



(1) EU - Type Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 24 ATEX 1 103 X

Revision 0

(4) Equipment: Flame-Proof Signal Phone: (QN-H / QN)
Flame-Proof Warning light with Phone: (QNVS-H / QNVS / QNHS-H / QNHS)

(5) Manufacturer: QLight Co., Ltd.

(6) Address: 185-25, Mukbang-Ro, Sangdong-Myeon, Gimhae-Si, Gyeongsangnam-Do
Republic of Korea

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 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 and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 21TH0156.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:


EN IEC 60079-0:2018

EN 60079-1:2014

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

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

 II 2G Ex db IIC T5/T6 Gb



Certification department of explosion protection

Ulrich Feike



Tuerkheim, 2024-06-21

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

Annex

(14) **EU - Type Examination Certificate EPS 24 ATEX 1 103 X**

Revision 0

(15) Description of equipment:

The Flame-Proof Signal Phone and warning light QN / QN-H / QNVS / QNVS-H / QNHS / QNHS-H are made by aluminium enclosures in type of protection flameproof enclosure "d" and used to provide acoustic and/or visual signals. A breathing device is mounted in the wall of the enclosure and glass dome is protected by guard. IP rating is IP66.

These signalling devices are used to deliver audible and visual alarm signals for alerting, warning or as a communication phone.

Electrical data:

Model number	Voltage	Power	Sound pattern and volume	Color	
QN	DC12V~24V	MAX. 20W	<ul style="list-style-type: none">• WS-5 Warning sounds: MAX.118dB• WP-5 Special warning sounds: MAX. 118dB• WM-5 Melodies: MAX.118dB• WA-5 Alarms: MAX.114dB• WV-5 Customizable sounds: 109~114dB	R-Red	
	AC110~230V	MAX. 38W			
QNVS QNHS	DC12V~24V	MAX. 24W			
	AC110~230V	MAX. 53W			
QN-H	DC12V~24V	MAX. 35W			A-Amber G-Green B-Blue
	AC110~230V	MAX. 64W			
QNVS-H QNHS-H	DC12V~24V	MAX. 41W			
	AC110~230V	MAX. 76W	<ul style="list-style-type: none">• WS-5 Warning sounds: MAX.123dB• WP-5 Special warning sounds: MAX.123dB• WM-5 Melodies: MAX.123dB• WA-5 Alarms: MAX.120dB• WV-5 Customizable sounds: 115~120dB		

EU - Type Examination Certificate EPS 24 ATEX 1 103 X

Revision 0

(16) Reference number: 21TH0156

Additional manufacturing location:

QLIGHT ELECTRONICS (QIDONG) CO., LTD
No. 33 Haiyan Road, Qidong High-Tech Industrial Development Zone
Qidong City, Nantong City, Jiangsu Province P.R. 226200 China

(17) Special conditions for safe use:

A repair of a flame-proof joint is only permitted in accordance with the manufacturer's values.

The protective covers and loudspeaker horns must be installed in a way that they are protected against electrostatic charging.

Ambient temperature range:

-40 °C to +70 °C (T5)

-40 °C to +55 °C (T6)

The aluminum enclosure models intended for ambient temperature below -20 °C must be subjected to routine overpressure test according to EN 60079-1 with 20.61 bar.

The protective device for the glass, provided by manufacturer against impacts, must be installed.

(18) Essential health and safety requirements:

Met by compliance with standards.



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Tuerkheim, 2024-06-21