



SEARCHMASTER

INTELLIGENT AND LIFESAVING SEARCHLIGHT

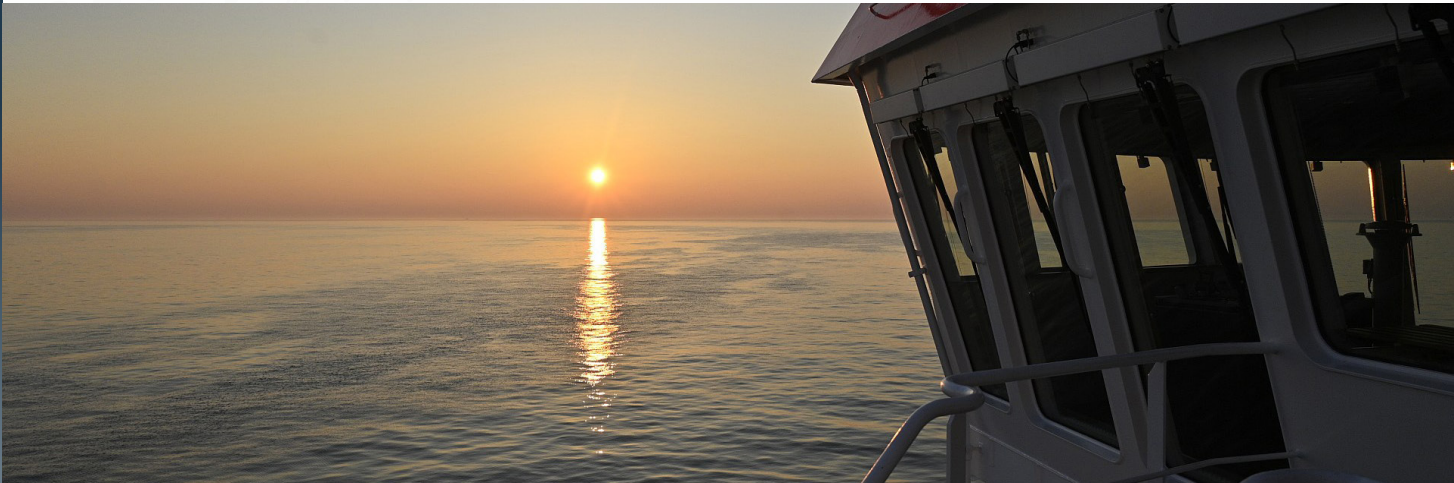
See better,
operate better.



WWW.SEARCHMASTER.DK

Juni 2026

OUR MISSION



Our founder's mission was to transform maritime lighting by developing next-generation searchlight systems engineered for extreme marine environments.

Designed for superior durability, efficiency, and reliability, our products ensure that every vessel can operate safely and efficiently, even in the most challenging conditions.

Why SEARCHMASTER

- Unique design protecting all electronics
- Fast and accurate rescue with automatic AIS-SART tracking
- Automatic MOB -Man Overboard function tracks the distressed via an AIS-SART device
- Access to AIS, Radar, GPS and Compass
- Automatic scanning 40, 90 and 180°
- The best and most stable active-stabilization
- Automatic beam width
- Networked solutions with multiple searchlights, controllers and joysticks
- Enhanced operational effectiveness and safety

OUR BRAND



SEARCHMASTER LED Searchlights deliver powerful, precise illumination using advanced optics, robust engineering, and energy efficient LED technology in a patented glass cylinder that protects all electrical components for long term reliability.

Designed for demanding marine environments, it provides outstanding brightness, precise beam control, and an extended operational lifetime – delivering dependable performance when visibility matters most.

Designed for durability and easy operation, Searchmaster suits all vessel types and maritime applications, from navigation to offshore and safety critical tasks. Its rugged construction and long life LEDs ensure minimal maintenance, low downtime, and cost effective performance in harsh conditions.

With SEARCHMASTER LED Searchlight, you gain confidence in every situation at sea – because

See better, operate better.

