sonar sea

LN25-MMS

GPS SYNC

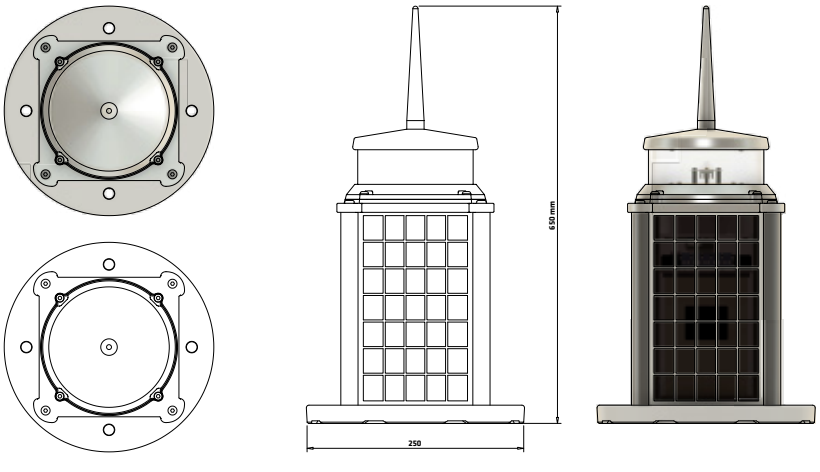
2-5 NM WITH INTEGRATED SOLAR PANELS

SMART MARINE LANTERN LN25-MMS

With its sturdy construction and high corrosion-resistant aluminum alloy body, the **LN25-MMS** 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 and synchronize its flashing pattern via its high-quality built-in GPS receiver.

HIGH-QUALITY LENS GROUP

The **LN25-MMS** 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.



INTERNAL GPS

Our smart marine lantern can flash synchronously by using the built-in high quality GPS receiver. Also, the LN35-MMS can calculate the sunrise and sunset times of its current location everyday by its Sync Start and Stop feature. The smart marine lantern starts flashing at sunrise time and stops at sunset time. The setting eliminates all timing errors in all locations, slopes, angles, or varying light levels, guaranteeing consistent flashing between sunset and sunrise. Our smart marine lanterns in the same location can start and stop flashing simultaneously.

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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 80 Cd, Red 60 Cd, Green 106 Cd, White 128 Cd
VISUAL RANGE (NM)	2-5 NM @ 0.74
HORIZONTAL LIGHT DISTRIBUTION (DEGREE)	360°
VERTICAL LIGHT DISTRIBUTION (DEGREE)	>8°
FLASHING RATE	Up to 251 IALA compliant, User programmable (Optional)
FLASHING MODE	Light detection, specified time or automatic sunrise and sunset times (Optional)
INTENSITY	%25, %50, %75, %100, multiple intensity setting
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	>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 (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 Acrylic 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)	250mm
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, GSM, Satellite Access, 34W(4 X 8.4W) Solar Panel, 24 Ah Battery, 50 mm Pole Mount

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