



MBL400C

Excellent optical efficiency

The MBL400C is a medium-range standalone 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 18 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 UV-stabilised methacrylate lens cover. Manufactured with high-quality and resistant materials, the MBL400C provides a long service life under harsh marine conditions.

Designed according to IALA Recommendations.

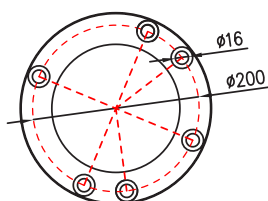
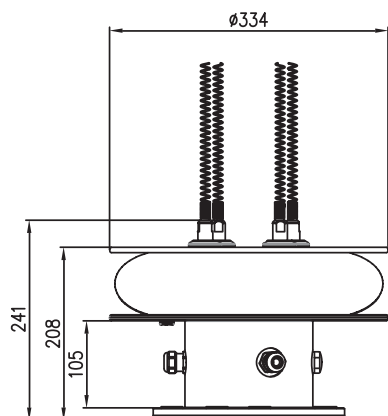


FEATURES

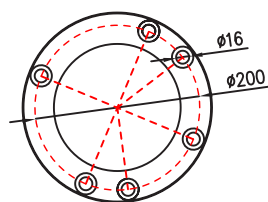
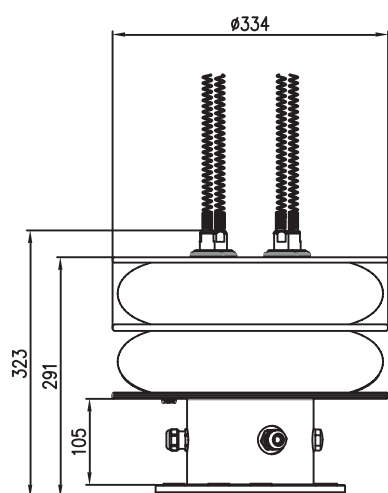
- State-of-the-art LED technology.
- High-efficiency luminous system.
Up to 18 nm ($T=0.74$), 26 nm ($T=0.85$).
- Vertical divergence 2° ($50\% I_0$).
- Circular acrylic lens UV stabilized.
- Average operation lifetime over 15 years.
- Photocell adjustable in lux.
- IP 67 watertightness degree (immersion resistant).
- Microprocessor controlled flasher with 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 or MODBUS, synchronization module via GPS.
- Short-circuit, reverse-polarity, over-temperature and transient over-voltage protections.



MBL400C



MBL400C - 1 level



MBL400C - 2 levels



smartcom360

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Smartcom360 software
and configure the lantern



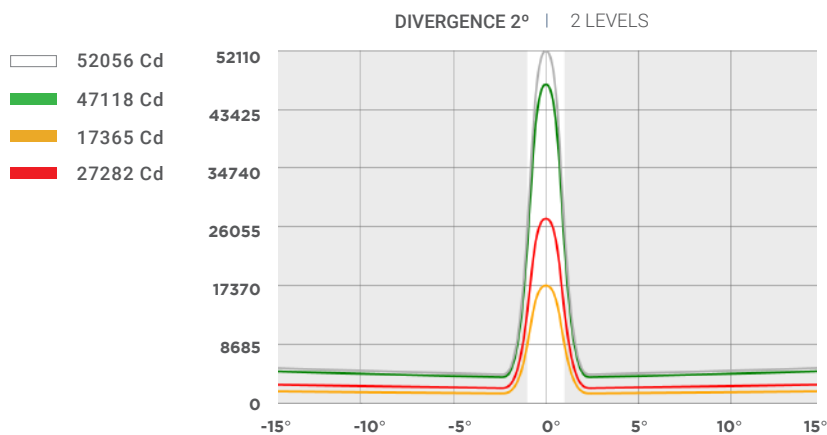
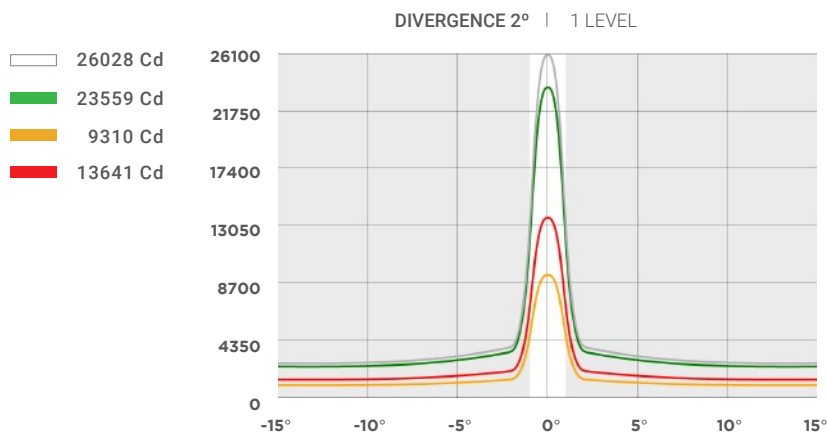
Technical Features

Light source:	36 nos. ultra-bright LED diodes, distributed circularly (360°) in one level. Up to 2 levels.
Luminous range:	Up to 18 nm (T=0.74) 26 nm (T=0.85).
Day/night threshold:	Adjustable between 10 and 400 lux.
Vertical divergence:	Up to 2° (50% I ₀).
LED average life:	More than 100.000 hours.
Power supply:	1 Level: from 10 to 36 V. 2 Levels: from 20 to 36 V.
Lantern consumption:	Up to 65 W per level.
Flash rhythms:	256 (6 nos. user selectable).
Base:	Hard anodized aluminium.
Watertightness degree:	IP 67.
Temperature range:	From -30° to 70°C.
Programming:	PC or Bluetooth.

Options

- Removable AISI 316 stainless steel bird deterrent.
- IR programmer.
- MBL400C-TG (GSM remote monitoring).
- MBL400C-TS (Satellite remote monitoring).
- MBL400C-AIS (AIS AtoN).
- MBL400C-IoT (IoT remote monitoring).
- Other specifications available under request.

Peak intensities (Cd)



Specifications subject to change without previous notice.



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