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TECHNICAL DATASHEET · AIRPORT LIGHTING · STEADY RED LIGHT

Unserviceability Runway Light

EcoSolaris code **ECO-AL-122** | Ordering code **AL-125-01-RE** | **Made in Romania** Manufactured in the EU



Steady red light for marking airfield areas temporarily withdrawn from use, with an intensity above 10 cd. The unit is lightweight, durable and waterproof, developed for fast deployment by non-skilled operators in the worst environmental conditions.

ORDERING CODE	LIGHT COLOUR
AL 125-01-RE	**Red, steady**
INTENSITY	POWER CONSUMPTION
> 10 cd	**1 W**

Price on request | EcoSolaris technical support · Dubai

Technical specifications

Ordering code	AL 125-01-RE
Light colour	Red, steady
Intensity	> 10 cd
Power consumption	1 W
Mains supply	90-230 V, 50/60 Hz, non-dimmable
Controller supply	1.4 A DC, dimmable 100%, 30%, 10%
Battery supply	12 V DC, individual 12 Ah battery or group battery
Autonomy	Up to 12 nights
Degree of protection	IP65
Operating temperature	-20 °C to +55 °C
Testing	Salt mist
Length × width	130 × 93 mm
Total height	160 mm
Weight	1.3 kg
Cable	Pre-cabled, 0.5 m
Measured minimum intensity at 0° / 6° / 10° / 20°	9.14 / 26.8 / 27.3 / 15.9 cd
Measured minimum intensity at 30° / 40° / 50°	3.76 / 3.00 / 4.65 cd
Trichromatic coordinates	x = 0.698; y = 0.302; z = 0.000

Features

- Steady red light above 10 cd
- High-power LEDs with dedicated optics
- Low power consumption and reduced life-cycle costs
- Up to 12 nights of battery autonomy
- Lightweight, durable and waterproof for fast deployment
- Anti-condensation valve

Standards and compliance

- ICAO Annex 14, Volume I – Aerodrome Design and Operations, paragraph 7.4.4
- Romanian Civil Aeronautical Authority: No. 12408 of 30.05.2008
- Colour compliant with ICAO Annex 14, Vol. I, fig. A1-1b (solid-state aeronautical ground lights)

Materials and construction

- Housing: powder-coated aluminium, RAL 1004 (aviation yellow)
- Disperser: clear polycarbonate
- Cable gland: nickel-plated brass
- Fasteners: stainless steel

Configuration options

- Power supply: 90-230 V AC (non-dimmable), 1.4 A DC from controller (dimmable) or 12 V DC from individual/group battery
- Cable gland: chrome-plated, stainless steel or plastic
- Cable length: 1 m or 2 m
- Mounting: Φ260 mm base plate with frangible coupling, vertical flat surface or pyramid on Φ30-Φ70 mm pipe

Ordering code structure

AL - 125 - 01 - RE

AL	Series: airfield lighting
125	Product indicator: unserviceability light
01	Number of LEDs
RE	Light colour: red

Compatible accessories

AL-100-AX	Φ32 mm coupling tube
AL-101-AX	Frangible coupling
AL-102-AX	Φ260 mm base plate
AL-103-AX	Mounting flange
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
AL-122-AX	Cable with KDC501 EFLA connector
AL-173-AX	Tripod

Applications

Marking temporarily closed runway sections · **Unserviceable taxiways and aprons** · **Maintenance and construction works on the airfield** · **Temporary battery-powered deployment**