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TECHNICAL DATASHEET · AIRPORT & HELIPORT · WINDSOCK

Wind Direction Indicator

EcoSolaris code **ECO-AL-335** | Ordering code **AL-081-XX** | **Made in Romania** Manufactured in the EU









The windsock shows pilots ground-level wind direction and a general indication of wind speed. It is located to indicate wind conditions over the FATO and TLOF, free from airflow disturbances caused by nearby objects, and visible from a helicopter in flight, in a hover or on the movement area. A simple design with extensive use of stainless steel eases maintenance and increases lifetime.

ORDERING CODE	SOCK MATERIAL
AL-081-XX	**Lightweight polyester fabric**
SOCK LENGTH	DIAMETER (LARGER END)
2.4 m	**600 mm**

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

Technical specifications

Ordering code	AL-081-XX
Sock material	Lightweight polyester fabric
Sock length	2.4 m
Diameter (larger end)	600 mm
Sock colour	Red and white
Total height with lighting	5.3 m
Pole / fasteners	Stainless steel
Illumination level	21.5 lux (FAA 150/5345-27E)
Number of fixtures	Max. 4
Total lighting consumption	Max. 50 W
Power supply	110-240 V, 50-60 Hz
Lighting degree of protection	IP66
Obstruction light	Low intensity, Type B, 2.5 W, IP66
Operating temperature	-55 °C to +55 °C
Salt-mist testing	IEC 60068-2-11, IEC 60068-2-25
Stainless steel base plate	300 × 390 mm, 8 mm thick
Frangible version	Max. cone height 3 m

Features

- Designed for simplicity and ease of maintenance
- High-power LED lighting
- Lightweight fabric sock
- Extensive use of stainless steel
- Hinged base for quick sock replacement
- Photocell for automatic night switching

Standards and compliance

- ICAO Annex 14, Volume I – Aerodrome Design and Operations
- ICAO Annex 14, Volume II – Heliports (sock dimensions: Fourth Edition, July 2013, para. 5.1.1.5)
- FAA 150/5345-27E – illumination level
- IEC 60068-2-11 and IEC 60068-2-25 – salt-mist testing

Materials and construction

- Sock: lightweight polyester fabric
- Pole: stainless steel
- Fasteners: stainless steel
- Base plate: stainless steel, 8 mm

Configuration options

- Illumination: none, external or internal, with or without obstruction light
- Frangible coupling system (optional, max. cone height 3 m)
- Cable length: 1 m or 2 m
- Cable gland: chrome-plated, stainless steel or plastic
- Junction box: none, simple terminals, or terminals + varistor + fuse

Ordering code structure

`AL - 081 - XX`

AL	Series: airfield lighting
081	Product indicator: surface-level heliport wind indicator
01	Without lighting
02	External lighting system
03	External lighting system and obstruction light
04	Internal lighting system
05	Internal lighting system and obstruction light

Compatible accessories

AL-121-AX	Spare cone sleeve
AL-081-04	Internally illuminated wind direction indicator
AL-157-AX	Externally illuminated wind direction indicator

Applications

Surface-level heliports · **Hospital heliports and helipads** · **Airports and aerodromes** · **Airbases**