



QUASAR

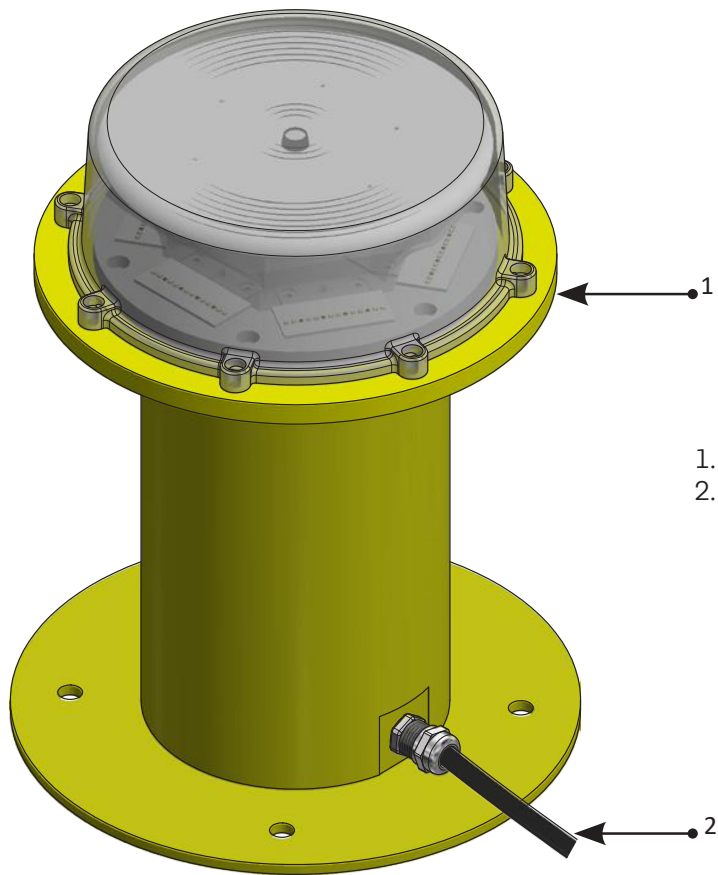


Compliance to standards	<p>ICAO: International Civil Aviation Organization, Aerodromes, Annex 14, Vol. 1 - Aerodrome Design and Operations, Paragraph 6</p> <p>Romania CAA (Romanian Civil Aeronautical Authority): -Type B - No. 9525 from 10.04.2017 -Type C - No. 5836 from 10.04.2017</p>
Application	<p>Marking of aerial obstacles, such as: towers, buildings, antennas</p>
Features	<p>Designed and built with simplicity and ease of maintenance in mind. High power LED technology in 100000 hours estimated lifetime. Lightweight, low-energy and environment friendly lighting fitting. Extensive use of aluminium alloys reduces fitting weight and eases handling in the field.</p>
Product Code	<p>AL - OBS - 15 - XXX</p> <p>Series Indicator (Airfield Lighting) AL Category(Obstruction Lighting) OBS Product Indicator 15 Power Supply XXX</p> <p>230 - Power Supply: 100-230 VAC 048 - Power Supply: 48 VDC 024 - Power Supply: 24 VDC 012 - Power Supply: 12 VDC</p>

<p>Description</p>	<p>Housing - Powder coated aluminium RAL 1004 (aviation yellow) Dispenser - clear polycarbonate Cable gland - nickel plated brass Fasteners - stainless steel</p> <p>Light fixtures are provided with anti condensation valve.</p> 
<p>Environment</p>	<p>Temperature range: - 55° to +55° Degree of protection: IP 67</p>
<p>Mounting</p>	<p>Horizontal flat surface</p> 

Electrical Characteristics

	Type A	Type B	Type C	Type A/C
Max power	220W	35W	35 W	220 W
Max power consumption	110Wh	15Wh	35Wh	110Wh/35Wh
Power supply	Power Supply: 100-230 V AC Power Supply: 48 V DC; 24 V DC; 12 V DC			



- 1. Light Flixture
- 2. Cable 2m

Types of power supply:

