



FLOOD LIGHT

MBL 160-ID



The MBL 160-ID is a flood light for offshore wind farms fitted with LED diodes of high intensity, especially designed to lightening the identification panel wind turbines, with a high-efficiency luminous system and a low consumption.

Ideal for temporary and/or permanent beaconing of off-shore wind farms or platforms.

This lantern is ready to integrate a monitoring and a synchronising system based on bus topology.

Its luminous source consists of an innovating lens system especially designed to take the maximum profit of LED diodes. Manufactured with high-quality and resistant materials, it provides a long service life under harsh marine conditions.

Designed according to IALA Recommendations.

FEATURES

- ✓ Lighting of identification panels up to 3,3 x 3 m at a distance of 1,35 m.
- ✓ High-efficiency luminous system.
- ✓ Average operation lifetime over 10 years.
- ✓ IP 68 watertightness degree (immersion resistant).
- ✓ Linear adjustment of luminous intensity.
- ✓ Double RS-232 serial port for setting adjustments by PC and remote monitoring system.
- ✓ Ready to integrate remote monitoring via GSM, VHF or satellite, synchronization via GPS or AIS AtoN module.
- ✓ Short-circuit, reverse-polarity and transient over-voltage protections.

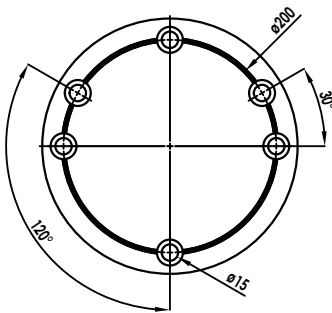
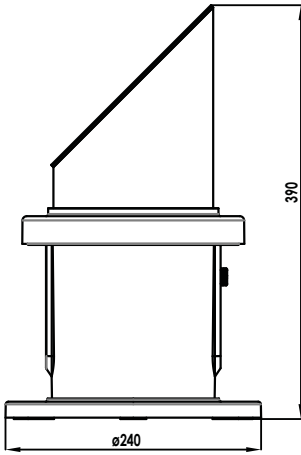


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Specifications subject to change without previous notice.



Optical System	
Light source:	Ultra-bright LED diode, with high-precision acrylic lens.
Colours available:	White, green, red and amber.
Vertical divergence:	From 5° to 30° (50% Io).
LED average life:	More than 100,000 hours.
Power supply:	From 9 to 36V (From 190 to 270V a.c. optional).
Lantern consumption:	From 3 to 24W (adjustable).

Electronic control	
Day/night threshold:	Adjustable between 10 and 400 lux.
Luminous intensity adjustment:	Linear, between 10 and 100% by Modbus.

Materials and environment	
Base:	Glass-fibre reinforced polyamide PA66-GF30.
Lens cover:	Acrylic, UV stabilised.
Vibration resistance:	MIL-STD-202G, Method 204D (5G).
Shock resistance:	MIL-STD-202G, Method 213B.
Watertightness degree:	IP 68.
Fixings:	4 bolts in a 200mm diameter.
Humidity resistance:	100%. Pressure-compensation valve to avoid condensation.
Temperature range:	From -30° to 70°C.

Options	
Infrared (IR) programmer.	
PC programming kit.	
RS-485 Modbus serial port.	
Other specifications available under request.	



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