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 · HELIPORT LIGHTING · FLOODLIGHT

Floodlight 60W for Heliports

EcoSolaris code **ECO-AL-327** | Ordering code **AL-074-18-WH** | **Made in Romania** Manufactured in the EU







60 W LED floodlight with anti-glare visor and stainless steel vertical adjustment system, for illuminating larger heliport surfaces. It delivers 6658 lm at 116 lm/W.

ORDERING CODE	POWER CONSUMPTION
AL-074-18-WH	**60 W**
POWER SUPPLY	INTENSITY LEVELS (WITH CONTROLLER)
90–230 V, 50/60 Hz, non-dimmable	**100%, 30%, 10%**

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

Technical specifications

Ordering code	AL-074-18-WH
Power consumption	60 W
Power supply	90–230 V, 50/60 Hz, non-dimmable
Intensity levels (with controller)	100%, 30%, 10%
Light colour	cool white
Fixture luminous flux	6658 lm
Fixture luminous efficacy	116 lm/W
LED efficacy	min. 145 lm/W (cool white)
Optical distribution	symmetrical, 23° viewing angle
Degree of protection	IP66
Operating temperature	-55 °C to +55 °C
Dimensions	352 × 260 × 245 mm
Weight	4.25 kg
Mounting	base plate, shallow base or 8” IEC shallow base with adapter ring
Electrical connection	pre-cabled with 0.5 m cable; optional IP68 junction box AL-107-AX
Chromaticity coordinates	x = 0.327; y = 0.338

Features

- High-power LED technology, 116 lm/W efficacy
- Anti-glare visor shields the pilot from direct light
- Symmetrical 23° optics; other optics available on request
- Stainless steel vertical adjustment system for precise beam aiming
- 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

Materials and construction

- Housing in powder-coated aluminium, RAL 1004 (aviation yellow)
- Anti-glare visor in powder-coated aluminium, RAL 1004
- 3 mm clear polycarbonate diffuser
- Cable gland with anti-condensation valve
- Stainless steel fastening system
- Stainless steel vertical adjustment system
- 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
- Electrical junction box: none, with simple terminals, or with terminals + varistor + fuse
- LED type: white, white + IR or IR (infrared)

Ordering code structure

AL - 074 - 18 - WH

AL	Series indicator (airfield lighting)
074	Product indicator (heliport floodlight)
18	LEDs number indicator
WH	Light colour: cool white

Compatible accessories

AL-104-AX	Standard Φ160 mm shallow base
AL-105-AX	Adapter ring for 8” shallow base
AL-106-AX	Φ160 mm surface-mounted base
AL-107-AX	IP68 electrical junction box
AL-108-AX	Φ160 mm shallow base installation jig

Applications

Floodlighting of heliport TLOF and FATO surfaces · **Illumination of heliport deck markings** · **Heliports on hospitals, high-rise buildings and industrial platforms** · **Ground-level landing pads**