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TECHNICAL DATASHEET · HELIPORT LIGHTING · FLAT LIGHT · BLUE

Flat Taxiway Heliport Light

EcoSolaris code **ECO-AL-318** | Ordering code **AL-072-03-BL-F** | **Made in Romania** Manufactured in the EU





Very low-profile flat LED light that marks helicopter taxi routes in blue between the landing area and hangars or parking stands. Intended for elevated heliports where cabling is connected beneath the deck.

ORDERING CODE	APPLICATION
AL-072-03-BL-F	**heliport taxiway lights**
LIGHT COLOUR	POWER CONSUMPTION
Blue	**3.15 W**

Price on request | EcoSolaris technical support · Dubai

Technical specifications

Ordering code	AL-072-03-BL-F
Application	heliport taxiway lights
Light colour	Blue
Power consumption	3.15 W
48 VDC supply	from controller, dimmable 100%, 30%, 10%
Mains supply	90–230 V, 50/60 Hz, non-dimmable
Constant-current supply	1.4 A CC, dimmable 100%, 30%, 10% (internal bypass + SPD)
Horizontal output	360°
Intensity 0°–6° (required / measured)	min. 2 cd / 4.3 cd
Intensity above 6° (required / measured)	min. 0.2 cd / 10.6 cd
Chromaticity coordinates	x = 0.135; y = 0.056
Diameter	200 mm
Height	23.26 mm without cable gland / 44 mm with cable gland
Weight	1.5 kg
Degree of protection	IP68
Operating temperature	-55 °C to +55 °C
Humidity	0–100%
Estimated LED lifetime	100,000 h
Mounting surfaces	any hard flat surface: concrete, asphalt, metal structures
Electrical connection	pre-cabled fixture + metallic junction box AL-139-AX

Features

- Very low profile – no obstacle for helicopter wheels
- High-power LEDs with an estimated lifetime of 100,000 hours
- Three intensity steps (100%, 30%, 10%) with 48 VDC or 1.4 A CC supply
- Designed for simplicity and ease of maintenance
- Lightweight, low-energy and environmentally friendly fitting
- Aluminium alloys reduce weight and ease handling in the field

Standards and compliance

- ICAO Annex 14, Volume I – Aerodromes (design and operations)
- ICAO Annex 14, Volume II – Heliports
- IEC TS 61827 – Electrical installations for lighting and beaconing of aerodromes; characteristics of inset and elevated luminaires used on aerodromes and heliports
- Salt mist tested (Ka test) according to IEC 60068-2-11 and IEC 60068-2-25
- Chromaticity coordinates within the colour range required by ICAO Annex 14, Vol. I, fig. A1-1b (solid-state aeronautical ground lights)

Materials and construction

- Housing in powder-coated aluminium, RAL 1004 (aviation yellow)
- Hardened glass disperser
- Disperser flange – nickel-plated ring
- Nickel-plated brass cable gland
- Stainless steel fasteners
- Anti-condensation valve
- UV protected

Configuration options

- Power supply: 48 VDC from controller (dimmable 100%, 30%, 10%), 48 VDC non-dimmable or 110–230 VAC, 50/60 Hz non-dimmable
- Cable length: 1 m or 2 m
- Cable gland: chrome-plated, stainless steel or plastic
- Case: standard or with a case under the flat light connected by a short cable
- Electrical junction box: none, with simple terminals, or with terminals + varistor + fuse
- Snow plug protection: optional

Ordering code structure

AL - 072 - 03 - BL - F

AL	Series indicator (airfield lighting)
072	Product indicator (Flat Taxiway)
03	Number of LEDs: 3
BL	Light colour: blue
F	Surface-mounting fixture

Compatible accessories

AL-139-AX	Metallic electrical junction box

Applications

Helicopter taxiways on heliports · **Routes between the landing area and hangars or parking stands** · **Elevated heliports (hospitals, high-rise buildings)** · **Offshore and industrial platforms**