PRODUCT OVERVIEW

7 searchlight models with control options



SL170 NB



SL340 NB



SL680 NB



SL340 NB-C



SL340 WB-C



SL680 WB-C



SL1300 WB (Pending)

Control Options



JS080



LC100

SYSTEM & NETWORK



BASIC SYSTEMS



STANDARD SYSTEMS

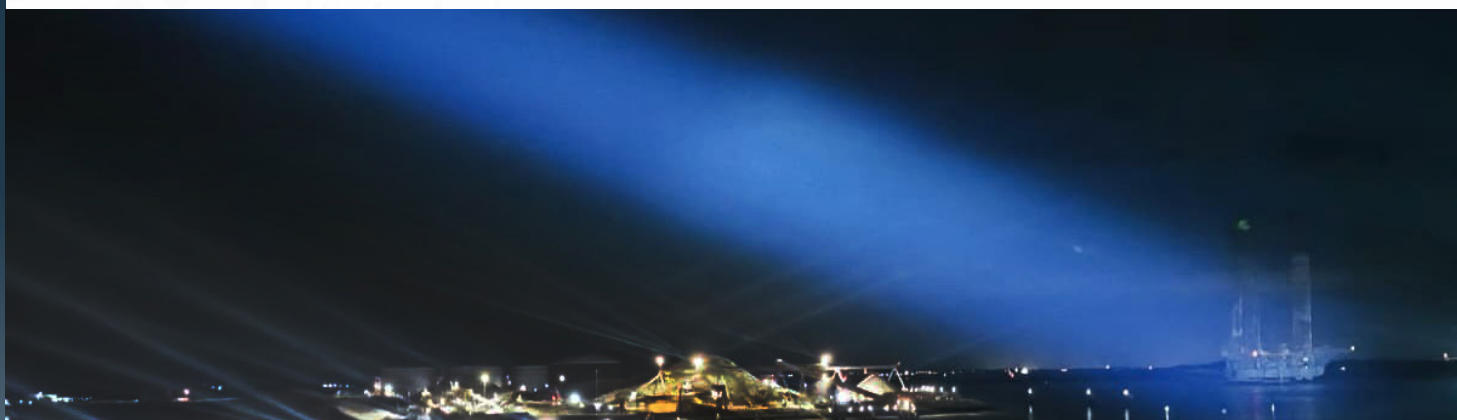


NETWORK SYSTEMS

UNIQUE FUNCTIONS

	All NB	All NB-C	All WB-C	Basic
High durability and low maintenance	✓	✓	✓	✓
Contribute to a safer work environment	✓	✓	✓	
Radar- and AIS tracking	✓	✓	✓	
Fast and accurate rescue with automatic AIS-SART tracking	✓	✓	✓	
Automatic scanning (40°, 90°, 180°)	✓	✓	✓	
Audible (MOB) alarm	✓	✓	✓	
Automatic (MOB) Man Overboard function (tracking of AIS - and PAB signals)	✓	✓	✓	
Multiple applications within all segments	✓	✓	✓	✓
Access to AIS, Radar, GPS and compass	✓	✓	✓	
Automatic beamwidth based on distance	✓	✓	✓	
Manual - and Auto mode	✓	✓	✓	
Remote autonomous function	✓	✓	✓	
The best and most stable self-stabilizing light focus	✓	✓	✓	✓
Flexible network system for all types of vessels	✓	✓	✓	
Energy efficient with LED technology	✓	✓	✓	✓
Relieve personnel	✓	✓	✓	
Push-lock WK20 metal connectors	✓	✓	✓	✓
Ice-mode	✓	✓	✓	

NARROW BEAM - 4,5°



	<u>SL170 NB</u>	<u>SL340 NB</u>	<u>SL680 NB</u>	<u>SL340 NB-C</u>
Dimensions:	Ø24 x 40 cm	Ø24 x 60 cm	Ø34 x 65 cm	Ø34 x 50 cm
Weight:	14,3 kg	19,4 kg	36,0 kg	28,0 kg
Lumen:	18.000	36.000	72.000	36.000
Light:	950 m / 1 LUX	1.250 m / 1 LUX	1.800 m / 1 LUX	1.250 m / 1 LUX

Clear long-range visibility is key for safe navigation and SAR.
A narrow beam concentrates light for higher intensity and longer reach.

