



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED341822WS/001

***This is to certify** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Life-Saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2022/1157.*

MED Item N°

MED/1.2c

Description

Position-indicating lights for life-saving appliances: (c) for lifejackets

Type

RSYD-A; RSYD-A1; RSYD-A2

Applicant

JIAXING RONGSHENG LIFESAVING EQUIPMENT CO., LTD

**NO.159 YAOJIA ROAD, WANGDIAN TOWN, XIUZHOU DISTRICT
JIAXING, ZHEJIANG PROVINCE
CHINA**

Testing standards

IMO Res. MSC.81(70), as amended, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, ISO 24408: 2005.

Reference standards

SOLAS 74 Reg. III/7, SOLAS 74 Reg. III/22, SOLAS 74 Reg. III/26, SOLAS 74 Reg. III/32, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) II, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO MSC.1/Circ.1628.

Issued in **SHANGHAI** *on*
September 14, 2022

This Certificate is valid until
September 13, 2027

This Certificate consists of this sheet plus an attachment



Signature

Qiang Sun

RINA Services S.p.A.





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Manufacturer

JIAXING RONGSHENG LIFESAVING EQUIPMENT CO., LTD

Place of Manufacturer

NO.159 YAOJIA ROAD
WANGDIAN TOWN
XIUZHOU DISTRICT
JIAXING
ZHEJIANG PROVINCE
CHINA

Name & place of Authorised Representative

ANTONIO TRANI (FTTM SRL)
VIA DOMENICO CIMAROSA NO.37, NAPOLI, ITALY
ITALY

Product Description

Model of lights: RSYD-A: flashing light activated by on/off manual switch;
RSYD-A1: flashing light automatically activated by water sensor and with on/off manual switch;
RSYD-A2: flashing light automatically activated by water sensor and with off manual switch.

The above lights are manufactured with following characteristics:

Items / Light Model	RSYD-A	RSYD-A1	RSYD-A2
Dimensions of body:	(104 x 28 x 32) mm	(60 x 50.9 x 28) mm	(63 x 30 x 24) mm
Color of light dome:	Transparent	Transparent	Transparent
Material and color of body:	Orange Polycarbonate	Polycarbonate	Polycarbonate
Total weight:	69 grams	76 grams	50 grams
Flash rate:	about 55 flashes per minute	about 58.8 flashes per minute	50 ~ 70 flashes per minute
Battery:	1 x 1.5Ah, model CR123A Lithium	1 x 1.5 Ah, model CR123A Lithium	1 x 1.5 Ah, model CR2 Lithium
Bulb:	LED, 3V 120mA	White LED, 3.0 V 120 mA	White LED, 0.06 W, 80 mA

The above lights are supplied with a clamp for fastening to the lifejackets.

Reference Documents

Technical Drawing and Manuals edit by Jiaxing Rongsheng Lifesaving Equipment Co., Ltd:

RSYD-A:

- Light instruction manual filed by RINA with No.: SHFP-21747;
- EC Labeling approved by RINA with No.: SHFP-21755;
- Booklet of technical drawings approved by RINA with No.: CSST-7315.

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Similiant





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RSYD-A1:

- Light instruction manual filed by RINA with No.: SHFP-21748;
- EC Labeling approved by RINA with No.: SHFP-21756;
- Booklet of technical drawings approved by RINA with No.: CSST-6294.

RSYD-A2:

- Light instruction manual filed by RINA with No.: SHFP-21749;
- EC Labeling approved by RINA with No.: SHFP-21757;
- Lifejacket Light drawing (Ref No.:RS/JS-45) approved by RINA with No.: SHFP-9206;
- Bill of Material approved by RINA with No.: SHFP-9263;
- Major Properties & Technical Parameters approved by RINA with No.: SHFP-9325;
- Test Remit Statement filed by RINA with No.: SHFP-9262.

Tests Carried Out

RSYD-A:

- Evaluation and test report edit by RINA Shanghai Office in accordance with IMO Res.MSC.81(70) as amended by Res. MSC.226(82) and filed by RINA with No.: CSST-6059;
- Inspection report (Ref. No.: 2010YW013) dated 26/03/2010 edit by National Supervision and Testing Center of Fishery Machinery and Instrument and filed by RINA with No.: CSST-6058;
- Routine Test Report edit by Jiaxing Rongsheng Lifesaving Equipment Co., Ltd, filed with RINA No.: SHFP-21758.
- Additional Evaluation and Test Report for Lifejacket Light according to MSC. 81(70), ISO 24408:2005 and IEC 60945:2002 incl. IEC 60945 Corr. 1:2008 (Ref. No.: 2021343), edit by Wuhan Testing Center of Marine Life-saving Appliances and filed with RINA No.: SHFP-21764.

RSYD-A1:

- Evaluation and test report edit by RINA Shanghai Office in accordance with IMO Res.MSC.81(70) as amended by Res. MSC.226(82) and filed by RINA with No.: CSST-6295;
- Inspection report (Ref. No.: 2010YW016) dated 28/06/2010 edit by National Supervision and Testing Center of Fishery Machinery and Instrument and filed by RINA with No.: CSST-6296;
- Routine Test Report edit by Jiaxing Rongsheng Lifesaving Equipment Co., Ltd, filed with RINA No.: SHFP-21759;
- Additional Evaluation and Test Report for Lifejacket Light according to MSC. 81(70), ISO 24408:2005 and IEC 60945:2002 incl. IEC 60945 Corr. 1:2008 (Ref. No.: 2021218), edit by Wuhan Testing Center of Marine Life-saving Appliances and filed with RINA No.: SHFP-21765.

RSYD-A2:

- Evaluation and Test Report (RSYD-A2) (Ref No.:2015157) issued by Wuhan Testing Center of Marine Life-saving Appliances in accordance with IMO Res.MSC.81(70) as amended by Res. MSC.226(82) and filed by RINA with No.: SHFP-9190.
- Routine Test Report edit by Jiaxing Rongsheng Lifesaving Equipment Co., Ltd, filed with RINA No.: SHFP-21760;
- Additional Evaluation and Test Report for Lifejacket Light according to MSC. 81(70), ISO 24408:2005 and IEC 60945:2002 incl. IEC 60945 Corr. 1:2008 (Ref. No.: 2021344), edit by Wuhan Testing Center of Marine Life-saving Appliances and filed with RINA No.: SHFP-21766.



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Continued:

Field of Application

Flashing light for lifejackets designed in compliance with IMO Res MSC 207(81).

Remarks

The light, when attached to the lifejacket, shall be visible over as great a segment of the upper hemisphere.

The words "LITHIUM BATTERY" in block capitals, followed by DO NOT INCINERATE / DO NOT RECHARGE / DO NOT TAMPER.

Notes

Our review were based on previous Certificates:

- MED203321WS/003 issued on Aug. 11, 2021 for RSYD-A, valid until Sep. 13, 2022;
- MED201020WS/001 issued on Sep. 21, 2020 for RSYD-A1, valid until Sep. 13, 2022;
- MED203321WS/002 issued on Aug. 11, 2021 for RSYD-A2, valid until Sep. 13, 2022.

As declared by manufacturer (refer to the Statement edit by Jiaxing Rongsheng Lifesaving Equipment Co., Ltd and filed by RINA with No.: SHFP-21744), renewal of the initial certificate, without modification, and reissued accordingly.



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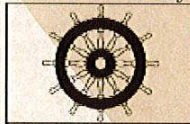




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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX Notified Body number undertaking surveillance module
YYYY The year in which the mark is affixed

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.



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