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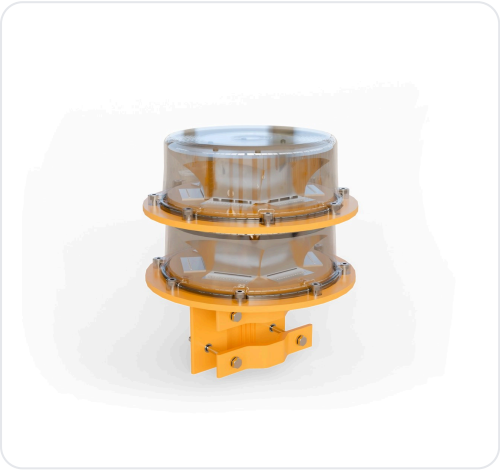
TECHNICAL DATASHEET · AIRPORT LIGHTING · GUIDANCE SYSTEMS · LED BEACON

Aerodrome Beacon – ABN

EcoSolaris code **ECO-AL-4276**

Ordering code **AL-082-84-WH-84-GR**

Made in Romania Manufactured in the EU



The Aerodrome Beacon is a powerful omnidirectional white and green light that signals the presence of an airport from the air. It emits alternating white and green flashes and is driven by a dedicated controller that generates the flashing sequence and brightness control.

ORDERING CODE	LEDS
AL-082-84-WH-84-GR	**84 white + 84 green (OSRAM)**
INTENSITY	DISTRIBUTION
min 2000 effective cd	**360° horizontal; 0-10° vertical**

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

Technical specifications

Ordering code	AL-082-84-WH-84-GR
LEDs	84 white + 84 green (OSRAM)
Signal	alternating white/green flashes of 1 s, 2 s between flashes
Intensity	min 2000 effective cd
Distribution	360° horizontal; 0-10° vertical
Intensity levels	100%, 10%, 3% (with controller, 48 V DC)
Average power	50 W including the controller
Peak power	max 150 W including the controller
Connection	3-core cable from controller: V+ (red), V- (black), GND (green/yellow)
Temperature range	-20° to +55°
Degree of protection	IP65
Diameter	220 mm
Total height	248 mm
Weight	4.4 kg
Fastening	on Ø32 mm to Ø80 mm pipe

Features

- High-power LED technology with OSRAM white and green LEDs
- 360° omnidirectional light, 0-10° vertical distribution
- Minimum 2000 effective cd
- Three-step brightness control: 100%, 10%, 3%
- Can also be controlled by the main airport controller
- Lightweight aluminium body, UV protection, anti-condensation valve

Standards and compliance

- ICAO Annex 14, Volume I – Aerodrome Design and Operations
- IEC TS 61827 – Electrical installations for lighting and beaconing of aerodromes
- Intensity to ICAO Annex 14 Vol. II, fig. 5-11/1
- Colours to ICAO Annex 14 Vol. I, fig. A1-1b (solid-state lighting)
- Ka tested to IEC 60068-2-11 and IEC 60068-2-25

Materials and construction

- Body: powder-coated aluminium, RAL 1004 (aviation yellow)
- Diffuser: clear polycarbonate, UV protected
- Cable gland: nickel-plated brass
- Fasteners: stainless steel
- Anti-condensation valve

Configuration options

- Power supply: 48 V DC from controller, dimmable (100%, 10%, 3%)
- Power supply: 110-230 V AC, 50/60 Hz, non-dimmable
- 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 - 082 - 84 - WH - 84 - GR

AL	Series indicator (airfield lighting)
082	Product indicator – Aerodrome Beacon ABN
84	Number of white LEDs
WH	LED colour: white
84	Number of green LEDs
GR	LED colour: green

Applications

Marking the location of airports and aerodromes · **Aerodromes used at night** · **Aerodromes that are hard to identify from the air** · **Mounting on a mast or building, visible from all directions**