




TYPE APPROVAL CERTIFICATE
No. FPE255519WS

This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"

<i>Description</i>	ELECTRONIC RESCUE SIGNAL LIGHT
<i>Type</i>	LNK-ERS1
<i>Applicant</i>	XIAMEN LONAKO INDUSTRY & TRADE CO., LTD N307, WEIYE BUILDING, CHINA PIONEERING PARK FOR CHINESE OVERSEAS SCHOLARS 361009 XIAMEN CHINA
<i>Manufacturer</i>	XIAMEN LONAKO INDUSTRY & TRADE CO., LTD
<i>Place of manufacture</i>	N307, WEIYE BUILDING, CHINA PIONEERING PARK FOR CHINESE OVERSEAS SCHOLARS 361009 XIAMEN CHINA
<i>Reference standards</i>	USCG 46 CFR § 161.013
<i>Reference documents</i>	Rules for Testing and Certification of Marine Materials and Equipment

Issued in **SHANGHAI** *on* **February 17, 2020.** *This Certificate is valid until* **February 16, 2025**




RINA Services S.p.A.
Qiang Sun

This certificate consists of this page and 1 enclosure



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LNK-ERS1

Technical Data

Main characters:

Light Source: High efficient LED;
Battery: 2*C type Alkaline batteries;
Chromaticity: White;
Dimension: $\phi 60 \times 205$ mm;
Weight: 135g (without batteries);
Light Intensity: ≥ 75 cd (10 km visual distance);
Operation Time: ≥ 7 hrs;
Waterproof Level: IP67;
Buoyant: Self-floatable;
Storing Temperature: $-30^{\circ}\text{C} \sim +65^{\circ}\text{C}$;
Working Temperature: $-1^{\circ}\text{C} \sim +30^{\circ}\text{C}$;
Activation: Manually Twist the light;
Performance: Fire-resistant, Oil-resistant, Mould-proof, Corrosion-proof and Water-proof;
Environment Performance: Meet RoHS and asbestos-free requirement.

Reference Document

Technical documents of Electronic rescue signal light issued by XIAMEN LONAKO INDUSTRY & TRADE CO., LTD as following (Ref. Letter: SHFP/2020/00053/XZO01 & SHFP/2020/00061/XZO01):

- Bill of Material approved by RINA with No.: SHFP-14636;
- Technical Drawing approved by RINA with No.: SHFP-14638;
- Technical Specification filed by RINA with No.: SHFP-14775.

Production and Tests

The production must be carried out in accordance to the manufacturer quality production system.

Tests carried out by XIAMEN LONAKO INDUSTRY & TRADE CO., LTD issued according to USCG 46 CFR § 161.013 Standards and filed by RINA with No.: SHFP-14637.

Test Report (PC Plastic Mould Growth Test) (Ref No.: 20092277) edit by Center of Analysis & Measurement of Shanghai Institute Of Industrial Microbiology and filed by RINA with No. SHFP-14773.

Test Report (ACRYLIC Mould Growth Test) (Ref No.: 2015058) edit by Wuhan Testing Center of Marine Life Saving Appliances and filed by RINA with No. SHFP-14774.

Field of Application

The Electronic rescue signal light (type: LNK-ERS1) for the function of SOS distress signal light.



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LNK-ERS1

Remark

Our approval of the Electronic rescue signal light (type: LNK-ERS1) is based on the Standards of USCG 46 CFR § 161.013.

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.

SHANGHAI February 17, 2020



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