

AES-OBS-15 | Medium Intensity Obstruction Light TYPE A/C



COMPLIANCE:

- ICAO Annex 14, Vol I
- FAA AC 150/5345-43 L-865
- EASA CS-ADR-DSN

BOARDING TIME

BOARDING PASS

GATE CLOSING 30 MINUTES BEFORE DEPARTURE

GAES 454843121451100

GOMINTEC BOARDING PASS

NAME OF PASSANGER

FROM:

TO:

DATE FLIGHT GAES2020

GATE SEAT
23 21B

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

- 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. Clear polycarbonate disperser.
- Light fixtures are provided with anti condensation valve.
- Stainless steel fasteners and nickel-plated brass cable gland.

Specifications

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

	Type A/C
Max. power	220W
Max. power consumption	110Wh / 35Wh
Power supply	100 - 230V AC 48V DC; 24V DC; 12V DC

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Order Code

AES - OBS - 15 - XXX

Type *AL = Series Indicator (Airfield Lighting)*

Category *Obstruction lighting*

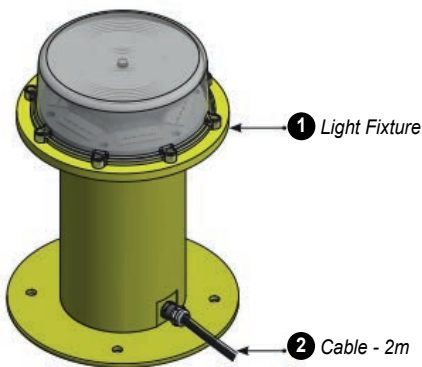
Product Indicator

- 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



Types of power supply:

- Medium intensity obstruction light - Simple:
 - 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

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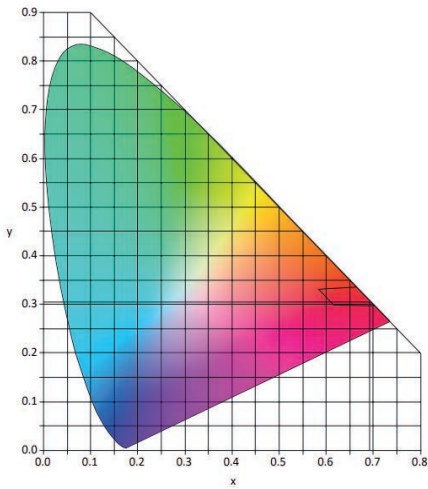
Photometry

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°	-	-

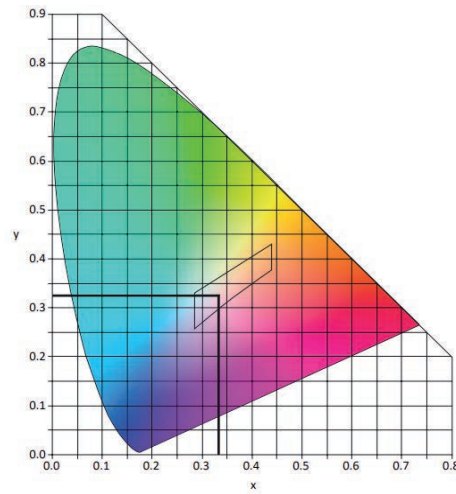
The brightness intensity values complies with ICAO requirements Annex 14 Vol. I Table 6.3

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



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

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



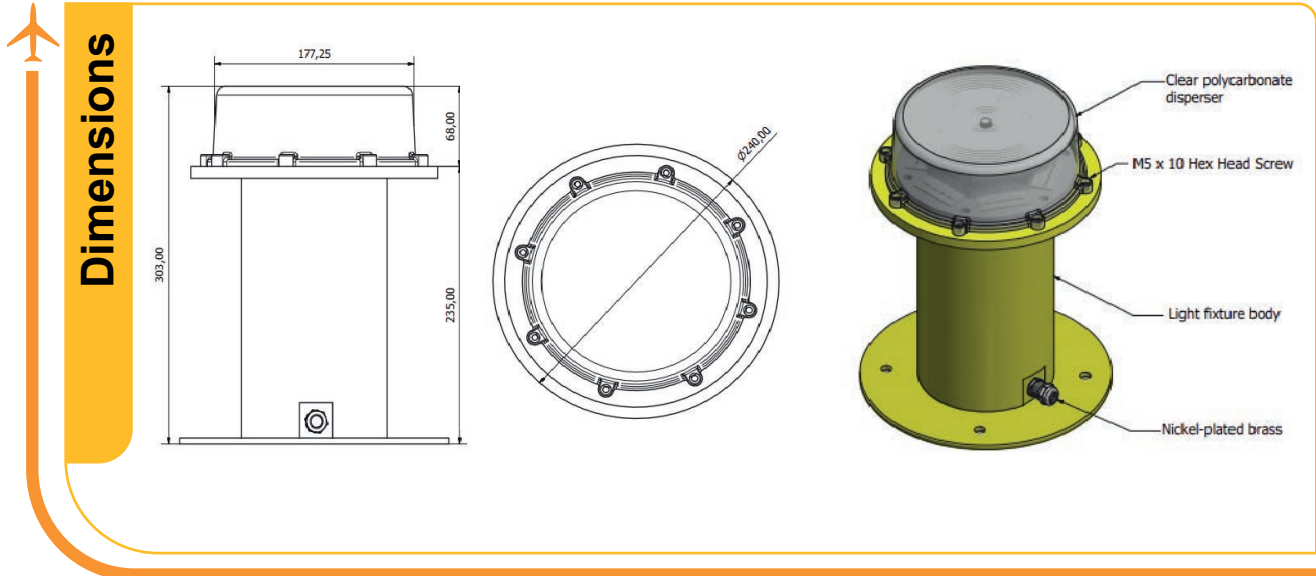
x=0,327
y=0,338
z=0,335

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)**

AES - Medium Intensity Obstruction Lighting Configuration

	Type A	Type C
CODE	AES-OBS-12-XXX	AES-OBS-14-XXX
LIGHT COLOR	WHITE	RED
SIGNAL TYPE	FLASHING	FIXED
VERTICAL BEA, SPREAD	3°	3°
PEAK INTENSITY	20000cd ±25%	2000cd ±25%
LEDs NUMBER	60	24
TWILIGHT SENSOR	Yes	Yes

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