SEARCHMASTER delivers precise long-distance illumination, ideal for target identification and navigation.

The SEARCHMASTER NB versions are designed for applications requiring fast, precise tracking and long-range visibility.

Featuring a 4.5° narrow beam, they deliver high on-axis intensity and strong contrast, making them ideal for illuminating distant or small targets. Available from 170W to 680W, they provide consistent narrow-beam performance across different vessel types.

Integrated pitch and roll stabilization ensures the beam remains accurately directed despite vessel motion and sea conditions.
NB versions are best suited for applications where reach, precision, and stable target illumination are prioritized over wide area coverage.

* See full overview of unique functions on Page 6

WIDE BEAM - 7°



	<u>SL340 WB-C</u>	<u>SL340 WB-C</u>	<u>SL1300 WB - PENDING</u>
Dimensions:	Ø24 x 40 cm	Ø34 x 50 cm	Ø34 x 65 cm
Weight:	14,3 kg	28,0 kg	36,0 kg
Lumen:	30.000	60.000	120.000
Light:	1.000 m / 1 LUX	1.450 m / 1 LUX	2.200 m / 1 LUX

Available in 340W, 680W and 1300W, they deliver durable, efficient performance with flexible installation.

The Searchmaster WB versions combine exceptional durability with advanced functionality for professional marine operations.

Based on a 7° controlled beam, the WB variants are designed to illuminate a larger area while maintaining defined beam geometry and predictable light behavior.

To ensure sufficient usable illumination across the wider beam, WB versions operate at higher power levels, ranging from 340W up to 1300W across the searchlight family.

Despite the increased output, the design remains compact and robust, allowing installation in confined spaces without compromising optical performance or operational reliability.

WB versions are typically selected where situational awareness, and broader scene coverage are required

* See full overview of unique functions on Page 6

LC100 CONTROLLER



LC100

Length:	33 cm
Height:	18 cm
Width:	18 cm
Weight:	2,3 kg.

Reliable and intuitive control is essential for safe and precise searchlight operation in all marine conditions.

The LC100 controller delivers simple, responsive operation through a user-friendly interface, ensuring accurate control and seamless integration with the searchlight system.

The LC100 is a compact, dependable searchlight controller designed for professional marine use, providing precise and effortless operation.



* See full overview of unique functions on Page 6

JS080 JOYSTICK



JS080

Length:	12 cm
Height:	12 cm
Width:	10 cm
Weight:	1,0 kg.

Flexible control is essential for safe and efficient operation of the searchlight in all onboard situations.

The IP66-rated design allows installation both inside and outside the wheelhouse, while enabling control from multiple locations or as the main interface.

The JS080 analogue joystick is a versatile control unit for the Basic Searchlight System, providing reliable and flexible operation.



* See full overview of unique functions on Page 6

BASIC SYSTEMS



Simple, reliable operation when advanced features are not required.
The Searchmaster Basic System combines an SL Series LED searchlight with a JS080 Joystick for dependable illumination.

Built for harsh environments with durable marine-grade design.
Self-stabilizing ensures stable performance in rough seas.

Manual mode enable easy operation.
A streamlined, cost-effective solution without unnecessary complexity.

User-friendly control ensures quick response.
A practical, entry-level solution for all vessel types.

