

[1]

EU-TYPE EXAMINATION CERTIFICATE



[2]

**Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU – Annex III**

[3]

Certificate Number: **EPT 16 ATEX 2514** issue 0

[4]

Equipment: **Life Jacket Light**

Series: **YDL12-Ex**

[5]

Manufacturer: **JIANGSU HUAYAN MARINE EQUIPMENT CO., LTD.**

[6]

Address: **No.8 Huangjintang West Road, Danyang Economic Development Zone,
Jiangsu Province 212314 China**

[7]

This equipment and its accepted variations are specified in the annex to this Certificate.

[8]

Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in the confidential Report N°EPT.16.REL.02/54570

[9]

Compliance with the essential health and safety is assured through the verification of them and by compliance with the standard:

EN60079-0: 2012+A11: 2013; EN60079-11: 2012; EN 60079-28: 2015

[10]


If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11]

This EU -TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12]

The equipment shall include the sign  and the following string:

II 2G Ex ia op is IIC T4 Gb

Tamb: -30°C ~ +65°C

Place and date of issue:

Torino, 2016-09-29



Dionisio Buccheri

Dionisio Buccheri
Directive Responsible

Paolo Trisoglio

Paolo Trisoglio
Managing Director



SGQ N° 133A
PRD N° 119B
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate has 4 pages and it is reproducible only in its entirety. Conditions of validity are reported below.

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ANNEX

[14]

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[15] **Equipment description**

YDL12-Ex life jacket light is a kind of lifesaving outfit equipped on the lifejacket. It is prepared for persons who fall into the sea at night to give out light signal to the lifesaver so as to be rescued. It is powered by an Energizer CR2 Lithium 3.0V cell and its light source is a LED. The enclosure of life jacket light is made of plastic ABS(yellow) and lampshade is made of polycarbonate. The cell and two PCBs are encapsulated completely in the enclosure except water sensor and LED. There is no associated apparatus.

Electrical characteristics

Rated voltage: DC 3V

Maximum current: 200mA

Routine tests

N/A

[16] **Assessment Report n°EPT.16.REL.02/54570**

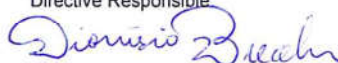
This EC-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] **Special condition for a safe use**

N/A

[18] **Essential Health and Safety Requirements**

Assured by compliance with harmonized standards.

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[19] **Descriptive documents**

The equipment objects of this certificate is described by the following documents.

Scheduled documents are indicated with the symbol "✓". They cannot be modified without the explicit authorization of the Notified Body.

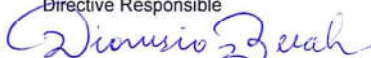
Documents	Drawing No	Rev.	Date	Scheduled
Assembly drawing	YDL12-Ex-00	1.0	2013.05.08	Y
YDL12-Ex PCB-A	YDL12-17	1.0	2013.05.08	Y
YDL12-Ex PCB-B	YDL12-18	1.1	2016.07.12	Y
Nameplate	YDL12-19	1.0	2013.05.08	Y
YDL12-Ex Schematic	YDL12-Ex.sch	-	2016.07.15	Y
Specification for HANGKE lamp LED	HK-201108LEDQB	2.0	/	-
Energizer 1CR2 datasheet	EBC-4202G	/	/	Y
Epoxy Potting Compound	HY/QG•04•07•ECSOP0018 (WDPI01-34)	A0	2014.05.23	Y
Fuse specification	452/454 Series Fuse	/	07/01/15	Y
1SMA59XXBT3G specification	1SMA5913BT3/D	8	2012.01	Y
Connection wire	YDL12-23	1.0	2015.05.18	Y
BOM	YDL12-Ex BOM	1.1	2016.06.25	Y
Operation manual	/	1.0	2015.12.15	Y



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**[20] Terms and conditions**

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

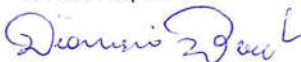
[21] History

This certificate is at its first issue.

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End of Certificate