

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00003EU
Revision No:
6

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 Navigation lights

with type designation(s)
Series 34, 70, 70M

Issued to

GLAMOX NT Sp. z o.o.
Kraków, Poland

is found to comply with the requirements in the following Regulations/Standards:
Regulation (EU) 2022/1157,
item No. MED/6.1. COLREG 72 as amended, Annex I/14, IMO Res. A.694(17), IMO Res. MSC.253(83)

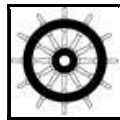
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-09-04**.

Issued at **Hamburg** on **2023-09-05**

DNV local unit:
Katowice CMC

Approval Engineer:
Didier Girardin



Notified Body
No.: **0098**



for **DNV GL SE**
Digitally Signed By: Mydlak-Röder, Christine
Location: DNV GL SE, Hamburg, Germany

Christine Mydlak-Roeder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

MED/6.1 Navigation lights

Incandescent and LED navigation lamps series type 34, 70, 70M

Dependent on Series navigation lights to be supplied with either 24 Vdc or 115 / 230 Vac (see notes)

Navigation lights of the Series 34 ¹⁾ (LED type)			
1	SBB 34	Port light, red, 112,5°	2 nm
2	SSB 34	Starboard light, green, 112,5°	2 nm
3	H 34	Stern white, 135°	2 nm
4	SBB 34 Edelstahl	Port light, red, 112,5°	2 nm
5	SSB 34 Edelstahl	Starboard light, green, 112,5°	2 nm
6	H 34 Edelstahl	Stern white, 135°	2 nm
7	BIC 34	Bicolour red/green 112,5°/112,5°	2 nm
8	T 34	Masthead light, white, 225°	3 nm
9	TriC 34	Tricolor light, white/red/green 135°/112,5°/112,5°	2 nm
10	SR 34	All-round light red, 360°	2 nm
11	SG 34	All-round light green, 360°	2 nm
12	SW 34	All-round light white, 360°	2 nm
13	SW/T 34	Combined all-round-light, white/masthead light 225°	3 nm
14	SW/TDH 34	Combined all-round-light, white/Tricolored light 135°/112,5°/112,5°	2 nm

Navigation lights of the Series 70 M ²⁾ (incandescent light type)			
1	SSb 70 M	Starboard light, green, 112, 5°	3 nm
2	SBb 70 M	Port light, red, 112.5 °	3 nm
3	H 70 M	Sternlight, white, 135°	3 nm
4	HGe 70 M	Sternlight, yellow, 135°	3 nm
5	T 70 M	Masthead light, white, 225°	6 nm
6	SW 70 M	All-round light, white, 360°	3 nm
7	SR 70 M	All-round light, red, 360°	3 nm
8	SG 70 M	All-round light, green, 360°	3 nm
9	SGe 70 M	All-round light, yellow, 360°	3 nm
10	SW / SR 70 M	All-round light, white / red 360°	3 nm
11	SR / SW 70 M	All-round light, red / white 360°	3 nm
12	SR / SG 70 M	All-round light, red / green 360°	3 nm
13	SG/ SR 70 M	All-round light, green / red 360°	3 nm
14	SW 70 M	All-round light, white, (2=360°)	3 nm
15	SR 70 M	All-round light, red, (2=360°)	3 nm
16	SG 70 M	All-round light, green, (2=360°)	3 nm
17	SGe 70 M	All-round light, yellow, (2=360°)	3 nm
18	SW / SG 70 M	All-round light, white / green, 360°	3 nm
19	SG / SW 70 M	All-round light, green / white, 360°	3 nm

Navigation lights of the Series 70 ²⁾ (incandescent light type)			
1	SSb 70	Starboard light, green, 112, 5°	3 nm
2	SBb 70	Port light, red, 112.5 °	3 nm
3	H 70	Sternlight, white, 135°	3 nm
4	HGe 70	Sternlight, yellow, 135°	3 nm
5	T 70	Masthead light, white, 225°	6 nm
6	SW 70	All-round light, white, 360°	3 nm
7	SR 70	All-round light, red, 360°	3 nm
8	SG 70	All-round light, green, 360°	3 nm
9	SGe 70	All-round light, yellow, 360°	3 nm
10	SW 70	Manoeuvre signalling light, white, 360°	5 nm
11	MS 70	Morse signal light, white, 360°	3 nm
12	SW 70	All-round light, white, (2=360°)	3 nm
13	SR 70	All-round light, red, (2=360°)	3 nm
14	SG 70	All-round light, green, (2=360°)	3 nm
15	SGe 70	All-round light, yellow, (2=360°)	3 nm

Notes

¹⁾ series 34, to be operated with 12V and 24 V

²⁾ series 70, 70M to be operated with 24V, 115 V, 120 V and 230 V

Application/Limitation

Each product is to be supplied with its manual for installation, maintenance, and use.

Present homologation is valid for navigation lamps as described under product description for described range of visibility and power supply defined in notes 1) and 2)

Series 70 and 70M of sidelights type to be operated on board with installed screens according manufacturers mounting instructions.

Series 34, navigation lights to be operated on vessels less than 50-meter length.

The navigation lights to be installed in accordance with COLREG 72 as amended and maker's instructions

Type Examination documentation

See Annex

Tests carried out

- EN 14744 (2005 - including AC 2006)
- IEC 60945 Ed. 4.0, 2002 incl. Corr.1, 2008
- COLREG 72, Annex I/14
- MSC.253(83)

Marking of product

According to Article 10 of the Council Directive (MED) and including information required by the LSA Code § 1.2.2.9 and § 1.2.3

- Manufacturer name
- Type identification
- Serial number

Place of production

Glamox (Suzhou) Lighting Co., Ltd.
No.88 Xiazhuang Road, Suzhou Industrial Park
Suzhou, Jiangsu Province, P.R.China
Post Code: 215025