



MBL400S

Excellent optical efficiency

The MBL400S is a standalone medium-range omnidirectional LED sector light (ODSL), with a great optical efficiency, providing sectorised light beams with an accuracy of up to 0.5°. Its luminous source consists of high-intensity LED diodes, obtaining a maximum range of 12 nautical miles.

Minimal maintenance

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

Effective sectorisation

Its optical system utilises the point light source of the lens to make an effective sectorisation in each case. Every sector requires an individual light level, which enables practically any sector configuration.

Each omnidirectional lantern is customized considering range, colours and sectors required.

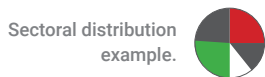
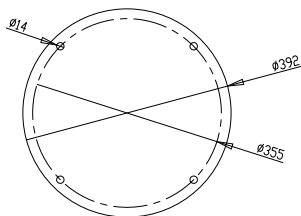
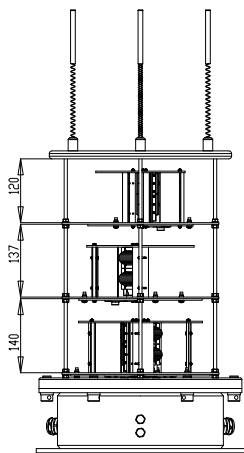
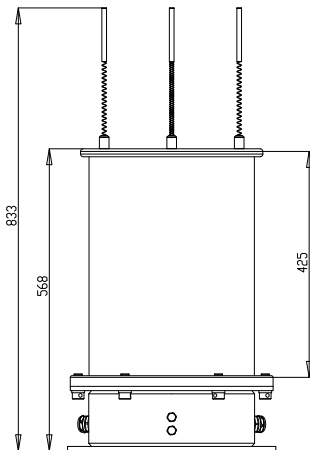
Designed according to IALA Recommendations.



FEATURES

- State-of-the-art LED technology.
- High-efficiency luminous system.
Up to 12 nm ($T=0.74$).
- Vertical divergence 5°, 8° or 10° (50% I_0).
- Configurable sectors.
- Field-diaphragm sectorisation, customised for each project.
- Average operation lifetime over 15 years.
- IP 67 watertightness degree (immersion resistant).
- Anti-humidity device to avoid condensation.
- 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, synchronisation module via GPS.
- Short-circuit, reverse-polarity and transient over-voltage protections.
- PATENTED OPTICAL SYSTEM.

MBL400S



Technical Features

Light source:	Ultra-bright LED diodes, with high-precision acrylic lens.
Luminous range:	Up to 12 nm (T=0.74).
Vertical divergence:	5°, 8° or 10° (50% I ₀).
LED average life:	More than 100.000 hours.
Power supply:	From 9 to 36 V.
Flash rhythms:	256 (6 nos. user selectable).
Base:	Marine grade aluminium with polyurethane finishing.
Lens cover:	Tempered glass, UV stabilised.
Watertightness degree:	IP 67.
Programming:	PC, Bluetooth or IR programmer as an option.

Options

PC programming kit.
 RS-485 serial port (MODBUS).
 IR programmer as an option.
 MBL400S-TG (GSM remote monitoring).
 MBL400S-TS (Satellite remote monitoring).
 MBL400S-AIS (AIS AtoN).
 MBL400S-IoT (IoT)
 Other specifications available under request.

Peak intensities (Cd)

	5°			8°			10°		
COLOUR									
PEAK INTENSITY	3650 Cd	2714 Cd	1764 Cd	2726 Cd	1796 Cd	1096 Cd	2454 Cd	1534 Cd	918 Cd

The intensity of the beacon will depend on the configuration and amplitude of the sectors that are needed.
 Each case is individually studied, configured and optimized.

Dimensions depending on configuration of sectors and intensity.

Specifications subject to change without previous notice.

Download our
 Smartcom360 software
 and configure the lantern

GET IT ON Google Play