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TECHNICAL DATASHEET · HELIPORT LIGHTING · SURFACE-MOUNTED FLAT LIGHT · BLUE

Flat Taxiway FD Heliport Light

EcoSolaris code **ECO-AL-1038** | Ordering code **AL-072-03-BL-F** | **Made in Romania** Manufactured in the EU





FD version of the Flat Taxiway light, with an integrated junction box and cables protected in aluminium profiles on top of the deck. Designed for existing heliports with solid decks where drilling for cable routes is not possible.

ORDERING CODE	APPLICATION
AL-072-03-BL-FD	**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-FD
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
Dimensions (L × W × H)	405 × 200 × 25 mm
Weight	2.5 kg
Cable protection	aluminium profile AL-119-AX, 2.2 kg/m
Fixing	M10 welded bolts or M10 threaded holes in the metal platform
Degree of protection	IP68
Operating temperature	-55 °C to +55 °C
Humidity	0–100%
Estimated LED lifetime	100,000 h
Electrical connection	inside the housing, gel-filled junction box (code 201-2593)

Features

- FD version: cables run on the surface inside aluminium protection profiles – no drilling of the deck for cable routes
- Electrical connections inside the housing in a gel-filled junction box (code 201-2593)
- 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

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 - FD

AL	Series indicator (airfield lighting)
072	Product indicator (Flat Taxiway)
03	Number of LEDs: 3
BL	Light colour: blue
FD	Surface-mounting fixture with integrated junction box and cable protected in an aluminium profile

Compatible accessories

AL-119-AX	Aluminium cable protection profile (2.2 kg/m)

Applications

Helicopter taxiways on heliports · **Routes between the landing area and hangars or parking stands** · **Existing solid decks where drilling is not possible** · **Metal heliport decks and offshore platforms**