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# 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

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## 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

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Unique performance for all vessels

## 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	✓	✓	✓	

## SEARCHLIGHT SL170

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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

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



## SEARCHLIGHT SL340

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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

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



## SEARCHLIGHT SL680

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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)

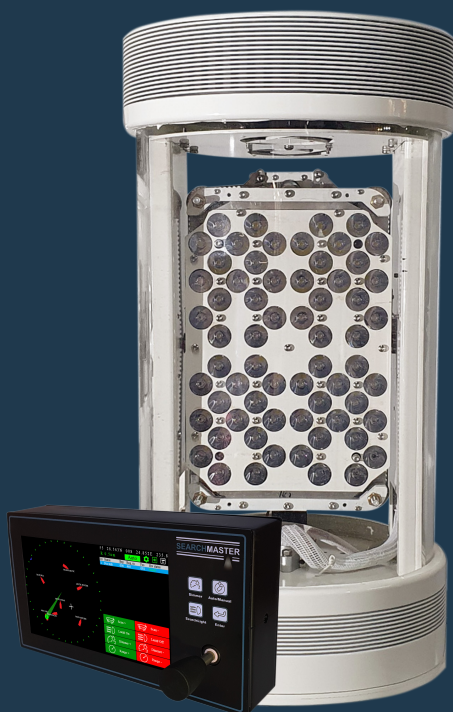
Dimensions: Ø34 x 65 cm  
Weight: 34,4 kg  
Lumen: 72.000  
Light beam: 1.800 m / 1 LUX

Delivery: Please contact us for further information

## Controller LC100

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



## ANALOG JOYSTICK JS080

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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

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\*Available in stock, end 2023





## BASIC SEARCHLIGHT SYSTEM

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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

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



## MADE TO MATCH YOUR REQUIREMENTS

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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](mailto:sales@searchmaster.dk)





Multi-Intelligent functions in one

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The unique SEARCHMASTER Searchlight  
Your safe and lasting choice...  
Built to perform

# TECHNICAL SPECIFICATIONS

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## VOLTAGE

18-32 Volt DC

## CABLE SPECIFICATIONS

Power cable 24 volt

4 x 2,5 mm<sup>2</sup> shielded

Controller cable

0,75 mm<sup>2</sup> 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

-25° to +55° Celsius

## MINIMUM LIGHT BEAM WIDTH

Width 3°

Accuracy: 3° within one second

## MAXIMUM LIGHT BEAM WIDTH

Width: 20°

Accuracy: 3° within one second

0,95 meters

## RIGHTS

Patented and Trademark  
protected

## COUNTRY OF ORIGIN

Denmark

## CONTACT DETAILS

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## 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

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Low maintenance and high durability



Work SMART, Stay FOCUSED,  
Save TIME and Be SAFE

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Unique intelligent and  
lifesaving searchlight

LEARN MORE

