



Marine & Offshore

Certificate number: 75199/A0 MED

File number: ---

Item number: MED/1.2c

USCG Module B number: 161.112 / EC2690

This certificate is not valid when presented without the full attached schedule composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2023/1667 of 8 Aug. 2023

This certificate is issued to:

LALIZAS HELLAS S.A.

3, Gounari str., 18531, Piraeus,, GREECE

for the type of product

POSITION-INDICATING LIGHTS FOR LIFEJACKETS

ALKALITE II

(Code 72348)

Requirements:

SOLAS 74 Convention, as amended, Regulations III/4, III/7, III/22, III/26, III/32, III/34, X/3

IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89), MSC.368(93), MSC.425(98), MSC.459(101) and MSC.485(103) I, II

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8

IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89),

MSC.378(93), MSC.427(98), MSC.472(101) and MSC.488(103)

IEC 60945 Ed. 4.0 (2002) + /Cor1 (2008)

ISO 24408:2005

IMO MSC.1/Circ.1628

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.


This certificate will expire on: 16 May 2029**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV PIRAEUS, on 16 May 2024,

Spyros KONTOULIS

This certificate was created electronically and is valid without signature



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Trademark	LALIZAS
Type	ALKALITE II

Main body Dimension	Weight	Battery	Activation	Light type
55.4*26.8*18.4mm	36 g	Alkaline	Water/Manual	Flashing

As indicated in the technical documentation submitted by the Applicant.

2. DOCUMENTS AND DRAWINGS:

- Technical Folder

Number	Title	Version	Date
72348	ALKALITE II - 72348	D	13/03/2018
LR03 Alkaline battery-Annex	The capacity change of Changhong's LR03 alkaline battery	A	08/12/2023
72348&72349&72350	Description of the electrical short protection	A	06/03/2018

- Technical Drawings

Number	Title	Version	Date
7234800	ALKALITE II	B	13/03/2018
7234801	Cover-72348	B	13/03/2018
7234802	Base-72348	A	13/03/2018
7234803	Buckle-72348	A	13/03/2018
7234804	Seal Foam	B	13/03/2018
7234805	PCB-72348	D	13/03/2018
7234806	LR03-Battery	A	13/03/2018
7234807	Battery Flake	B	13/03/2018

- Markings & Manual(s) for installation use and maintenance:

Number	Title	Version	Date
	72348 (MED Marking)	E	21/12/2023
---	Instructions	0	14/12/2023

No departure from these documents is permitted without the prior consent of the Society.

3. TEST REPORTS:

TYPE TESTS

Number	Title	Revision	Date
117-323-117_A	Chromaticity Test	Rev.1	23/10/2017
118-323-036	Luminous Intensity Test	---	18/03/2018
117-22230.A	Type Test	Rev.1	07/08/2018
123-323-154	Luminous Intensity Test <i>Linked to test reports 117-323-117_A rev.1</i>	---	16/11/2023
123-323-154	Luminous Intensity Test <i>Linked to test reports 117-22230.a rev1 / 117-22230.B / 117-323-117_A rev.1 / 117-323-117_B</i>	Rev.1	30/11/2023
CL/PCLB2/7/2024	Drop Test	Edition 1	26/02/2024

4. APPLICATION / LIMITATION:

- The scope of the appraisal made by Bureau Veritas to issue this certificate is strictly restricted to the relevant requirements stated on the front page of this certificate.
- Each position indicating light shall be supplied with its instructions for use, inspections and on-board maintenance complying with the regulations stated on the front page of this certificate.
- The equipment shall be replaced prior the date of expiry which is marked on the signal casing.
- The certificate is limited to the flashing light mode only. No compliance of the light in its steady mode has been demonstrated.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - The manufacturer shall institute a quality control procedure to ensure that positioning-indicating lights are produced to the same standard as the approved prototype and shall keep records of any production tests carried out.

5.3 - Each positioning-indicating light intended to be fitted onboard a ship registered to a National register adhering to the Directive shall be delivered with a Declaration of Conformity.

5.4 - Each equipment, or batch of equipment, is to be supplied with its Manual(s) for installation, use and maintenance.

5.5 - For information concerning the production phase modules, **LALIZAS HELLAS S.A.** has declared the following manufacturing site(s):

Xiamen Marine Industries CO.,Ltd.

N°100, Jingquan Road, Jimei Northern Industrial Area,
Xiamen, Fujian, 361021, China

6. MARKING OF PRODUCT:

The position-indicating light shall be permanently and legibly marked with:

- Any operational restrictions,
- Date of Expiry,
- Precise definition of intended use (e.g. "Position Indicating Light for lifejacket"),
- Batch number,
- Identification of the Manufacturer,
- Easy understandable symbols for on/off switching,
- Model Designation, and
- Information on proper battery disposal by the words "DO NOT INCINERATE/DO NOT RECHARGE/DO NOT TAMPER".

Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004 amended by Decision 1/2018 of 18 February 2019, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

It is **LALIZAS HELLAS S.A.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

*** END OF CERTIFICATE ***