

POLARIS 3

Advanced LED Technology

Polaris 3 is a medium-range LED lamp with high luminous performance, designed to directly replace halogen lamps of up to 650 W used in horizon and rotating optics. Thanks to its efficiency and compatibility, it provides a modern and sustainable solution without the need to replace the existing lens.

Maximum Reliability and Low Maintenance

With a robust design, IP55 watertightness degree and high-quality components, Polaris 3 ensures safe and stable operation in demanding marine environments, significantly reducing maintenance requirements.

Versatility and Efficiency

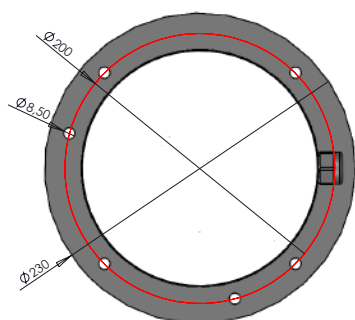
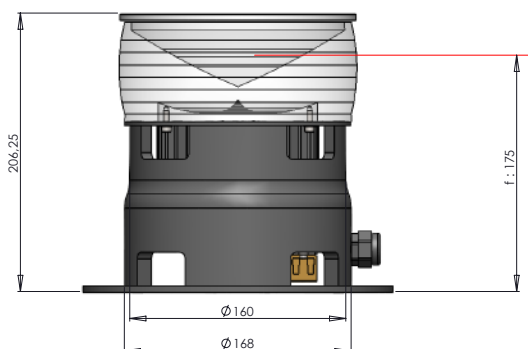
The Polaris 3 lamp is available with DC or AC power supply and provides high-efficiency LED lighting, offering significant energy savings and a service life of over 100,000 hours.



FEATURES

- LED light source adapted for horizon and rotating optics.
- 360° horizontal emission.
- Switch-on and switch-off time below 10 ms.
- Regulator circuit housed in an external enclosure.
- LED current regulator with protection against reverse polarity, electrical surges and overcurrent.
- Integrated cooling system.
- Bi-colour LED operating status indicator (green/red).
- Colours compliant with IALA Recommendation R0201 (E-200-1) Maritime Buoyage System – Light Colours.
- Designed in accordance with IALA Recommendations.

POLARIS 3



Lighting system

Light source:	1 ultra-bright LED diode.
Colours:	White (Colour temperature: 3000 K or 4000 K).
Visibility:	360° horizontal, ±40° vertical axis.
LED average life:	More than 100,000 hours.

LED current regulator features

Power supply:	20 to 36 V d.c. 100 to 240 V a.c.
Maximum power:	180 W.
Maximum luminous flux:	15,000 Lm adjustable.
Protections:	Reverse polarity, overvoltage and overcurrent protection.
Regulator circuit:	Housed in an external enclosure.

Materials and environment

Lens:	Omnidirectional acrylic lens.
Base:	Anodized aluminium.
Temperature range:	-10° to 55°C.
Watertightness degree:	IP 55.
Focal height:	175 mm.
Dimensions:	Ø230 mm x 206.25 mm.
Weight:	5 kg.
Fixings:	3 or 4 bolts in a 200 mm diameter.

POLARIS 3 Luminous Flux

Colour	Regulator	Flux (Lm)	Power (W)
	Polaris3-W	15,000	180



Regulator circuit in an external enclosure

EXPLORE THE FULL POLARIS RANGE

LED technology for classic horizon lenses



Specifications subject to change without previous notice.



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