



# MARINE COMPACT LED LANTERN

## MCL 330



The MCL 330 is a compact LED marine lantern with great optical efficiency and low consumption, made up of LED diodes of high intensity, reaching a maximum range of 10 nautical miles.

This lantern is ready to integrate a synchronization system.

The battery is replaceable, thus the complete lantern disposal is not necessary at the end of the battery's life. Standard fixings allow for a quick beacon replacement.

Designed according to IALA Recommendations.

## FEATURES

- ✓ High-efficiency luminous system.  
Up to 8 nm (T=0.74), 10 nm (T=0.85).
- ✓ Vertical divergence up to 10°.
- ✓ 360° horizontal output.
- ✓ Average operational lifetime over 15 years.
- ✓ IP 68 watertightness degree (immersion resistant).
- ✓ Double RS-232 serial port for setting adjustments by PC and remote monitoring system.
- ✓ Programming, configuration and operating status via PC or IR programmer.
- ✓ Ready to integrate synchronization via GPS.
- ✓ Automatic energy management, according to latitude.
- ✓ 4 nos. solar modules located on the sides of the lantern.
- ✓ Transport handle, for easy removal of the lantern without obstructing solar rays.

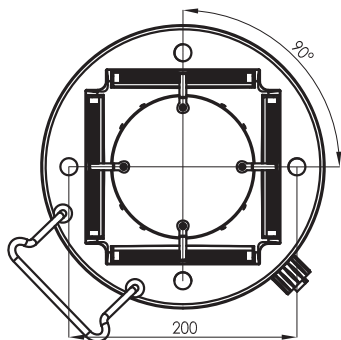
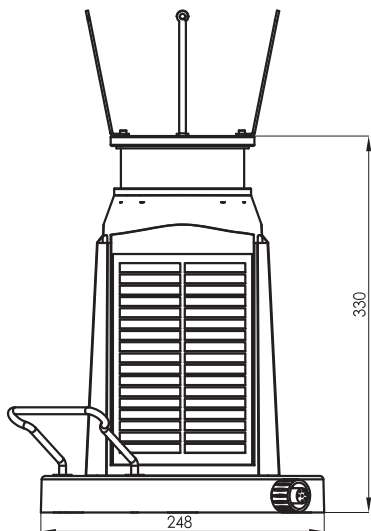


# MARINE COMPACT LED LANTERN

## MCL 330



Specifications subject to change without previous notice. Luminous ranges will be affected depending on latitude, flash rhythms and chosen options.



### Options

- Integrated transport handle (1 or 2 nos.).
- Charge connection port and charger.
- Infrared (IR) programmer.
- PC programming kit.
- Fixing kit for 3 bolts in a 200 mm diameter.
- Other specifications available under request.
- MCL 330-SYNC (GPS synchronization).

### Optical system

Light source:	Ultra-bright LED diodes, distributed in a circular manner (360°).
Luminous range:	Up to 8 nm (T=0.74) 10 nm (T=0.85).
Colours available:	White, green, red and amber.
Vertical divergence:	From 8° to 10° (50% lo).
LED average life:	More than 100,000 hours.

### Electronic control

Flash rhythms:	256 (6 nos. user selectable).
Day/night threshold:	Ajustable in lux.
Solar charge regulation function:	Regulation in 3 phases.
Settings:	PC / IR programmer.
Energy management:	Dynamic, according to latitude.
Light intensity reduction due to low battery:	Configurable by the user.

### Solar modules and battery

Solar modules:	4 nos.
Battery:	16.9 Ah, Lead Crystal® battery

### Materials and environment

Base:	Glass-fibre reinforced polyamide PA66-GF30.
Lens cover:	Polycarbonate, UV stabilised.
Vibration resistance:	MIL-STD-202G, Method 204D (5G).
Shock resistance:	MIL-STD-202G, Method 213B.
Watertightness degree:	IP 68.
Fixings:	4 bolts in a 200 mm diameter.
Humidity resistance:	100%. Pressure-compensation valve to avoid condensation.
Temperature range:	From -40° a 70°C.
Inside hardware:	Stainless steel.
Weight:	9.9 kg.

MCL 330	PEAK INTENSITIES (Cd) (6W)
COLOUR	VERTICAL DIVERGENCE 8°
White	410
Green	330
Red	230
Amber	350

Other divergences available.