

## EC Type-Examination (Module B)

Directive for Marine Equipment

Certificate No.: **DK-0200-MarED-218 version 3**

Issued by FORCE Certification A/S - EC-notified body number 0200

This is to certify that:

FORCE Certification A/S did undertake the relevant quality assessment procedures for the equipment of the manufacturer identified below which was found to be in compliance with the Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC, as amended, last amended by Directive 2015/559/EU (11th Amendment) subject to any conditions in the schedule attached hereto.

Applicant and Manufacturer:

**Alcares ApS**  
**Rugmarken 10-bygning 6**  
**3650 Ølstykke**  
**Denmark**

Identification of Marine Equipment:

Annex 1.A Item:

**ANNEX A.1, item A.1/1.2b**

Product Type:

**Position-Indicating Lights for Live Saving Appliances**  
- for lifebuoy self-igniting lights

Product Designations:

**BL-2H-ALK**

Specified Standard:

**LSA code MSC.48(66) adopted on 4 June 1996 and**  
**MSC.81(70) adopted on 11<sup>th</sup> December 1998**

Amendments to LSA code:

MSC.207(81) adopted on 18 May 2006

MSC.218(82) adopted on 8 December 2006

Amendments to testing methods:

MSC.200(80) adopted on 13 May 2005

MSC.226(82) adopted on 8 December 2006

MSC.323(89) adopted on 20 May 2011

Information: The drop test was performed from 75 m in height and with a lifebuoy from 72 m in height.

The examined samples are found to fulfil the requirements stated in:

The International Testing Standard IMO Res. MSC.81(70) and the applicable reg. SOLAS 74 as amended, where the relevant requirements are specified in ANNEX A.1, item A.1/1.2b of The Directive.

Documentation for observance of relevant requirements stated in ANNEX B (Module B) of the Directive and the basis for the type examination are described in the appendix to this certificate.

*This certificate will remain valid unless cancelled or revoked, provided the conditions in the attached appendix are complied with and the equipment remains satisfactory in service.*

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

*Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.*


*This certificate replaces earlier issued certificate DK-0200-MarED-218 ver 2 dated 2014-06-10.*


FORCE Certification A/S task No.: 116-26028

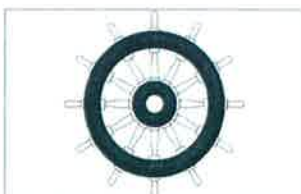
FC. No. DK-0200-MarED-01020

Date of issue: 2016-07-01

Date of expiry: 2021-07-01

  
**Niels Jørgen Sibbersen**  
Certification manager

  
**Philippa W. Osted**  
Examiner



The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity may only be issued when the production/product assessment module (D, E or F), ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Extracts from this EC Type-Examination Certificate may only be reproduced with a written permission from FORCE Certification A/S

## Appendix to EC Type-Examination Certificate

Directive for Marine Equipment

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Applicant and manufacturer: **Alcares ApS**  
**Rugmarken 10-bygning 6**  
**3650 Ølstykke**  
**Denmark**

Identification of Marine Equipment:

Annex 1.A Item: **ANNEX A.1, item A.1/1.2b**

Product Type: **Position-Indicating Lights for Life Saving Appliances**  
- for lifebuoy self-igniting lights

Product Designations: **BL-2H-ALK**

Design:



**BL-2H-ALK**

# Appendix to EC Type-Examination Certificate

Directive for Marine Equipment



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## History:

Issue/change:	Document:	Date:
- Original certificate	DK-0200-MarED-218 version 1	2014-06-10
- New product designation, former designation "BL-2H"	DK-0200-MarED-218 version 2	2014-06-18
- Alternative batteries, update of amendment, new expiry date	DK-0200-MarED-218 version 3	2016-07-01

# Appendix to EC Type-Examination Certificate

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## Documentation for observance of the relevant requirements:

Test House	File No.	Testing/Inspection of:
FORCE Technology	114-24819.a rev. 1	Type Testing of type-identical device
Delta - Danish Electronics, Lights and Acoustics	DELTA-L102733-4404 DELTA-L102733-4404	Light Test of type-identical device Chromaticity Test, Drop Test of type-identical device Vibration Test*
Delta - Danish Electronics, Lights and Acoustics	DELTA-A506584 DELTA L102798-4784	Supplementary testing of the use of Varta battery
FORCE Technology	116-26028.d	Supplementary testing of the use of Varta battery

\* The client informed that the print of Jack A1 was type identical to "BL-2H" except for the light diode and activation button.

**Partial conclusion:** The lights designated "BL-2H-ALK" is found to fulfil the requirements in The International Testing Standard IMO Res. MSC.81(70) and the applicable reg. SOLAS 74 as amended, where the relevant requirements are specified in ANNEX A.1, item A.1/1.2 of the Directive, as well as the requirements in ANNEX B (Module B) of the Directive.

The following documentation was available:

- Drawings
- Specification of battery
- List of materials/components and manufacturers

Description of quality management system: Module D certificate - DK-0200-MarED-QA-132  
User Manual and marking: See report 114-24819.a rev. 1  
List of materials/manufacturers used for manufacturing the device: See "List of Materials for DK-0200-MarED-218" valid on the date of production.

## Conclusion

Based on the above mentioned attestation it can be concluded that the position indicating light designated, "BL-2H-ALK" " meets the conditions of EC type-examination in accordance with the requirements of Marine Equipment Directive (MED) 96/98/EC, as amended, last amended by Directive 2015/559/EU (11th Amendment)

FORCE Certification A/S task No.: 116-26028

Date: 2016-07-01

A handwritten signature in blue ink, appearing to read "Philippa W. Osted".

Philippa W. Osted  
Examiner