

POLARIS 1

High-performance LED technology

Polaris 1 is a high-performance LED lamp designed to directly replace legacy halogen lamps of up to 90 W used in horizon optics. Thanks to its efficiency and compatibility, it provides a modern and sustainable solution without requiring replacement of the existing lens.

Maximum reliability and low maintenance

With a robust design, IP55 protection rating and high-quality components, Polaris 1 ensures safe and stable operation in demanding marine environments, significantly reducing maintenance requirements.

Versatility and efficiency

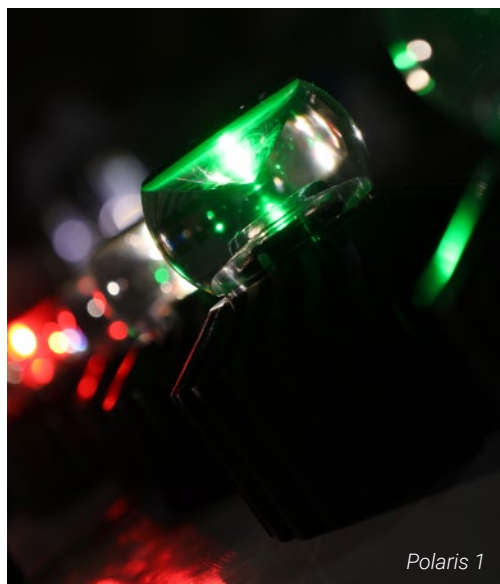
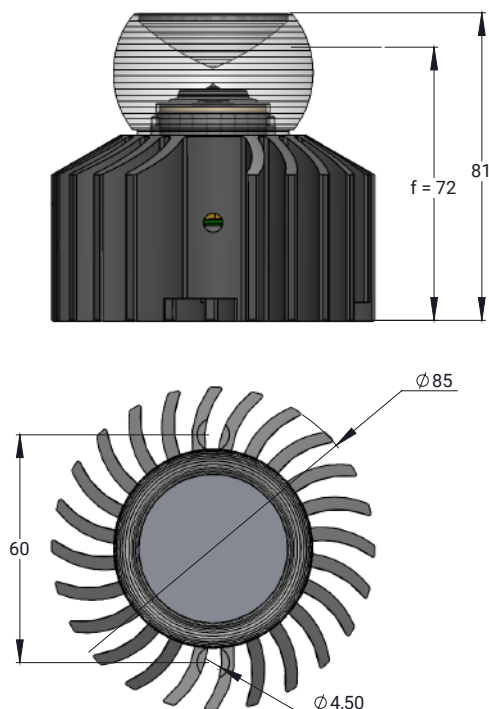
Available in white, red and green, with power adjustment via a 4-position rotary selector, Polaris 1 adapts to different configurations and operational requirements while delivering significant energy savings.



FEATURES

- LED light source designed for horizon lenses.
- Available in three colours: white, red and green.
- 360° horizontal emission.
- Switch-on and switch-off time below 10 ms.
- Rotary power selector.
- The LED current regulator includes protection against reverse polarity, electrical overvoltage and overcurrent.
- Integrated cooling system.
- Bi-colour status LED indicator (green/red).
- Colours compliant with IALA Recommendation R0201 Maritime Light Signals – Colours (E-200-1).
- Designed in accordance with IALA Recommendations.

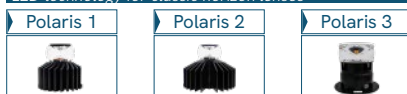
POLARIS 1



Polaris 1

DISCOVER THE FULL POLARIS RANGE

LED technology for classic horizon lenses



Lighting system

Light source:	Ultra-bright LED diode.
Available colours:	White, red and green.
Horizontal output:	360° horizontal, $\pm 40^\circ$ vertical axis.
LED average life:	More than 100,000 hours.

Internal LED current regulator

Power supply:	10 to 36 V DC.
Protections:	Reverse polarity, overvoltage and overcurrent.

Environmental features & materials

Lens:	Omnidirectional acrylic lens.
Base:	Anodised aluminium.
Temperature range:	-10° to +55°C.
Watertightness degree:	IP 55.
Focal height:	72 mm.
Dimensions:	Ø85 mm x 81 mm.
Weight:	0.6 kg.
Fixings:	2 bolts in a 60 mm diameter.

POLARIS 1 Luminous flux

Colour	Regulator	Flux (Lm)	Power (W)
	Polaris1-W	150	2
		300	4
		600	9
		1,200	20
	Polaris1-R	150	4
		300	8
	Polaris1-G	150	2
		300	5
		600	14



Specifications subject to change without previous notice.



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