

## MBL170

### Excellent optical efficiency

The MBL170 is a LED marine flashing lantern of short and medium range, with a great optical efficiency and low consumption, fitted with LED diodes of high intensity, reaching a maximum range of 12 nautical miles.

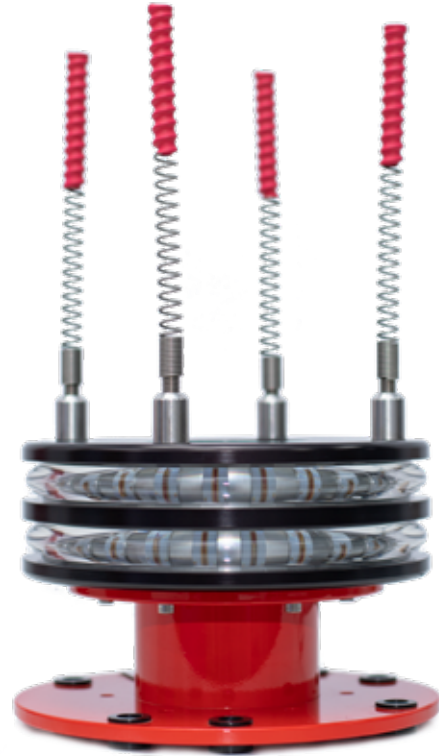
### Low consumption

Ideal for on- and off-shore solar beaconing applications requiring a low consumption, such as channels, harbour entrances, jetties, piers, buoys, structures, fish farms, etc.

### Long service life

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, the MBL170 provides a long service life under harsh marine conditions.

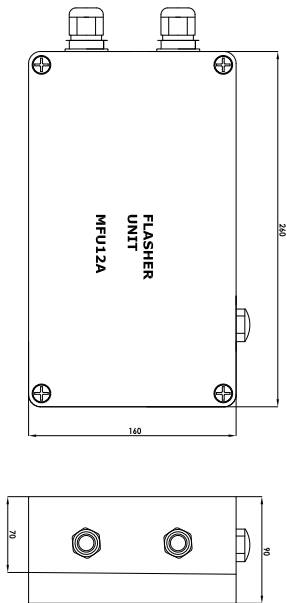
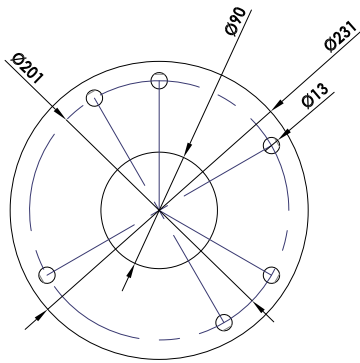
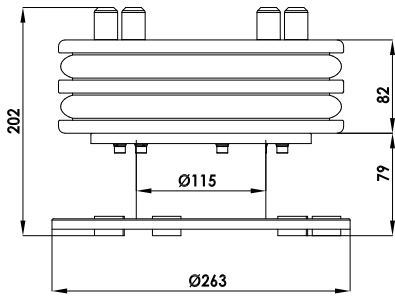
Designed according to IALA Recommendations.



## FEATURES

- *High-efficiency luminous system.*  
Up to 12 nm ( $T=0.74$ ), 15 nm ( $T=0.85$ ).
- *Vertical divergence  $8^\circ$  (50%  $I_0$ ).*
- *$360^\circ$  horizontal output.*
- *Average operation lifetime over 10 years.*
- *Internal photocell adjustable in lux.*
- *IP 67 watertightness degree (immersion resistant).*
- *Linear adjustment of luminous intensity.*
- *Programming, configuration and operating status via PC or Bluetooth.*
- *Short-circuit, reverse-polarity and transient over-voltage protections.*
- *Independent tiers configuration.*
- *PATENTED OPTICAL SYSTEM.*

# MBL170



External control unit

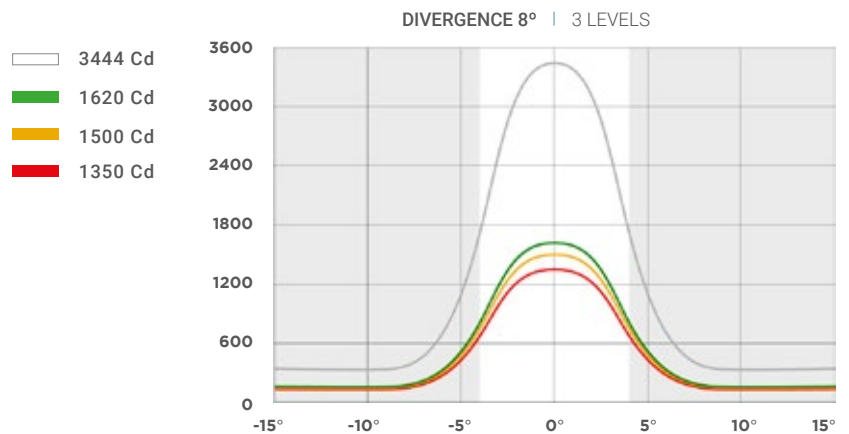
## Technical Features

<b>Light source:</b>	24 to 72 nos. ultra-bright LED diodes, with high-precision acrylic lens, distributed in up to three levels.
<b>Luminous range:</b>	Up to 12 nm (T=0.74) 15 nm (T=0.85).
<b>Vertical divergence:</b>	Up to 8° (50% I <sub>0</sub> ).
<b>LED average life:</b>	More than 100.000 hours.
<b>Power supply:</b>	From 9 to 36 V.
<b>Lantern consumption:</b>	20 W per level.
<b>Flash rhythms:</b>	256 (6 nos. user selectable).
<b>Base:</b>	Marine grade aluminium.
<b>Lens cover:</b>	Acrylic, UV stabilised.
<b>Watertightness degree:</b>	IP 67.
<b>Programming:</b>	PC or Bluetooth.

## Options

- PC programming kit.
- RS-485 MODBUS serial port.
- Other specifications available under request.
- MBL170-SYNC (GPS synchronisation).
- MBL170-TG (GSM remote monitoring).
- MBL170-TR (Radio remote monitoring).
- MBL170-TS (Satellite remote monitoring).
- MBL170-AIS (AIS AtoN).

## Peak intensities (Cd)



Specifications subject to change without previous notice.