

EC Type-Examination (Module B)

Directive for Marine Equipment

Certificate No.: **0200-MarED-03685 version 2**

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

This is to certify that:

FORCE Certification A/S did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Life Saving Appliance requirements of Marine Equipment Directive (MED) 2014/90/EU, as amended, last amended by Regulative (EU) 2018/733 (2nd Amendment) subject to any conditions in the schedule attached hereto.

Applicant and Manufacturer: **LALIZAS HELLAS S.A.**
3 Gounari Str,
P.C. 18531
Piraeus, Greece

Identification of Marine Equipment:

Item: **MED/1.2c**

Item Designations: **Position-Indicating Lights for Life Saving Appliances**
- for lifejackets

Product Designations: **72348**
Variation: **723482**

Specified Standard: **LSA code MSC.48(66) adopted on 4 June 1996 and MSC.81(70)**
(Tested in accordance with): **adopted on 11th 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

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 the amendment to The Directive, item MED/1.2c

Documentation for observance of relevant requirements stated in ANNEX II (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 is a new version of existing certificate MarED-03585 ver 1, dated 2018-04-12, due to adding an alternative variant -2 to the certificate. The previous certificate is still valid.

FORCE Certification A/S task No.: 118-25425 / FC ID No. 05104

Date of issue: 2018-10-22

Date of expiry: 2023-04-12



Niels Jørgen Sibbernsen
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 II 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

Certificate No.: 0200-MarED-03685 version 2

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

Applicant and Manufacturer: **LALIZAS HELLAS S.A.**
3 Gounari Str,
P.C. 18531
Piraeus, Greece

Identification of Marine Equipment:
Item: **MED/1.2c**

Item Designations: **Position-Indicating Lights for Life Saving Appliances**
- for lifejackets

Product Designations: **72348**
Variation: **723482**

Design:



Appendix to EC Type-Examination Certificate

Directive for Marine Equipment



Certificate No.: 0200-MarED-03685 version 2

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

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History:

Issue/change:	Document:	Date:
- Original certificate	0200-MarED-03685 version 1	2018-04-12
- Variant 2 added	0200-MarED-03685 version 2	2018-10-22

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	117-22230.a	Type test of 72348
Delta - Danish	117-323-117_A_rev 1	Chromaticity Test
Electronics, Lights and Acoustics	118-323-036	Drop Test, Light tests

Partial conclusion: The lights designated "72348 and 723482" are 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 the annex of Regulation (EU) 2018/733 (2nd Amendment) for item MED/1.2c, as well as the requirements in ANNEX II (Module B) of the Directive.

The following documentation was available:

Technical specification: - Technical folder for Alkalite II – 72348 ver. D dated 2018-03-14
- Technical drawings of the different components/parts

Description of quality management system: Module D by DNV GL SE, Germany
User manual and marking: As submitted
List of materials/manufacturers used for manufacturing the device: See "List of Materials for DK-0200-MarED-03685" valid on the date of production.

Conclusion

Based on the above-mentioned attestation it can be concluded that the light designated, 72348, meets the conditions of EC type-examination in accordance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, as amended, last amended by Regulative (EU) 2018/733 (2nd Amendment)

FORCE Certification A/S task No.: 118-25425

Date: 2018-10-22



Philippa W. Osted
Examiner