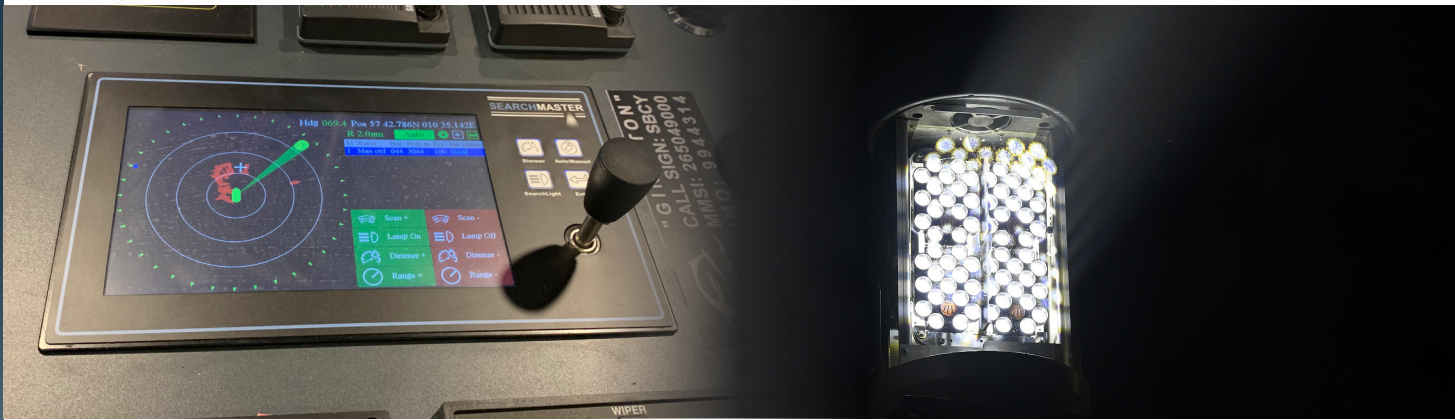


* Option to upgrade to other Basic SL Systems

* Option to upgrade to standard system

* See full overview of unique functions on Page 6

STANDARD SYSTEMS



The Searchmaster Standard System combines an SL Series LED searchlight with an intuitive controller for reliable marine illumination.

Built for harsh environments with durable marine-grade design and long-life LED technology.

Self-stabilizing ensures precise performance in rough seas.
Manual and automatic modes enable easy operation and accurate tracking.
Integration with AIS, radar, GPS, and compass improves awareness.

Automatic scanning and MOB tracking enhance safety.
User-friendly control ensures fast response.
A compact, intelligent solution for all vessel types.



* Option to upgrade to other Standard SL Systems

* Option to upgrade to a network system

* See full overview of unique functions on Page 6

NETWORK SYSTEM



Coordinated control is essential for safe and efficient operation when multiple searchlights are used.

The system network connects up to three searchlights, enabling synchronized control and flexible operation from a several LC100 Controllers / JS080 Joysticks.

A compact network solution for up to three Searchmaster searchlights—delivering reliable, integrated control across the vessel.



* See full overview of unique functions on Page 6

SPECIFICATIONS

VOLTAGE

18-32 Volt DC / 110-440V AC

SPECIAL FUNCTIONS

Manual mode

Auto mode

Auto rewind mode: 540°

Swirvel radius: 540° Horiz. 80°
Verti.

Azimuth: 360° Horiz.

INTERFACE INPUT

NMEA, HDM, HDT, GGA, GGL, TTM, TTL,
VGT, RMC and AIS - VDO/VDM

INTERFACE OUTPUT

One data - and one alarm output

NETWORK

RS485 (Proprietary protocol)

TECHNICAL DATA

Operating temp. -25° to +55° C

IP Class SL & JS080: IP66

IP Class LC100: IP20

OPTIC

Output angle: Min. 4,5°
Max. 20°

Focus: Variable

Pitch / Roll:

+/- 40° stabilized SL170 NB
SL340 NB
SL340 WB-C

+/- 30° stabilized SL680 NB
SL340 NB-C
SL680 WB-C
SL1300 WB

LIGHT TECHNICAL DATA

Light source:	LED
170 Watt	SL170 NB
340 Watt	SL340 NB
340 Watt	SL340 NB-C
340 Watt	SL340 WB-C
680 Watt	SL680 NB
680 Watt	SL680 WB-C
1300 Watt (PENDING)	SL1300 WB

Colour temp.:	5.700 kelvin
CRI:	70

LUMEN OUTPUT

SL170 NB:	18.000
SL340 NB:	36.000
SL340 NB-C:	36.000
SL680 NB:	72.000
SL340 WB-C:	30.000
SL680 WB-C:	60.000
SL1300 WB:	120.000

CERTIFICATES

IEC-60945 approved
ISO 9001:2015 certified
IP Patent approved - EP3760921

COUNTRY OF ORIGIN

Denmark

CONTACT DETAILS



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DISTRIBUTORS

We work with a strong and extensive network of authorized distributors worldwide, ensuring local support and expertise wherever our products are used.

For detailed information about our distributors and regional availability, please visit our website.