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LN59-DCG

GPS POSITION

GPS SYNC

GSM CONTROL

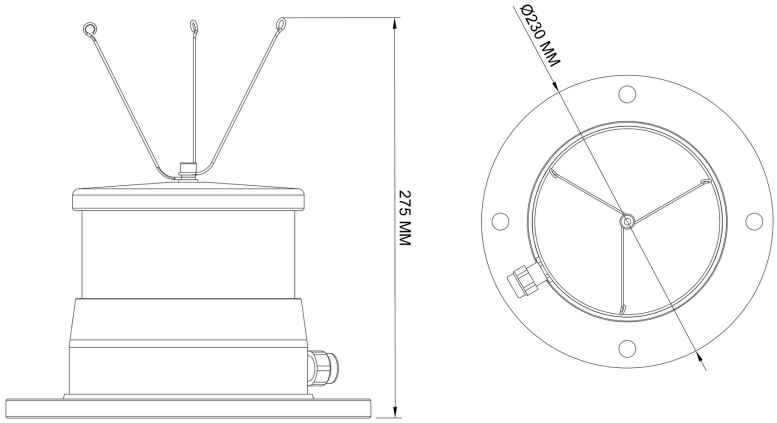
5-9 NM DC POWERED

SMART MARINE LANTERN LN59-DCG

With its sturdy construction and high corrosion-resistant aluminum alloy body, the **LN59-DCG** demonstrates resilience to even the most challenging meteorological conditions. The marine lantern operates using an external DC power supply, visible from a distance of 5-9 nautical miles, with LEDs compliant with IALA Recommendation E200-2 and a lifespan of over 100,000 hours. The 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 **LN59-DCG** 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

The LN series smart marine lantern can flash synchronously using the built-in high quality GPS receiver. Additionally, the **LN59-DCG** can calculate sunrise and sunset times for its current location every day, due to its Sync Start and Stop feature. It begins flashing at sunset time and stops at sunrise eliminating timing errors across various locations, slopes, angles, or light conditions, ensuring consistent flashing between sunset and sunrise. Multiple LN series smart marine lanterns in the same location can start and stop flashing simultaneously.

INTERNAL GSM

Designed to operate fully independently in hard-to-reach areas, the LN series marine lanterns continuously monitor its own operational status and generate warnings for issues such as insufficient power supply. Through GSM integration, it also can be configured via a web page, transmit data such as operating status and location information, and trigger an alarm if it stops working or moves outside the defined location. If the LED unit encounters problems like brightness reduction, efficiency loss, or failure, fault information is transmitted via GSM.

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LN59-DCG

5-9 NM DC POWERED

SMART MARINE LANTERN LN59-DCG

DIRECT OPERATION WITH 12/24 V POWER SUPPLY

Designed for direct operation on 12/24 V DC systems, the 5-9 NM GPS synchronized marine lantern ensures reliable performance.

LIGHT FEATURES	
LIGHT SOURCE	LED
COLOR OPTIONS	Yellow, Red, Green, White
MAXIMUM LIGHT INTENSITY	Yellow 389 Cd, Red 352 Cd, Green 480 Cd, White 450 Cd
VISUAL RANGE	5-8 NM @ 0.74
HORIZONTAL LIGHT DISTRIBUTION	360°
VERTICAL LIGHT DISTRIBUTION	>10° (±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 setting from 1 to 100 as needed
CONTROL	IR remote controller, Over GSM, configuration switches
LED LIFESPAN	>100000 hours
LED	High Quality Power LED
LENS	Clear Polycarbonate
ELECTRICAL FEATURES	
NOMINAL VOLTAGE	12 VDC
CIRCUIT PROTECTIONS	Surge Current, Surge Voltage, Overcurrent Protection (OCP) and Reverse Polarity Protection
PHYSICAL FEATURES	
BODY MATERIAL	High Quality Electrostatic Powder Coated Marine Grade Aluminium Body
OPTICAL COVER	UV Resistant Acrylic PMMA
INGRESS PROTECTION	IP 68
AMBIENT OPERATING TEMPERATURE	-20 + 60°C
FIXING	Standard 3&4 hole 200 mm PCD bolt pattern for M12 bolts
HEIGHT	270mm, 150mm (without bird spike)
WIDTH	229mm
WEIGHT	4.3 kg
OPTIONS AND STANDARDS	
QUALITY MANAGEMENT	ISO 9001:2015
IALA COMPLIANCE	E200-1, E200-2, E200-3, G1065
OPTIONS	RS-422, 50 mm Pole Mount

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IALA Industrial member of IALA