



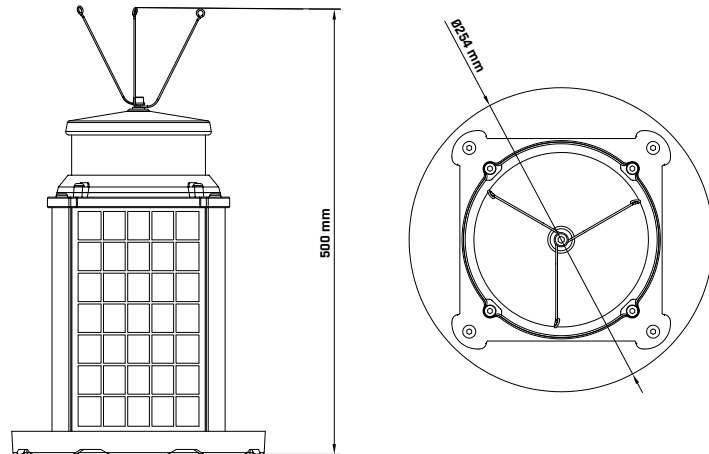
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LN25-MMB

## 2-5 NM WITH INTEGRATED SOLAR PANELS SMART MARINE LANTERN LN25-MMB

With its sturdy construction and high corrosion-resistant aluminum alloy body, the **LN25-MMB** demonstrates resilience to even the most challenging meteorological conditions. The smart marine lantern operates independently with its built-in solar panels and battery, visible from a distance of 2-5 nautical miles, with LEDs compliant with IALA Recommendation E200-2 and a lifespan of over 100,000 hours. The smart marine lantern is available in yellow, red, green or white, in accordance with the color space defined by IALA Recommendation E200-1. It can be configured via IR remote such as flashing rate, flashing mode and intensity.

### HIGH-QUALITY LENS GROUP

The **LN25-MMB** is equipped with precisely developed optical components to ensure accurate light distribution. Due to the optical components that are compliant with IALA Recommendation E200-1, E200-2 and E200-3, the light's vertical divergence angle is greater than 8 degrees, ensuring smooth visibility from all directions with its 360° lens.





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### HIGH EFFICIENCY SOLAR PANELS & MAINTENANCE FREE BATTERY

Equipped with high-efficiency solar panels, the smart marine lantern can generate up to 20W, enabling the internal battery to be fully charged without an external power source. The deep-cycle battery can reach up to 12V 12Ah and operates safely over extended periods without requiring maintenance.

#### LIGHT FEATURES

LIGHT SOURCE	LED
COLOR OPTIONS	Yellow, Red, Green, White
MAXIMUM LIGHT INTENSITY (CD)	Yellow 90 Cd, Red 53 Cd, Green 130 Cd, White 112 Cd
VISUAL RANGE (NM)	2-5 NM @ 0.74
HORIZONTAL LIGHT DISTRIBUTION (DEGREE)	360°
VERTICAL LIGHT DISTRIBUTION (DEGREE)	>8° (±1)
FLASHING RATE	Up to 251 IALA compliant, User programmable (Optional)
FLASHING MODE	Light detection, specified time or automatic sunrise and sunset times (Optional)
INTENSITY	Adjustable brightness for different operational conditions
CONTROL	IR remote, device control switch
LED LIFESPAN (HOURS)	>100000
LED	High Quality Power LED
LENS	Single LED Side Emitting 360° Clear Polycarbonate

#### ELECTRICAL FEATURES

NOMINAL VOLTAGE (V)	12 V
BATTERY CAPACITY (Ah)	12 Ah
BATTERY TYPE	SLA (Lead-Acid AGM)
BATTERY PROTECTION	Under and Over voltage, short circuit and current protection
AUTONOMY	>15 Days (16 hours Night - 8 hours Daytime / Flash Period 0.5 Sec On 3.5 Sec Off)
SOLAR PANEL TECHNOLOGY	Monocrystalline
SOLAR PANEL POWER (W)	20 W (4X5 W)
CHARGER	MPPT
CIRCUIT PROTECTIONS	Surge Current, Voltage and Short Circuit Protection, Blade type fuse and reverse polarity protection

#### PHYSICAL FEATURES

BODY MATERIAL	High-Quality Electrostatic Powder Paint Coated Marine Grade Aluminum Base and Chassis
SOLAR PANEL	Tempered Glass Protected
OPTICAL COVER	UV Resistant Acrylic (PMMA)
WATER RESISTANCE	IP 68
TEMPERATURE RANGE	-20 + 60°C
FIXING	Standard 200mm Bolt Pattern
HEIGHT (MM)	480mm
WIDTH (MM)	254mm
WEIGHT (KG)	10,1 kg

#### OPTIONS AND STANDARDS

STANDARDS	EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019 ETSI EN 301-489-1 V2.2.3, ETSI EN 301-489-52 V1.2.1, EN IEC 61000-6-2:2019, EN IEC 61000-6-1:2019
QUALITY MANAGEMENT	ISO 9001:2015
IALA COMPLIANCE	E200-1, E200-2, E200-3, G1065
OPTIONS	USB, RS-422, GPS Sync, 33,6W(4 X 8.4W) Solar Panel, 24 Ah Battery, 50 mm Pole Mount