

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:**That the Searchlights for use in Lifeboats and Rescue Boats**

with type designation(s)

Watertight Searchlight BREMEN

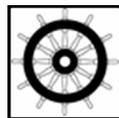
Issued to

**Glamox Production GmbH & Co. KG
Bremen, Germany**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2017/306,****item No. MED/1.38. SOLAS 74, Regulation III/4, III/34 & X/3, LSA Code and 2000 HSC Code 8**

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-08-14.**Issued at **Hamburg** on **2017-08-15**DNV GL local station:
Bremerhavenfor **DNV GL SE**Approval Engineer:
Andrea GrünNotified Body
No.: **0098****Sven Dudszus
Head of Notified Body**

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Product description

Watertight searchlight BREMEN (Trademark: aqua signal)
3313002000, 3313003000, 3313004000, 3310001000

Types	3313003000	24V	(50W)
	3313004000	12V	(50W halogen)
	3313002000	12V	(30W)
	3310001000	12-24 V	(12W)

Lamp:	Built-in-sealed beam / LED
Ingress protection:	IP 68
Accessories:	Clamp holder Slip-on-holder

Construction: Injection moulded housing from caoutchouc material black elastic rubber.

Arrangement to be provided for connection to the lifeboat and rescue boat power supply.

Application/Limitation

None

Type Examination documentation

List of Approval test reports	Document No. 7331300900	Index 00	dated 2017-08-14
List of Approval documents	Document No. 7331300800	Index 00	dated 2017-08-14

Tests carried out

Applicable tests according to IEC 60945:2002 and IMO Res. MSC.81(70), as amended.

Marking of product

According to Article 10 of the Council Directive (MED):

- The wheel mark shall be affixed visibly, legibly and indelibly to the product or to its data plate and, where relevant, embedded in its software. Where that is not possible or not warranted on account of the nature of the product, it shall be affixed to the packaging and to the accompanying documents.
- The wheel mark shall be affixed at the end of the production phase.
- The wheel mark shall be followed by the identification number of the notified body, where that body is involved in the production control phase, and by the year in which the mark is affixed.
- The identification number of the notified body shall be affixed by the body itself or, under its instructions, by the manufacturer or the manufacturer's authorised representative.

For specific products, manufacturers may use an appropriate and reliable form of electronic tag instead of, or in addition to, the wheel mark.

END OF CERTIFICATE