

1-4 NM WITH INTEGRATED SOLAR PANELS

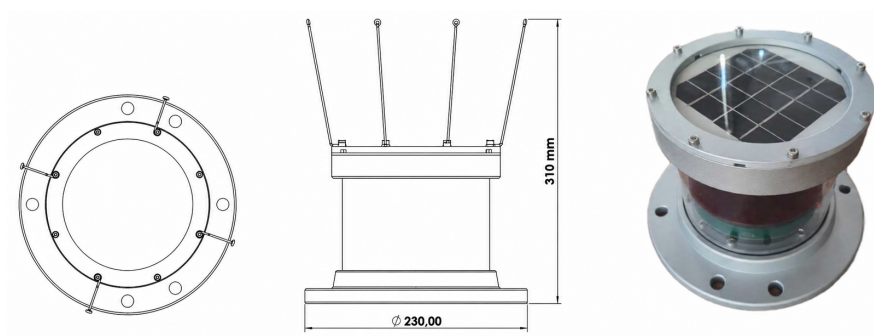
SMART MARINE LANTERN

LN14-MRB

With its sturdy construction and high corrosion-resistant aluminum alloy body, the **LN14-MRB** 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 1-4 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 **LN14-MRB** 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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LN14-MRB





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LN14-MRB

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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 1.9W, enabling the internal battery to be fully charged without an external power source. The Li-ion battery can reach up to 3.65V 5.600Ah and operates safely over extended periods without requiring maintenance.

LIGHT FEATURES

LIGHT SOURCE	LED
COLOR OPTIONS	Yellow, Red, Green, White
MAXIMUM LIGHT INTENSITY	Yellow 21 Cd, Red 14 Cd, Green 38.7 Cd, White 31.5 Cd
VISUAL RANGE	1-4 NM @ 0.74
HORIZONTAL LIGHT DISTRIBUTION	360°
VERTICAL LIGHT DISTRIBUTION	>8° (±1)
FLASH MODE	Up to 251 IALA compliant, User programmable (Optional)
FLASH TRIGGER MODE	Depending on ambient light, specified time or calculated sunrise and sunset times (Optional)
INTENSITY	Adjustable brightness
CONTROL	IR remote controller, configuration switches, ON/OFF switch
LED LIFESPAN	>100000 hours
LED	High Quality Power LED
LENS	Clear Polycarbonate

ELECTRICAL FEATURES

NOMINAL VOLTAGE	3.6 VDC
BATTERY CAPACITY	5600 mAh
BATTERY TYPE	Li-ion
BATTERY PROTECTION	Under and Over Voltage Protection, Overcurrent Protection (OCP)
AUTONOMY	>10 Days (16 hours Night - 8 hours Daytime / Flash Period 0.5 Sec On 3.5 Sec Off)
SOLAR PANEL TECHNOLOGY	Monocrystalline
SOLAR PANEL POWER	1.9 W
CHARGER	MPPT
CIRCUIT PROTECTIONS	Surge Voltage, Surge Current and Overcurrent Protection (OCP)

PHYSICAL FEATURES

BODY MATERIAL	High Quality Electrostatic Powder Coated Marine Grade Aluminium Base and Top
SOLAR PANEL	Tempered Glass Protected
OPTICAL COVER	UV Resistant Acrylic PMMA
INGRESS PROTECTION	IP 68
AMBIENT OPERATING TEMPERATURE	-30 + 60 °C
FIXING	Standard 4 hole 200 mm PCD bolt pattern for M12 bolts
HEIGHT	310mm, 160mm (without bird spike)
WIDTH	230mm
WEIGHT	3.3 kg

OPTIONS AND STANDARDS

STANDARDS	EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019 EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019
QUALITY MANAGEMENT	ISO 9001:2015
IALA COMPLIANCE	E200-1, E200-2, E200-3, G1065
OPTIONS	50 mm Pole Mount