



SEARCHMASTER

INTELLIGENT AND LIFESAVING SEARCHLIGHT



Unique and innovative searchlight
which makes a real difference

QUALITY YOU CAN SEE

WORK SMARTER

SEARCHMASTER Intelligent Searchlight

A safe choice for all types of vessels

High quality - innovative design with high durability

The intelligent and lifesaving searchlight is manufactured in high-quality materials. The glass cylinder protects all the electronic parts from the harsh environment and ensures that the searchlight is 100% waterproof.

The searchlight is developed, manufactured, and tested at our workshop in Esbjerg - Denmark by our high qualified technicians, who have extensive knowledge within the maritime industry.

We strive to be the best in our field and to continuously have focus on new developments.

We offer State-of-the-art products, with a 24-month warranty.



An excellent innovative LED searchlight

Unique performance for all vessels

SEARCHMASTER UNIQUE FUNCTIONS

	SL170	SL340	SL680	Basic
High durability and low maintenance	✓	✓	✓	✓
Contribute to a safer work environment	✓	✓	✓	
Radar 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	✓	✓	✓	

SEARCHMASTER SEARCHLIGHT SL170

The 170-watt LED searchlight is an excellent choice for all types of vessels, that require fast and accurate tracking with self-stabilization. The pitch and roll sensors ensures that you will keep focus on the selected target despite the weather conditions.

* See full overview of unique functions (page 3)

Dimensions: Ø24 x 40 cm
Weight: 14,3 kg
Lumen: 18.000
Light beam: 950 m /1 LUX

Controller LC100

Dimensions: 33 x 18 x 18 cm
Weight: 2,3 kg



SEARCHMASTER SEARCHLIGHT SL340

The 340-watt LED searchlight is an excellent choice for vessels within all segments.

Work smarter with the unique functions and make use of the multiple applications in which the searchlight can assist the crew onboard while it contributes to a safer work environment.

* See full overview of unique functions (page 3)

Dimensions: Ø24 x 60 cm
Weight: 19,4 kg
Lumen: 36.000
Light beam: 1.250 m / 1 LUX

Controller LC100

Dimensions: 33 x 18 x 18 cm
Weight: 2,3 kg



SEARCHMASTER SEARCHLIGHT SL680

The 680-Watt LED searchlight, a high-end product for all vessel types. It is the most powerful and durable LED searchlight available, designed to withstand harsh sea conditions. The final tests and WheelMark approval is pending, but it is expected to be in stock by spring 2024.

* See full overview of unique functions (page 3)

Dimensions: Ø34 x 65 cm
Weight: 36 kg
Lumen: 72.000
Light beam: 1.800 m / 1 LUX

Delivery: Please contact us for further information

Controller LC100

Dimensions: 33 x 18 x 18 cm
Weight: 2,3 kg



SEARCHMASTER ANALOG JOYSTICK JS080

The analog joystick-JS080 is an option, if you wish to take control of the searchlight from multiple places onboard or as the main control for the “basic” Searchlight System. The joystick is IP66 approved which makes installation outside the wheelhouse an option.

Dimensions: 12 x 12 x 10 cm
Weight: 1 kg

Joystick JS080

*Available in stock, end 2023



SEARCHMASTER BASIC SEARCHLIGHT SYSTEM

The basic and low-priced system is an option for the clientele who requires a lighter system without intelligent – and lifesaving functions.

- * See full overview of unique functions (page 3)
- * Option to upgrade to SL340 or SL680
- * Option to upgrade to standard system

Dimensions: Ø24 x 40 cm
Weight: 14,3 kg
Lumen: 18.000
Light beam: 950 m /1 LUX

Joystick JS080

Dimensions: 12 x 12 x 10 cm
Weight: 1 kg



SEARCHMASTER

MADE TO MATCH YOUR REQUIREMENTS

The SEARCHMASTER LED Searchlight product line is flexible, and we offer various customized solutions and combinations.

Combinations with multiple searchlights, controllers and joysticks in one network.

Contact us for more information:

sales@searchmaster.dk





Multi-Intelligent functions in one

The unique SEARCHMASTER Search-
light
Your safe and lasting choice...
Built to perform

SEARCHMASTER

TECHNICAL SPECIFICATIONS

VOLTAGE
18-32 Volt DC

CABLE SPECIFICATIONS

Power cable 24 volt
4 x 2,5 mm² shielded
Controller cable
0,75 mm² 2 x 2 twisted pair,
shielded

VIBRATION TEST 2-100 HZ
Approved

INTERNATIONAL STANDARD
IEC-⁶⁰⁹⁴⁵ approved

NETWORK CONNECTIONS
RS⁴⁸⁵ (Proprietary protected)

IP CLASSIFICATION
IP⁶⁶

INTERFACE
Input
NMEA, HDT, GGA, TTM and
AIS VDO

Output
One data - and one alarm output

PITCH AND ROLL
SL¹⁷⁰: +/- 400 stabilized
SL³⁴⁰: +/- 400 stabilized
SL⁶⁸⁰: +/- 300 stabilized

OPERATING TEMPERATURE
-25⁰ to +55⁰ Celsius

MINIMUM LIGHT BEAM WIDTH
Width 3⁰
Accuracy: 3⁰ within one second

MAXIMUM LIGHT BEAM WIDTH
Width: 20⁰
Accuracy: 3⁰ within one second

MAGNETIC SAFETY DISTANCE
0,95 meters

RIGHTS
Patented and Trademark
protected

COUNTRY OF ORIGIN
Denmark

DISTRIBUTOR CONTACT DETAILS



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SEARCHMASTER

AIS - MOB DEVICES | PERSONAL AIS BEACON

The automatic Man Overboard function (MOB) is activated by all the following AIS - MOB devices.

AIS SART
Personal AIS Beacon
Personal Locating Beacon w/ AIS
AIS-EPIRB

NOTE!
Programming of devices not required
Suitable for almost all life jackets





Scandinavian design and quality

Low maintenance and high durability



Work SMART, Stay FOCUSED,
Save TIME and Be SAFE

Unique intelligent and
lifesaving searchlight

For more information, please contact



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