



EC TYPE EXAMINATION (MODULE B)

CERTIFICATE Nr. MED181015WS

This is to certify, that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la navigazione ed il Trasporto Marittimo ed Interno" on 25 November 1998, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Life-Save Appliances requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Directive 2014/93/EU

MED Item N°

A.1/1.2c

Description

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

Type

HL3 / HL3+

Applicant

ACR ELECTRONICS, INC.

5757 RAVENSWOOD ROAD

FORT LAUDERDALE 33312

U.S.A.

Testing standards

IMO Res. MSC 81(70) as amended

Reference standards

Reg. III/7, Reg.III/22, Reg.III/26, Reg.III/32, Reg.III/34 of SOLAS 74 as amended, IMO Res.MSC.36(63) 8, IMO Res MSC.48(66), IMO Res.MSC.97(73).

Issued at SHANGHAI on
August 26, 2015

This Certificate is valid until
August 25, 2020

This Certificate consists of this sheet plus an attachment



Giuseppe Zagaria

RINA Services S.p.A.



**ATTACHMENT TO
CERTIFICATE Nr. MED181015WS**

Page 1 of 2

Manufacturer

XIAMEN LONAKO INDUSTRY & TRADE CO., LTD

Place of Manufacturer

N 402 WEIYE BUILDING
CHINA PIONEERING PARK
361009 XIAMEN
CHINA

Product description

Model of light: HL3 - flashing light automatically activated by water sensor and with on/off manual switch
HL3+ - flashing/steady/SOS light automatically activated by water sensor and with on/off manual switch

Dimensions of body: (62 x 28 x 31) mm
Color of dome: Transparent or Semi-transparent;
Material: polycarbonate;
Total weight: 30 grams;
Flash rate: about 58 flashes per minute;
Battery: 1 x 3.0 Volt, 750 mAh, model CR2 lithium;
Bulb: white LED, 0.5W, 50 mA
The light is supplied with a clamp for fastening to the lifejacket.

Reference documents

Technical specifications edit by Xiamen Lonako and approved by RINA with n° CSST 5814 (model LNK-LJ-03A1) and n° CSST 5829 (model LNK-LJ-03A1W).
Booklet of technical drawings approved by RINA with n° CSST 5815 (model LNK-LJ-03A1) and n° CSST 5830 (model LNK-LJ-03A1W).

Tests carried out

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 n° CSST 5816.

Inspection report n° 2010YW034 edit by National Supervision and Testing Center of Fishery Machinery and Instrument and filed by RINA with n° CSST 5817.

Test report n° 2010YW035 (dated 16/07/2010) edit by National Supervision and Testing Center of Fishery Machinery and Instrument and filed by RINA with n° CSST 5805.

Field of application

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





**ATTACHMENT TO
CERTIFICATE Nr. MED181015WS
Page 2 of 2**

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 B of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*
YY *Last two digits of year mark 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 reaproved prior to it being placed on board vessels to which the amended regulations or standards apply.



Giuseppe Zagaria