

VESSELS OVER 50M IN LENGTH LED NAVIGATION LIGHT NV50

A high-performance navigational light system designed for vessels over 50 meters in length. Ensures compliance with international maritime regulations and provides reliable visibility in low-light or restricted-visibility conditions. Suitable for commercial, passenger, and special-purpose vessels requiring robust, long-lasting navigational lighting solutions.

REGULATORY COMPLIANCE

Fully meets or exceeds the requirements of **COLREG 72** for vessels over 50 meters, ensuring legal compliance and minimizing the risk of penalties.

DURABLE CONSTRUCTION

Manufactured with high-quality acrylic paint coated marine-grade aluminum base and chassis to withstand harsh maritime environments, reducing the need for frequent replacements.

HIGH VISIBILITY

Designed to provide optimal luminous output (up to 6 nm for masthead and 3 nm for side lights), improving safety during night-time operations or restricted visibility.

LOW POWER CONSUMPTION

Modern energy-efficient LED technology reduces fuel consumption for power generation and minimizes operational costs.

EXTENDED LED LIFESPAN

High-quality LED modules offer 100,000 hours of operation, reducing bulb changes, maintenance costs, and overall downtime compared to traditional incandescent solutions.

EXTENDED SERVICE LIFE

LED-based models offer significantly longer lifespans than traditional bulbs, reducing maintenance intervals and overall cost of ownership.



EASE OF INSTALLATION

Compatible with standard ship power systems (24 VDC / 110 VAC / 220 VAC) and includes versatile mounting options for different vessel configurations.

IP67 PROTECTION

High ingress protection rating ensures reliability in extreme weather, sea spray, and other challenging marine conditions.

FLEXIBLE CONFIGURATION

A full range of navigational lights (masthead, side, stern, towing, and anchor) tailored to various vessel layouts and operational requirements.

MAINTENANCE-FRIENDLY DESIGN

Quick access to internal components and minimal moving parts allow fast inspections and easy replacement of consumables, minimizing downtime.



CLASS SOCIETY APPROVALS

Certified or approval-ready for leading classification societies streamlining the process of obtaining flag state certifications.

OPTIONAL CONTROL INTERFACE

Navigation light control interface is designed for quick, accurate management of various shipboard lights. Featuring preset scenarios and COLREG-aligned combinations, it ensures compliance and clarity.

TECHNICAL DATA // Led Navigation Lights NV50

										
	112.5' 3 nm	112.5' 3 nm	225' 6 nm	135' 3 nm	135' 3 nm	135' 3 nm	360' 3 nm	360' 3 nm	360' 3 nm	360' 3 nm
	STARTBOARD	PORT	MASTHEAD	STERN	TOWING	SUEZ	SIGNAL	SIGNAL	SIGNAL	SIGNAL
DOUBLE LANTERNS										
POWER SUPPLY / SPANNUNG	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC
POWER CONSUMPTION / LEISTUNG	5 W	3 W	17 W	3 W	6 W	3 W	8 W	6 W	10 W	12 W
WEIGHT	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG
ENCLOSURE RATING	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
SINGLE LANTERNS										
POWER SUPPLY / SPANNUNG	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC	24 DC - 115/230 AC
POWER CONSUMPTION / LEISTUNG	5 W	3 W	17 W	3 W	6 W	3 W	8 W	6 W	10 W	12 W
WEIGHT	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG	5 KG
ENCLOSURE RATING	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67

Optional Control Panel

