



Notified Body authorised by
BSH 0800-S23/4822:013

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Certificate No: LR22159802MB-02
Issue Date: 27/07/2023
Expiry Date: 12/05/2025

EC Type Examination (Module B) Certificate

USCG-EU MRA

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	LECEA Sistemas Pirotécnicos Avanzados, S.A.
Address	Barrio Epiztegia, N° 3, Larrea (Álava), 01208, Spain
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2022/1157
Regulation Item (No. & Item Designation)	MED/1.8 Rocket Parachute Flares (Pyrotechnics)
Product Type	ROCKET PARACHUTE FLARES (PYROTECHNICS)
Product Description	Rocket Parachute Flare – Type: "L-35A"
Specified Standard	IMO Res. MSC.81(70), Part 1, amended by Resolution 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) & MSC.488(103) as applicable. ISO 15736
Trade Name	Rocket Parachute Flare "L-35A"

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

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 notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Lloyd's Register Marine Deutschland GmbH, Überseeallee 10, D-20457 Hamburg, Germany.
A member of the Lloyd's Register group

Lijo Thomas

Fire & Safety - Senior Surveyor
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

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BUNDESAMT FÜR
SCHIFFFAHRT
UND
HYDROGRAPHIE

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This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed on 27 February 2004 and amended by Decision No.1/2018 dated 18 February 2019 according to U.S. Coast Guard approval category USCG Module B number:

160.136/EC2923

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production Module certificate (Module D, E or F).

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

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 ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Lloyd's Register Marine Deutschland
GmbH, Überseeallee 10, D-20457
Hamburg, Germany.
A member of the Lloyd's Register group

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR22159802MB-02

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

This Certificate Supersedes and is an Amendment of Certificate Number LR22159802MB

Approval Documentation

Pirotecna general arrangement drawing L-35A Red Parachute Flare, dated 06/2000

Pirotecna parts list L-35A Red Parachute Flare, dated 06/2009

L-35A Technical Document - 06 Design Specifications RPO-01.2 Rev. 00, dated 14.11.14.

Test Reports

MSC/Circ. 980 Evaluation and Test report: Parachute Flare, L-35A, dated 02.03.2020, 29.03.2020, 11.03.2020 and 25.03.2020 witnessed by a Lloyd's Register surveyor.

Luminous intensity tests conducted at +65, dated 29.03.2020 and witnessed by a Lloyd's Register surveyor.

Luminous intensity tests conducted at -30, dated 29.03.2020 and witnessed by a Lloyd's Register surveyor.

Luminous intensity tests conducted at ambient temperature, dated 29.03.2020 and witnessed by a Lloyd's Register surveyor.

1m immersion test 3520-1, dated 19/05/15 and witnessed by surveyor acceptable to Lloyd's Register

10cm immersion test 3520-1, dated 22/05/15 and witnessed by surveyor acceptable to Lloyd's Register

Height, Burn Time, and Descent Rate test tests dated 31.10.2014 witnessed by surveyor acceptable to Lloyd's Register

Conditions of Certification

1. A Life raft drop test shall be carried out before being accepted for use with throw overboard life rafts installed at heights higher than 2 meters.
2. Each rocket parachute flare is to be marked with approved clear precise instructions for safe use, a means of batch or lot identification and means of determining their age or date by which they must be replaced i.e., expiry date and marking information as specified by ISO 15736 regulation 4.3.
3. Unless an individual Marine Administration specifies otherwise for their own fleet, rocket parachute flares shall have an expiry date not later than 4 years from the date of production testing of the batch.

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4. The stowage of this equipment is not part of this Design Appraisal or certificate. All such arrangements are to be to the satisfaction of the surveyors attending on board.
5. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
6. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and ISO 15736 Annex A. They are to be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or witnessed by the Notified Body (LRMD) as required by the Product Verification (Module F) of the Marine Equipment Directive. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered i.e., the flag state or those acting on behalf of that Administration.
7. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
8. Each item, batch or lot of the equipment is to have the Wheelmark affixed and be issued with a Declaration of Conformity.
9. Should a change of Place of Production from that stated below be required i.e., where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.
10. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes, and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.

Place of Production

LECEA Sistemas Pirotecnicos Avanzados, S.A.,
Barrio Epiztegia, Nº 3
Larrea (Álava)
01208 Spain

Lijo Thomas,
Fire & Safety Senior Specialist – Small Ships & In-Service,
Global Technical Support Office, Maritime Operations
For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923

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