



# SEARCHMASTER

## INTELLIGENT AND LIFESAVING SEARCHLIGHT

### Searchlight SL680 incl. LC100 Controller

The innovative housing of the SL680 searchlight system is designed to ensure exceptional durability and reliability. The intelligent functions of the searchlight significantly enhance operational performance and efficiency. Equipped with self stabilizing technology, it improves the ability to navigate quickly and accurately, even in rough sea conditions with pitch and roll.

SKU: 0-600  
Stock status: Available



### Technical Specifications

#### ELETRICAL DATA

Main supply	24 V / DC
Minimum voltage	18 V / DC
Maximum voltage	32 V / DC
Total consumption (Watt)	710 W

#### SPECIAL FUNCTIONS

Operation mode	SEARCHMASTER Manual
Operation mode	SEARCHMASTER Auto
Automatic rewind rotation	540°
1 LUX range	1.800 meters
Swivel radius	540° horizontal and 80° vertical.
Azimuth	360° horizontal

#### TECHNICAL DATA

Minimum operating temperature	- 25° Celsius
Maximum operating temperature	+ 55° Celsius
IP classification	IP66 (SL680)
IP classification	IP20 (LC100)

#### OPTIC

Output angle	Spot 3°
Focus	Variable
Pitch / Roll	Searchlight +/- 30° stabilized

#### LIGHT TECHNICAL DATA

Light source	LED
LUMEN out (lm)	72.000
LED lens panels	4
Power consumption light source (W)	680 Watt



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Minimum light beam width	3°
Maximum light beam width	20°
Lumen per watt (lm / W)	110
Lamp color temperature	6000
CRI color rendering index	70
Candela output (cd)	3.240.000

### HOUSING

Top and bottom material	Marine Grade Aluminum (AW6082)
Surface treatment	Powder coated and corrosion protected.
Glasstube	Hydrolytic glass class 1
LED	Panel with OSRAM
Color top/bottom	White RAL9010
Internal surfac	Powder coated aluminum / Stainless steel

### INTERFACE

Input	NMEA, HDT, GGA, TTM and AIS VDO
Output	One data – and one alarm output
Network connections	RS485 (Proprietary protected)

### CERTIFICATES

Marine IEC 60945 approved	Yes
ISO 9001:2015 certified	Yes
WheelMark approval	PENDING
IP Patent	PENDING

### DIMENSIONS

SL680:	
Height (cm)	65
Diameter (cm)	Ø34
Net weight (kg)	36
LC100:	
Length (cm)	33
Height (cm)	18
Width (cm)	18
Net weight (kg)	2,3