



EU-TYPE EXAMINATION CERTIFICATE



- [2] Equipment and protective systems intended for use in the potentially explosive atmosphere
Directive 2014/34/EU
- [3] Certificate No.: **ICR Polska 26 ATEX 0027 X**
- [4] Equipment/protective system: **Flame-Proof Signal Tower Lamp
type QST****-Ex Series**
- [5] Manufacturer: **QLight Co., Ltd.**
- [6] Address: **185-25, Mukbang-Ro, Sangdong-Myeon, Gimhae-Si,
Gyeongsangnam-Do, Republic of Korea**
- [6a] Second production site: **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**
- [7] The specified equipment/protective system and the approved variants/versions are specified in the ANNEX to this certificate and in the documents referred to in this certificate
- [8] ICR Polska Co., Ltd. as a Notified Body with the number 2703 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council of February 26, 2014 confirms that the equipment/protective system has been found to comply with the requirements set out in Annex II of Directive 2014/34/EU, defined as the ESSENTIAL HEALTH AND SAFETY REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF EQUIPMENT AND PROTECTIVE SYSTEMS INTENDED FOR USE IN A POTENTIAL ATMOSPHERE.
The results of the examinations and tests performed as well as the list of scheduled documentation are presented in a confidential Report No.:
ICR Polska/CR/260301
- [9] The essential health and safety requirements are ensured by meeting the following standards:
EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-31:2024
- [10] The "X" sign after the certificate number indicates that the equipment/protective system is subject to the specific conditions of use specified in the ANNEX to this certificate.
- [11] This EU-type examination certificate is only valid for the design, evaluation and testing of the product in question in accordance with Directive 2014/34/EU. The certificate does not cover the other requirements of the Directive relating to the production process and placing the equipment/protective system on the market.
- [12] The equipment / protective system should be marked:

II 2G Ex db IIC T6 Gb / II 2D Ex tb IIIC T85°C Db -40°C ≤ Ta ≤ +60°C IP66



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Director: Rafał Kalinowski

Warsaw, 20.03.2026



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[13] **ANNEX**

[14] to Certificate No.: **ICR Polska 26 ATEX 0027 X**

[15] Description of the equipment/protective system:
Flame-Proof Signal Tower Lamps, QST**-Ex series, are LED signal lamps used for status indication and alarms. Available in basic, terminal box, and direct-installation model types, they consist of a buzzer section, an LED light section, and a mounting/junction box section. Two entries are located on the junction box or QST50*M-Ex Types are connected directly. The cable entries thread type varies depending on the product type and is specified in the instruction manual. The enclosure features an aluminium housing and polycarbonate lens, and depending on the model, supports a buzzer sound, providing audible and visual alarm functions. The equipment provides a degree of protection IP66 in accordance with IEC 60529.**

Type of designation:

Model	Type Description
QST50-Ex	Basic
QST50B-Ex	Buzzer
QST50T-Ex	Terminal Body
QST50BT-Ex	Buzzer, Terminal Body
QST50M-Ex	Direct install
QST50BM-Ex	Buzzer, Direct install

[15.1] Technical parameters:

Classification of installation and use: fixed

Rated ambient temperature range (°C): -40°C to +60°C

Input: (110 ~ 230) Vac, Max. 22 W, 24 Vdc, Max. 7.2 W

Ingress protection: IP66

[16] Documentation:

Test Report No.: ICRT-TR-M260004-0A **made by ICR Co., Ltd. (Korea)**

[17] Specific conditions of use:

1. The manufacturer has maintained larger length, more stringent gap and a greater number of thread engagement of flameproof joints required by the standard. Hence, the user must refer to manufacturer before carrying out any repair or refurbishment to the equipment. The flame path length and gap specified in the certification drawings must never be modified.



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- [17] Specific conditions of use:
cont
2. The fastening screws for enclosure base body and terminal body shall be socket head cap screws made of stainless steel of size M5x0.8, 15L, property class A2-70 with minimum yield strength of 450 MPa.
 3. Potential electrostatic charging hazard - See instructions.
Care should be taken during installation and cleaning to avoid risk of ignition due to electro-static discharge. Cleaning of non-metallic surface must be done with a damp cloth only.
 4. The equipment input should be made through the Ex d, IEC 60079-1 certified cable gland.
 5. The manufacturer has maintained a greater number of threads for engagement than required by the standard at cable entries. User must ensure full thread engagement all the times.

- [18] Essential health and safety requirements:
EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-31:2024

Document history:

EU-type examination certificate ICR Polska 26 ATEX 0027 X issued 20.03.2026 – this document, initial certification (edition 0).



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