



**EC TYPE EXAMINATION (MODULE B)  
CERTIFICATE No. MED096017WS**

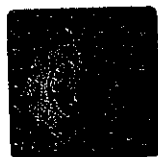
*This is to certify that RINA Services S.p.A. did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Life-Saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2017/306.*

<i>MED Item N°</i>	<b>MED/1.2c</b>
<i>Description</i>	<b>Position-indicating lights for life-saving appliances: (c) for lifejackets</b>
<i>Type</i>	<b>AQ40S/AQ40SM; AQ40L/AQ40LM</b>
<i>Applicant</i>	<b>AQUASPEC LIMITED</b> THE QUAY CHANNEL WAY, SOUTHAMPTON SO14 3TG UNITED KINGDOM SOUTHAMPTON UNITED KINGDOM
<i>Testing standards</i>	<b>IMO Res. MSC 81(70) as amended</b>
<i>Reference standards</i>	<b>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).</b>

*Issued in SHANGHAI on  
August 20, 2017*

*This Certificate is valid until  
August 19, 2022*

*This Certificate consists of this sheet plus an attachment*



**Giuseppe Zagaria**  
*RINA Services S.p.A.*



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*Manufacturer*

**XIAMEN LONAKO INDUSTRY & TRADE CO., LTD**

*Place of Manufacturer*

N307 WEIYE BUILDING  
CHINA PIONEERING PARK FOR CHINESE OVERSEAS SCHOLARS  
361009 XIAMEN CHINA

**Product Description**

AQ40S - Flashing light automatically activated by water sensor and with on/off manual switch;  
AQ40SM - Flashing/Steady/SOS light automatically activated by water sensor and with on/off manual switch;  
AQ40L - Flashing light automatically activated by water sensor on wire and with on/off manual switch;  
AQ40LM - Flashing/Steady/SOS light automatically activated by water sensor on wire and with on/off manual switch.

Dimensions of body: AQ40S/SM: (50.8 x 23 x 31.8) mm; AQ40L/LM: (51.5 x 23 x 31.8) mm.

Color of Dome: Transparent - Material: Polycarbonate;  
Total Weight: 29.5 g ( AQ40S/SM); 39.5g (AQ40L/LM);  
Flash Rate: 56 flashes per minute;  
Battery: 1 x 3.0 Volt, 1300mAh, model CR123A lithium;  
Bulb: White LED, 0.5W, 50mA.

The light is supplied with a clamp for fastening to the lifejacket.

Model AQ40L and AQ40LM are designed with water sensor on wire (length 600 mm, Ø 3 mm) .

**Reference Documents**

Booklet of technical drawings approved by RINA with n° CSST 8953 (model AQ40S), CSST 8954 (model AQ40SM), CSST 8955 (model AQ40L) and CSST 8956 (model AQ40LM).

Operation and Maintenance Instr. filed by RINA with n° CSST 8957, CSST 8958, CSST 8959 and CSST 8960.

Technical specifications edit by Xiamen Lonako and approved by RINA with n° CSST 8961 (model AQ40S), CSST 8962 (model AQ40SM), CSST 8963 (model AQ40L) and CSST 8964 (model AQ40LM).

**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 8970 and CSST 8971.

-Test Reports n° 20092276 and n° 230092277 edit by Center of Analysis & Measurement of Shanghai Institute of Industrial Microbiology and filed by RINA with n° CSST 8971 and CSST 8910.

-Test Report n° RZ2010-0015 - Lithium manganese dioxide battery, edit by Guangzhou Vkan Certification and Testing Institute and filed by RINA with n° CSST 8972.

-Inspection Reports n° 2012YW034 and 2012YW035 edit by National Supervision and Testing Center of Fishery Machinery and Instrument and filed by RINA with n° CSST 8973 and CSST 8974.

-Inspection Reports n° 2010YW035 and 2010YW036 edit by National Supervision and Testing Center of Fishery Machinery and Instrument and filed by RINA with n° CSST 8974 and CSST 8975.

**Field of Application**

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

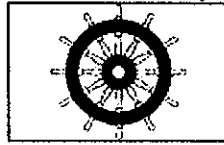




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*The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written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



**Giuseppe Zagaria**