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TECHNICAL DATASHEET · HELIPORT LIGHTING · GUIDANCE SYSTEM

GPI – Glide Path Indicator

EcoSolaris code **ECO-AL-333** | Ordering code **AL-084-01-YE-GR-RE** | **Made in Romania** Manufactured in the EU



The GPI gives the pilot light information for night helicopter landings in severe operating conditions where standard fixed equipment cannot be used. It is a compact projector that emits a trichromatic beam – yellow, green and red – in the vertical plane, indicating the position relative to the correct glide path.

ORDERING CODE	LIGHT SOURCE
AL-084-01-YE-GR-RE	**high-power LED**
VERTICAL ELEVATION ANGLE	HORIZONTAL BEAM ANGLE
yellow 5° / green 2° / red 5°	**28°**

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

Technical specifications

Ordering code	AL-084-01-YE-GR-RE
Light source	high-power LED
Beam colours	yellow / green / red (trichromatic beam in the vertical plane)
Vertical elevation angle	yellow 5° / green 2° / red 5°
Horizontal beam angle	28°
Light intensity	yellow 550 cd / green 310 cd / red 210 cd (tolerance ±15%)
Visibility	more than 10 km (VMC)
Power supply	90–230 V, 50/60 Hz
Power consumption	5 W
Electrical connection	pre-wired, 2 m cable: live (brown), neutral (blue), ground (green/yellow)
Degree of protection	IP66
Operating temperature	-55 °C to +55 °C
Salt mist resistance	tested to IEC 60068-2-11 and IEC 60068-2-25
Dimensions	340 x 110 x 200 mm
Weight	2.65 kg
Mounting	base plate or IEC 8” shallow base with adapter ring

Features

- Compact projector with trichromatic beam: yellow, green, red
- For night landings in severe conditions where fixed equipment cannot be used
- Only 5 W consumption, high-power LED technology
- Anti-glare visor and vertical adjustment system
- Flat surface for an inclinometer for precise aiming
- Light (2.65 kg) aluminium alloy design – easy to handle in the field

Standards and compliance

- NATO STANAG 1236
- 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 to IEC 60068-2-11 and IEC 60068-2-25

Materials and construction

- Housing: powder-coated aluminium, RAL 1004 (aviation yellow)
- Fastening system: powder-coated aluminium, RAL 1004
- Anti-glare visor: powder-coated aluminium, RAL 9005 (black)
- Diffuser: 5 mm clear glass
- Cable gland: nickel-plated brass
- Fasteners: stainless steel

Configuration options

- Power supply: 48 V DC from controller (dimmable 100/30/10%), 48 V DC non-dimmable or 110–230 V AC, 50/60 Hz non-dimmable
- Cable length: 1 m or 2 m
- Cable gland: chrome-plated, stainless steel or plastic
- Mounting: none, 260 mm base plate or Φ160 mm flange
- Base: none, shallow base 135 mm or 100 mm deep (Φ160 mm), surface mounted base 75 mm (Φ160 mm)
- Junction box: none, simple terminals, or terminals + varistor + fuse

Ordering code structure

AL - 084 - 01 - YE/GR/RE

AL	Series indicator: Airfield Lighting
084	Product indicator: Glide Path Indicator
01	Number of LEDs: 1
YE/GR/RE	Colour: yellow / green / 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-173-AX	Tripod

Applications

Night helicopter landings at improvised sites · **Military and emergency heliports (NATO STANAG 1236)** · **Temporary heliports, tripod mounting** · **Offshore platforms and remote areas**