



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX EPS 14.0041X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 Issue 1 (2019-05-20)  
Date of Issue: 2021-03-01 Issue 0 (2014-08-27)  
Applicant: **QLight Co., Ltd.**  
185-25, Mukbang-Ro  
Sangdong-Myeon  
Gimhae-Si, Gyeongsangnam-Do  
**Korea, Republic of**  
Equipment: **Signal lamps and speaker type SESA\*\* / SEA\*\* / SPNA**  
Optional accessory:  
Type of Protection: **"d"**  
Marking: Ex db IIC T6 Gb

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
**Businesspark A96**  
**86842 Türkheim**  
**Germany**





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Page 2 of 4

Date of issue: 2021-03-01

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185-25, Mukbang-Ro  
Sangdong-Myeon  
Gimhae-Si  
Gyeongsangnam-Do  
**Korea, Republic of**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

DE/EPS/ExTR14.0051/00

DE/EPS/ExTR14.0051/01

DE/EPS/ExTR14.0051/02

Quality Assessment Report:

DE/EPS/QAR14.0012/06



# IECEx Certificate of Conformity

Certificate No.: **IECEx EPS 14.0041X**

Page 3 of 4

Date of issue: 2021-03-01

Issue No: 2

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The flameproof warning light with speaker type SESA\*\*, flameproof warning light type SEA\*\*, flameproof speaker type SPNA housed in aluminium enclosures in type of protection flameproof enclosure "d" are used to provide acoustic and/or visual signals. A breathing device of multiple screen element is mounted in the wall of the 'Ex d' of the types SESA\* and SPNA. Glass dome is protected by guard. IP protection is IP66.

## Type identification

Type	Description	Power
SESA	Bulb revolving	46W
SESAL	LED flashing and steady	39.1W
SESALR	LED revolving	41.4W
SESAS	Xenon lamp strobe	46W
SEA	Bulb revolving	25.3W
SEAL	LED flashing and steady	16.1W
SEALR	LED revolving	16.1W
SEAS	Xenon lamp strobe	25.3W
SPNA	Speaker only	29.9W

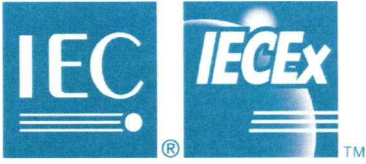
## Electrical Data

U = 12VDC or 24VDC or 120VAC or 230VAC

Telecommunication option: Voltage signal through telecommunication line is used to turn speaker and lighting part on and off. For the rated voltage of the telecommunication line see operation manual of the manufacturer.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

- Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of IEC 60079-1.
- The yield stress of the fastener elements of each part of the flame proof casing must be at least equal to 737 N/mm<sup>2</sup>.
- Ambient temperature range is from -40°C to + 60°C.



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Certificate No.: **IECEX EPS 14.0041X**

Page 4 of 4

Date of issue: 2021-03-01

Issue No: 2

## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

- Update of the applied standards.
- Update of technical document package.
- Editorial changes on CoC.