Photovoltaic Energy L.L.C
ايكوسولاريس للطاقة الكهروضوئية ذ.م.م
Canal Highs 4001, Dubai, United Arab Emirates · P.O. Box 25314
Tel: +971 58 511 8662 · Toll-free: 800 00813
contact@ecosolaris.ae · www.ecosolaris.ae

TECHNICAL DATASHEET · OBSTRUCTION LIGHTING · MEDIUM INTENSITY TYPE C DOUBLE (TWIN)

Quasar Type C Double (Twin) – Medium-Intensity Obstruction Light

EcoSolaris code **ECO-AL-404** | Ordering code **AL-OBS-21-XXX** | **Made in Romania** Manufactured in the EU





Quasar Type C Double (Twin) is a medium-intensity LED obstruction light emitting fixed red light for night-time obstacle marking (2,000 cd), used to mark towers, buildings, antennas and wind turbines. It is the double (Twin) version of the Quasar Type C. It runs on 100–230 V AC or 48/24 V DC, is IP67-rated and operates from -55 °C to +55 °C.

PRODUCT CODE	TYPE
AL-OBS-21-XXX	**Medium intensity Type C Double (Twin)**
LIGHT COLOUR	SIGNAL TYPE
Red	**Fixed**

Price on request | **EcoSolaris technical support · Dubai**

Technical specifications

Product code	AL-OBS-21-XXX
Type	Medium intensity Type C Double (Twin)
Light colour	Red
Signal type	Fixed
Light intensity	Night: 2,000 cd ±25%
Vertical beam spread	Minimum 3° (ICAO requirement)
Horizontal dispersion	360°
Power supply	100–230 V AC; 48 V DC; 24 V DC
Cable	2 m (3-core for 230 V AC; 2-core for 48/24 V DC)
Electrical insulation class	I
Estimated lifetime	100,000 h
Temperature range	-55 °C to +55 °C
Degree of protection	IP67
Mounting	Horizontal flat surface or vertical surface (with AL-128-AX bracket)

Features

- High-power LEDs with purpose-designed reflector, estimated lifetime of 100,000 hours
- 360° horizontal dispersion
- Stable light, unaffected by voltage variations
- Extruded aluminium housing for effective thermal management
- Built-in anti-condensation valve
- Options: GPS synchronisation, photocell, infrared (NVG) and Bluetooth

Standards and compliance

- ICAO Annex 14, Vol. I – Aerodrome Design and Operations, Chapter 6, Table 6-3
- Chromaticity within ICAO Annex 14, Vol. I, Fig. A1-1b (solid-state aeronautical ground lights)

Materials and construction

- Housing: powder coated aluminium, RAL 1004 (aviation yellow)
- Disperser: hardened glass or clear polycarbonate
- Cable gland: nickel-plated brass
- Fasteners: stainless steel

Configuration options

- Power supply: 100–230 V AC, 48 V DC or 24 V DC
- Disperser: hardened glass or clear polycarbonate
- GPS: synchronises flashing sequences across all obstruction lights
- Photocell: automatic switching between day and night mode
- Infrared: light invisible to the human eye, detectable with night vision goggles (NVG)
- Bluetooth: monitoring and control from a smartphone or tablet
- Cable length: 2 m

Ordering code structure

AL - OBS - 21 - XXX

AL	Airfield lighting series
OBS	Obstruction lighting category
21	Medium intensity Type C Double (Twin)
230	Power supply 100–230 V AC
048	Power supply 48 V DC
024	Power supply 24 V DC
PE	Photocell (optional)
IR	NVG / infrared (optional)
BT	Bluetooth (optional)

Compatible accessories

AL-128-AX	Wall mounting bracket with tilt adjustment

Applications

Towers and masts · **Tall buildings** · **Antennas** · **Wind turbines**