



NEW
LED LIGHT SOURCE

MBL500LD

Excellent optical efficiency

The MBL500LD is a long-range standalone LED marine lantern, with a great optical efficiency and low consumption. Its new luminous source consists of high-intensity LED diodes, obtaining a maximum range of 21 nautical miles.

Minimal maintenance

Intended to be placed in on-shore aids-to-navigation locations, requiring minimal maintenance.

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 MBL500LD provides a long service life under harsh marine conditions.

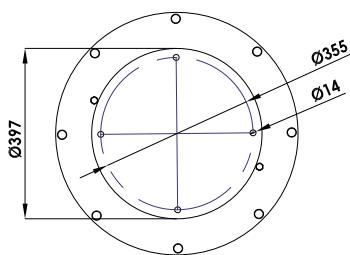
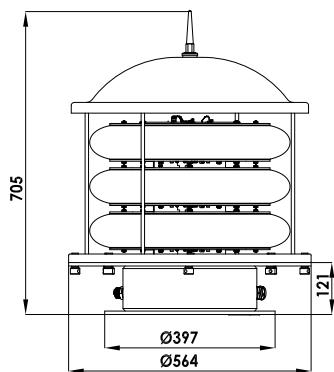
Designed according to IALA Recommendations.



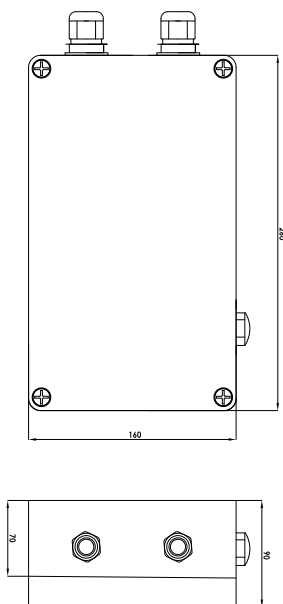
FEATURES

- State-of-the-art LED technology.
- High-efficiency luminous system.
Up to 21 nm ($T=0.74$), 33 nm ($T=0.85$).
- Vertical divergence 2° (50% I_0).
- Shock-resistant acrylic lens cover.
- 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.
- 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 and transient over-voltage protections.

MBL500LD



MBL500LD - 3 levels



External control unit

! Specifications subject to change without previous notice.

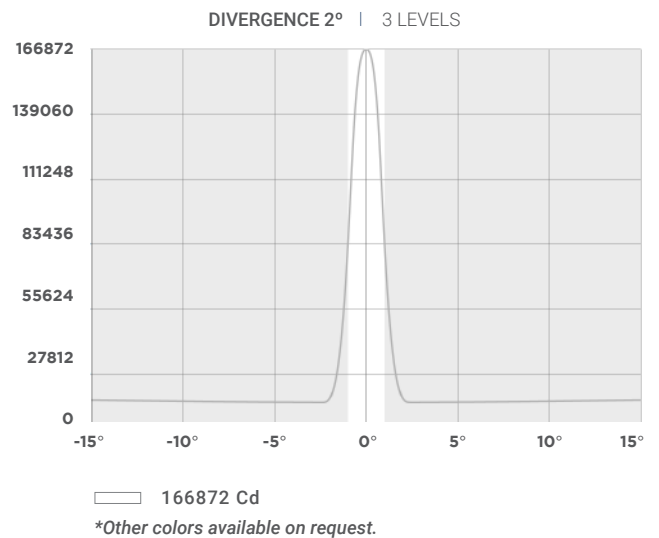
Technical Features

Light source:	Ultra-bright LED diodes (2 or 3 levels).
Luminous range:	Up to 21 nm (T=0.74) 33 nm (T=0.85).
Vertical divergence:	Up to 2° (50% I ₀).
LED average life:	More than 100.000 hours.
Power supply:	From 20 to 36 V.
Lantern consumption:	Up to 150 W per level.
Flash rhythms:	256 (6 nos. user selectable).
Base:	Marine grade aluminium with polyurethane finishing.
Lens cover:	Acrylic, UV stabilised.
Watertightness degree:	IP 67.
Programming:	PC, Bluetooth or IR programmer as an option.

Options

PC programming kit.
 RS-485 (MODBUS) serial port.
 IR programmer as an option.
 Top flat cover as an option.
 MBL500LD-TG (GSM remote monitoring).
 MBL500LD-TS (Satellite remote monitoring).
 MBL500LD-AIS (AIS AtoN remote monitoring).
 MBL500LD-IoT (IoT remote monitoring).
 Other specifications available under request.

Peak intensities (Cd)



smartcom360

Download our
Smartcom360 software
and configure the lantern



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