LED Marine Search Light, 200 / 250 / 350 W

Maintenance-free, narrow-beam LED searchlight in stainless steel and marine-grade aluminum.
A direct LED replacement for 1,000-5,000 W xenon and halogen units on patrol, rescue and work vessels.

200-350 W	2° FWHM	2,500-3,500 m	IP67
Power versions	Beam divergence	Range to 1 lux (approx.)	Ingress protection

Overview

A long-range LED searchlight for situations that call for a lot of light, a narrow angle or a long throw. A 2° optical system with an aluminum reflector delivers a tight, laser-like beam. The bright, cool-white light includes a large part of the blue spectrum, which suits arctic conditions. Compared with xenon and halogen lamps it uses far less power, lasts longer and needs minimal maintenance. The compact footprint makes installation easy.

Technical parameters

Model	LCD-SST-250-LN2-65K (250 W reference model)
Power versions	200 W, 250 W, 350 W
Light source	High-power LED
Color / CCT	Cool white, 6500 K
Total luminous flux	11,250 - 33,560 lm (depending on version)
Peak intensity	6.25 Mcd
Beam divergence	2° FWHM (optic range 2-2.5°)
Beam distance (1 lux)	Approx. 2,500 - 3,500 m
Input voltage	220 V (standard); AC 100-277 V or DC 12 / 24 / 28 / 32 V on request
Control and mounting	MD, MC and EC mounting types. Pan 0-350°, tilt -30° to +30° (MC and EC types)
Ingress protection	IP67 (IP68 on request)
Impact / vibration	IK08-IK09 / 5-6 G
Operating temperature	-30 °C to +50 °C
Housing	Stainless steel and aluminum; hardware in stainless steel
Reflector	Marine-grade pure aluminum 1070
Lens	UV-resistant toughened tempered glass
Finish	Silver grey (standard) or white
Dimensions	220 × 180 × 88 mm
Warranty	5 years (marine applications)
Certification	CE, RoHS, CCC, TUV, SAA, CB, ETL

Features

- **Long-range 2° optics.** Focused beam with parallel, laser-style rays for illumination out to several kilometers.
- **Low power consumption.** Replaces 1,000-8,000 W xenon, halogen, HID and metal-halide searchlights.
- **Seawater-ready construction.** Corrosion-resistant stainless steel housing and hardware, sealed IP67 body.
- **Rugged.** Rated for high impact and vibration, and for operation from -30 °C to +50 °C.
- **Flexible mounting and control.** Fixed, manual and motorized pan-tilt versions to suit the installation.
- **Optional thermal imager.** A version with an onboard thermal imager is available.

Applications

- **Navigation.** Spotting buoys, obstacles and icebergs ahead of the vessel.
- **Search and rescue.** Man-overboard and distress searches at range.
- **Security and surveillance.** Illuminating distant targets and supporting camera systems.
- **Patrol and workboats.** Coast patrol, windfarm support and offshore work vessels.
- **Superyachts and leisure craft.** Long-range forward lighting for night passages.
- **Arctic operations.** Bright, blue-rich light for cold, low-visibility waters.

Illumination distances are calculated for clear conditions and drop sharply in smoke, fog or smog. Specifications are subject to change without notice.