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TECHNICAL DATASHEET · HELIPORT LIGHTING · OFFSHORE HELIDECK · LIGHTED MARKING

TD/PM Circle-H System

EcoSolaris code **ECO-AL-1519**

Made in Romania Manufactured in the EU







LED system lighting the touchdown/positioning (TD/PM) circle and the H marking on offshore helidecks. Flat segments, no more than 25 mm high, withstand heavy loads and the marine environment. 48 V DC supply with three-step dimming.

TD/PM CIRCLE	POWER AL-120-05-GR
32 × AL-124-03-YE	**10 W**
POWER AL-121-04-GR	POWER AL-122-03-GR
8 W	**6 W**

Price on request

EcoSolaris technical support · Dubai

Technical specifications

H marking	6 × AL-120-05-GR, 8 × AL-121-04-GR, 4 × AL-122-03-GR, 4 × AL-123-06-GR
TD/PM circle	32 × AL-124-03-YE
Power AL-120-05-GR	10 W
Power AL-121-04-GR	8 W
Power AL-122-03-GR	6 W
Power AL-123-06-GR	12 W
Power AL-124-03-YE	6 W
Power supply	48 V DC from controller, dimmable 100%, 30%, 10%
Cable	3-core: V+ (brown), V- (blue), dimming (green/yellow)
Light colour	green (H), yellow (circle)
Horizontal output	360°
Maximum height	25 mm
Segment dimensions (drawing)	990 × 150 × 25, 790 × 150 × 25, 590 × 150 × 25, 370 × 370 × 25, 250 × 370 × 25 mm
Pressure resistance	1,655 kPa (240 lbs/in^2), ideally 3,250 kPa (471 lbs/in^2)
Degree of protection	IP X8
Temperature range	-55 °C to +55 °C
Ka tested	salt mist (IEC 60068-2-11, IEC 60068-2-25)

Features

- Designed and built for simplicity and ease of maintenance
- High-power LED technology
- Lightweight, low-energy and environmentally friendly fittings
- Aluminium alloys ease handling in the field
- Maximum 25 mm height
- UV-protected fixtures

Standards and compliance

- ICAO Doc 9261, Heliport Manual, Fourth Edition, 2020
- TD/PM circle: intensity – Appendix I-B, par. 4.3; yellow colour – par. 4.4.1
- H marking: intensity – Appendix I-B, par. 5.3; green colour – par. 5.4.1
- IEC 60068-2-11 and IEC 60068-2-25 (salt mist)

Materials and construction

- Housing: powder-coated aluminium, RAL 1004 (aviation yellow) or white
- Disperser: hardened glass
- Disperser flange: nickel-plated ring
- Fasteners: stainless steel

Configuration options

- Housing colour: aviation yellow RAL 1004 or white
- H marking set and/or TD/PM circle set

Ordering code structure

AL - XXX - XX - XX

AL	Series indicator (Airfield Lighting)
XXX	Product indicator (120, 121, 122, 123, 124)
XX	Number of modules on fixture
XX	Light colour: GR (green) or YE (yellow)

Compatible accessories

AL-119-AX	Aluminium cable protection

Applications

Offshore platform helidecks · **Oil & gas installations** · **Vessels with landing decks** · **TD/PM and H lighted marking for night operations**