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TECHNICAL DATASHEET · AIRPORT LIGHTING · VISTA ELEVATED LIGHTS

Elevated Taxiway Light

EcoSolaris code **ECO-AL-3562** | Ordering code **AL-105-01/02-BL-XX** | **Made in Romania** Manufactured in the EU





Omnidirectional lights with blue LEDs that guide pilots during ground movements at airports and aerodromes. Two versions are available: one LED for taxiway edges and two LEDs designed specifically for turning pad areas.

VERSION AL-105-01-BL
1 blue LED · 2.1 W · 700 mA DC, dimmable

OPTIONAL SUPPLY
230 V AC direct from mains (smaller systems)

COLOUR / DISTRIBUTION
blue, omnidirectional

BRIGHTNESS STEPS
1%, 3%, 10%, 30%, 100%

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

Technical specifications

Version AL-105-01-BL	1 blue LED · 2.1 W · 700 mA DC, dimmable
Version AL-105-02-BL	2 blue LEDs (turning pads) · 4.2 W · 1.4 A DC, dimmable
Optional supply	230 V AC direct from mains (smaller systems)
Colour / distribution	blue, omnidirectional
Luminous intensity	min 2 cd from 0° to 6° vertical; 0.2 cd between 6° and 75°
Brightness steps	1%, 3%, 10%, 30%, 100%
Temperature range	-55° to +55°
Degree of protection	IP67
Ka tested	salt mist
Weight	3 kg
Wiring	fixture pre-cabled with 0.5 m cable
Colorimetry	ICAO Annex 14 Vol. I, Fig. A1-1b

Features

- Omnidirectional blue light for taxiway edges
- Very low consumption: 2.1 W or 4.2 W
- 5 brightness steps: 1%, 3%, 10%, 30%, 100%
- Optional night-only operation with photocell
- Lightweight aluminium-alloy body, simple maintenance
- IP67, salt-mist tested

Standards and compliance

- ICAO Annex 14, Volume I – Aerodromes
- IEC TS 61827 – Electrical installations for lighting and beaconing of aerodromes; characteristics of inset and elevated luminaires
- Colours to ICAO Annex 14 Vol. I, Fig. A1-1b (solid-state lighting)

Materials and construction

- Housing: powder-coated aluminium, RAL 1004 (aviation yellow)
- Disperser: glass
- Cable gland: nickel-plated brass
- Fasteners: stainless steel
- Anti-condensation valve fitted

Configuration options

- 700 mA DC (1 LED) or 1.4 A DC (2 LEDs) supply from the controller, dimmable
- Optional for smaller systems: direct 230 V AC mains supply
- Optional infrared (IR) LED for night-vision operations
- Optional photocell (PE), only for 230 V AC powered versions
- Mounting: Ø260 mm base or tripod with frangible coupling, Ø160 mm shallow base, or 8" IEC shallow base with adapter ring

Ordering code structure

`AL - 105 - 01/02 - BL - XX`

AL	Series indicator (airfield lighting)
105	Elevated Taxiway light
01 / 02	Number of LEDs: 1 (standard) or 2 (turning pads); with IR: 02 / 03
BL	Blue; BL/IR when infrared is included
PE / 00	With photocell / without photocell (photocell only for 230 V AC)

Compatible accessories

AL-213-AX	Frangible coupling 2.5" (Polaris V2 & Vista)
AL-173-AX	Tripod
AL-102-AX	Ø260 mm base plate
AL-103-AX	Mounting flange
AL-104-AX	Standard Ø160 mm shallow base
AL-105-AX	Adapter ring for 8" shallow base
AL-106-AX	Ø160 mm surface-mounted base
AL-107-AX	IP68 electrical junction box
AL-108-AX	Ø160 mm shallow base installation jig
AL-122-AX	Cable with KDC501 EFLA connector

Applications

Taxiway edges · **Turning pad areas** · **Aprons and access taxiways at airports and aerodromes** · **Heliports with ground taxiways**