



MBL400D

Excellent optical efficiency

The MBL400D is a standalone medium-range LED marine lantern, with a great optical efficiency, providing light beams with high accuracy. Its luminous source consists of high-intensity LED diodes, obtaining a maximum range of 19 nautical miles.

Minimal maintenance

Intended to be placed in on-shore aids-to-navigation locations, such as poles and towers, requiring a minimal maintenance, as well as hard-to-reach sites or under extreme environmental conditions.

High-accuracy lens

Equipped with a high precision lens made of UV resistant acrylic and protected by an impact resistant tempered glass lens cover. Manufactured with high-quality and resistant materials, the MBL400D provides a long service life under harsh marine conditions.

Designed according to IALA Recommendations.

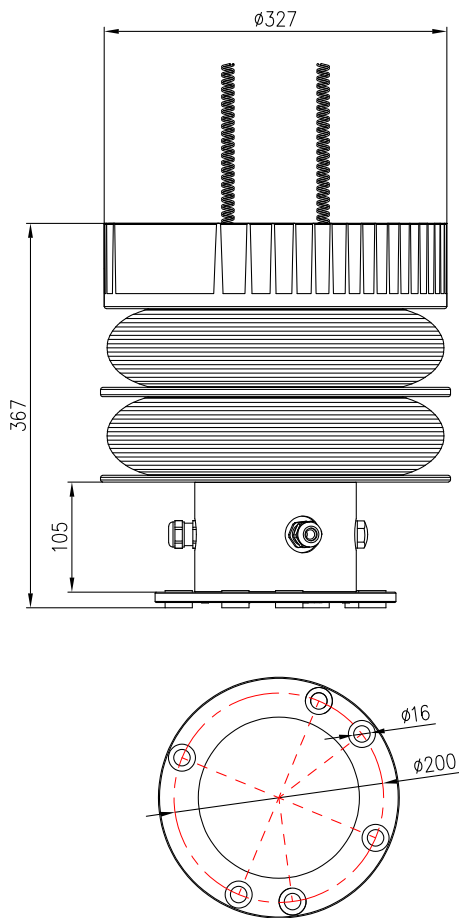


FEATURES

- *State-of-the-art LED technology.*
- *High-efficiency luminous system.*
Up to 19 nm ($T=0.74$), 30 nm ($T=0.85$).
- *Vertical divergence 2° ($50\% I_0$).*
- *Circular acrylic lens UV stabilized.*
- *Average operation lifetime over 15 years.*
- *Photocell adjustable in lux.*
- *IP 67 watertightness degree (immersion resistant).*
- *Linear adjustment of luminous intensity.*
- *USB-C serial port for setting adjustments by PC and RS-232 serial port for remote monitoring system.*
- *RS-485 serial port (MODBUS).*
- *Programming, configuration and operating status via PC, Bluetooth, or IR programmer as an option.*
- *Ready to integrate remote monitoring via GSM, satellite, AIS, AtoN, IoT, MODBUS, or LAN, synchronization module via GPS.*
- *Short-circuit, reverse-polarity, over-temperature and transient over-voltage protections.*



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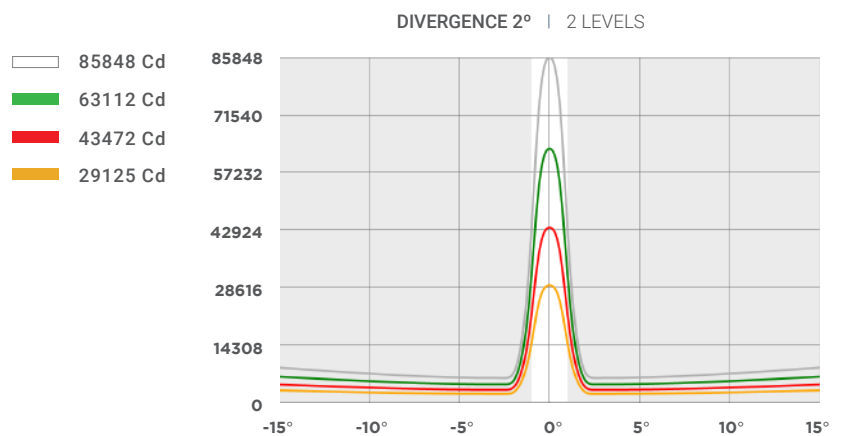
Technical Features

Light source:	36 nos. ultra-bright LED diodes, distributed circularly (360°) in up to two levels.
Luminous range:	Up to 19 nm (T=0.74) 30 nm (T=0.85).
Vertical divergence:	2° (50% I ₀).
LED average life:	More than 100.000 hours.
Power supply:	From 20 to 36 V.
Lantern consumption:	120 W per level.
Flash rhythms:	256 (6 nos. user selectable).
Base:	Hard anodized aluminium.
Watertightness degree:	IP 67.
Programming:	PC or Bluetooth.

Options

Removable AISI 316 stainless steel bird deterrent.
 IR programmer.
 MBL400D-TG (GSM remote monitoring).
 MBL400D-TS (Satellite remote monitoring).
 MBL400D-AIS (AIS AtoN).
 MBL400D-IoT (IoT remote monitoring).
 MBL400D-LAN (LAN remote monitoring).
 Other specifications available under request.

Peak intensities (Cd)



Specifications subject to change without previous notice.



smartcom360

Download our
Smartcom360 software
and configure the lantern



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