



TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB000038Y
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

That the Navigation lights

with type designation(s)
Navigation lights Serie S64

Issued to

K2W Lights UG (haftungsbeschränkt) Co. KG
Jena, Germany

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

Regulation **MSN 1874 Amendment 7,**

item No. UK/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 **2028-07-03**.

Issued at **London** on **2023-11-15**

DNV local unit:
Hamburg – CMC
North/East

Approval Engineer:
Frederik Tore Elter



Approved Body No.: **0097**

for **DNV UK Ltd.**

Christine Mydlak-Roeder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved 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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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

Navigation Lights LED-Series S64

1	Port light, red 112,5°	**)	2 nm
2	Port light, red 112,5°		3 nm
3	Double Port light, red 112,5°		3 nm
4	Starboard light, green 112,5°	**)	2 nm
5	Starboard light, green 112,5°		3 nm
6	Double Starboard light, green 112,5°		3 nm
7	Stern light, white 135°	**)	2 nm
8	Stern light, white 135°		3 nm
9	Double Stern light, white 135°		3 nm
10	Stern light, yellow 135°	**)	2 nm
11	Stern light, yellow 135°		3 nm
12	Double Stern light, yellow 135°		3 nm
13	Stern light, red 135°	**)	2 nm
14	Stern light, red 135°		3 nm
15	Double Stern light, red 135°		3 nm
16	Masthead light, white 225°	*)	3 nm
17	Masthead light, white 225°	**)	5 nm
18	Masthead light, white 225°		6 nm
19	Double Masthead light, white 225°		6 nm
20	Bicolor Sidelight, red/green 225°	*)	2 nm
21	Tricolor light, red/white/green 112,5°/135°/112,5°	*)	2 nm
22	Combined Tricolor red/white/green 112,5°/135°/112,5° an anchor light, white 360°	*)	2 nm
23	All-round light, white 360°	**)	2 nm
24	All-round light, white 360°		3 nm
25	Double All-round light, white 360°		3 nm
26	All-round light, red 360°	**)	2 nm
27	All-round light, red 360°		3 nm
28	Double All-round light, red 360°		3 nm
29	All-round light, green 360°	**)	2 nm
30	All-round light, green 360°		3 nm
31	Double All-round light, green 360°		3 nm
32	All-round light, yellow 360°	**)	2 nm
33	All-round light, yellow 360°		3 nm
34	Double All-round light, yellow 360°		3 nm
35	Anchor manoeuvre light 360°		5 nm
36	All-round light, white, flash 360°		3 nm
37	Signal light, white 180°	**)	2 nm
38	Signal light, white 180°		3 nm
39	Double Signal light, white 180°		3 nm
40	Signal light, red 180°	**)	2 nm
41	Signal light, red 180°		3 nm
42	Double Signal light, red 180°		3 nm
43	Signal light, green 180°	**)	2 nm
44	Signal light, green 180°		3 nm
45	Double Signal light, green 180°		3 nm
46	Signal light, yellow 180°	**)	2 nm
47	Signal light, yellow 180°		3 nm
48	Double Signal light, yellow 180°		3 nm

*) Electric navigation lights on vessels of less than 20m

***) Electric navigation lights on vessels of less than 50m

Navigation Lights model description series S64

1 Navigation lamps							
Version		Type		Ship length		Colour	
0	Standard	0	Backboard	0	Up to 50 m	0	White
1	Standard Weiss	1	Starboard	3	20 m & more	1	Red
3	Base	2	Stern	6	20 m & more double lantern	2	Green
4	Base Weiss	3	Topmast 3 sm *			3	Yellow
5	Standard Alubronze	4	Topmast greater			4	Blue
6	Nickel	5	Signal **			8	multi
8	Base Alubronze	6	2 colours *				
		7	yachts 3 colours *				
		8	Mooring light 3 colours				

*) Ship length up to 20m

**) Applicable also for 180° Signal lamps

Application/Limitation

Navigation lamp LED bulbs can't be removed and replaced. Navigation lamp shall be replaced integrally if needed.

Type Examination documentation

Test Reports:

- BSH/4542/001/6013164/17
- BSH/4543/001/6012846/15
- BSH/4543/001/6012685/13
- BSH/46162/0141926/11
- BSH/4615/6011300/09

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)
- IMO Resolution A694(17)

Marking of product

- According to MSN 1874 (M+F) Amendment 7, Annex 5 and including information required by the LSA Code § 1.2.2.9 and § 1.2.3
- Company Logo
- Type Identification