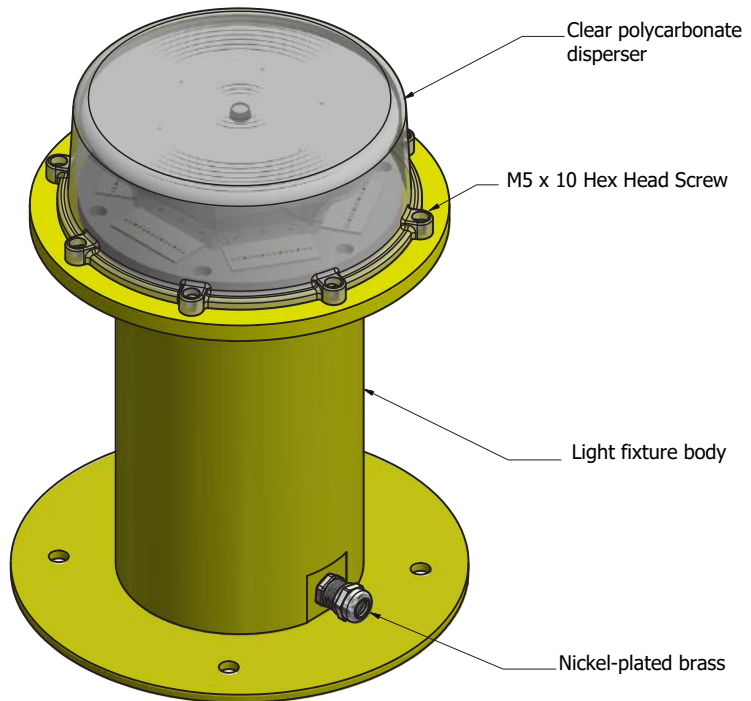
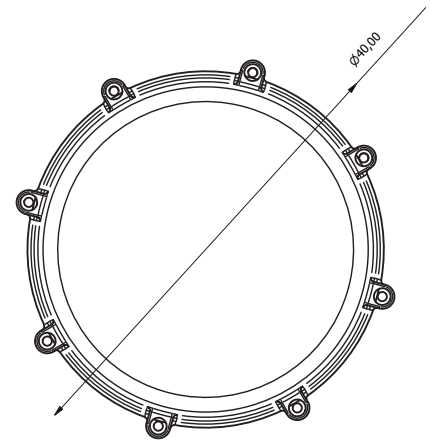
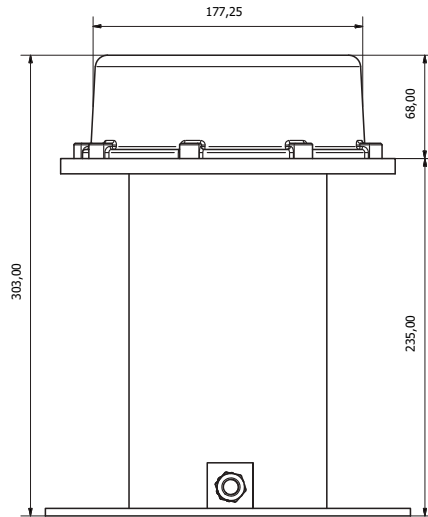
- Medium intensity obstruction light - Simple:
 - 230V AC** power supply - 3 core cable
 - 12V DC** power supply - 2 core cable
 - 24V DC** power supply - 2 core cable
 - 48V DC** power supply - 2 core cable

Mechanical Characteristics

Diameter: 240 mm

Total height: 303 mm

Weight: 6.4 kg

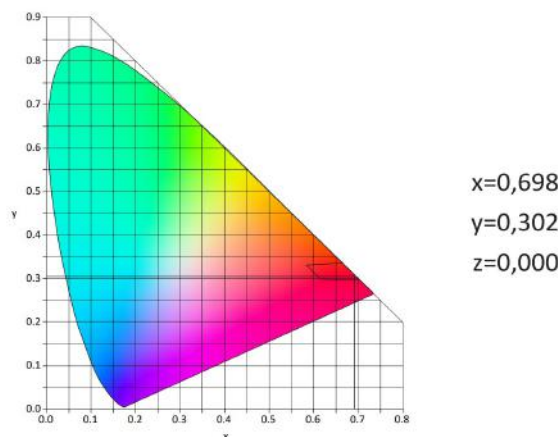


Photometric Characteristics

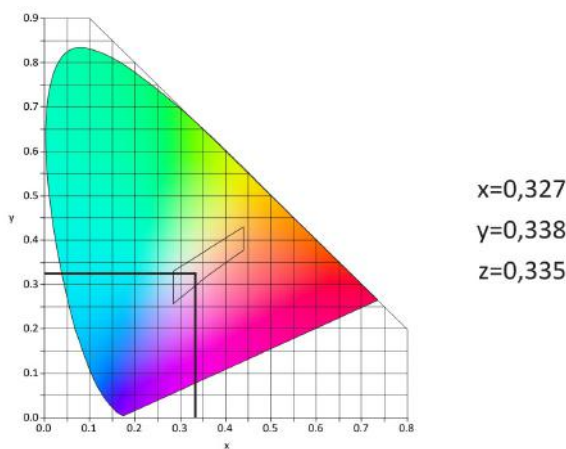
Tested Product	Light intensity [cd]			Light intensity [cd] Vertical elevation -1°		Vertical beam spread		Frequency	
	Prescribed	Measured		Prescribed	Measured	Prescribed	Measured	Prescribed	Measured
		max	min						
Type B	2000 ±25%	2478	1665	min 50% (1000 cd) max 75% (1500 cd)	1163	min 3°	3,11 ⁰	20-60 fpm	50
Type C	2000 ±25%	2438	1670	min 50% (1000 cd) max 75% (1500 cd)	1189	min 3°	3,18 ⁰	-	-

The brightness intensity values complies with:
ICAO requirements Annex 14 Vol.1 table.6-3

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



White 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.1, fig, A1-1-1b.
Colours for aeronautical ground lights (solid state lighting)**

Photometric Characteristics

	Type A	Type B	Type C
CODE	AL-OBS-12-XXX	AL-OBS-13-XXX	AL-OBS-14-XXX
LIGHT COLOR	White	Red	Red
SIGNAL TYPE	Flashing	Flashing	Fixed
VERTICAL BEAM SPREAD	30°	30°	30°
PEAK INTENSITY	20 000 cd ± 25%	2 000 cd ± 25%	2 000 cd ± 25%
LEDs NUMBER	60	24	24
TWILIGHT SENSOR	Yes		

Options

GPS: ensures the synchronization of flashing sequences between all obstruction lights.

PHOTOCELL: acts as a switch between day mode and night mode, depending on ambient light.



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