 230V AC
- 048 = Power supply: 48V DC
- 024 = Power supply: 24V DC
- 012 = Power supply: 12V DC

Electrical Connections



Stand alone fixture:

- Power supply:
 - 230V AC** power supply - 3 core cable
 - 12V DC** power supply - 2 core cable
 - 24V DC** power supply - 2 core cable
 - 48V DC** power supply - 2 core cable
- A second cable for alarm and redundancy

Power supply from controller:

- 6 core cable

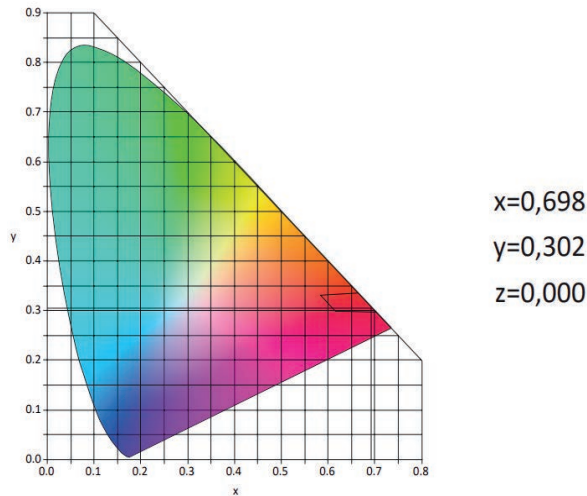
Photometry

AES - Medium Intensity Light Intensity

Tested Product	Light intensity (cd)			Light intensity (cd) Vertical elevation -1°		Vertical beam spread		Frequency	
	Prescribed	Measure		Prescribed	Measured	Prescribed	Measured	Prescribed	Measured
		max	min						
Type C	2000 ± 25%	2438	1670	min 50% (1000cd) max 75% (1500cd)	1189	min 3°	3,18°	-	-

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

Red light colour emitted by the light fixture,
with the trichromatic coordinates:



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)



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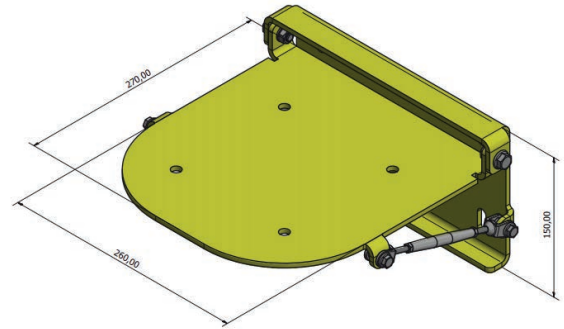
	Type C
CODE	AES-OBS-21-XXX
LIGHT COLOR	RED
SIGNAL TYPE	FIXED - STEADY
PEAK INTENSITY	2000cd ±25%
TWILIGHT SENSOR	Yes

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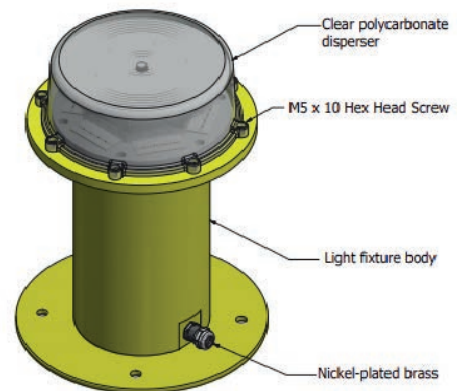
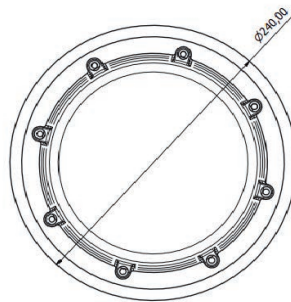
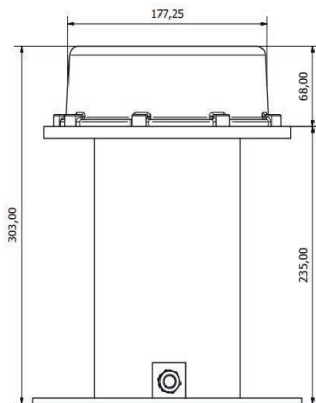
Accessories

Wall or pipe fastening system - powder-coated aluminium:

RAL 1004	Aviation yellow	
RAL 9006	Grey	



Dimensions



Weight and Dimensions

• Max. Diameter	240mm
• Total height	303mm
• Max. Weight	6.4 kg