



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx EPS 16.0074X Issue No: 0 Certificate history:  
Issue No. 0 (2017-04-28)  
Status: Current Page 1 of 3  
Date of Issue: 2017-04-28  
Applicant: ecom instruments GmbH  
Industriestraße 2  
97959 Assamstadt  
Germany  
Equipment: LED-Flashlight type Lite-Ex PL \*  
Optional accessory:  
Type of Protection: intrinsic safety "i"  
Marking: Ex ia op is IIC T4 Ga IP65  
Ex ia IIIC T130°C Da IP65

Approved for issue on behalf of the IECEx  
Certification Body:

Holger Schaffer

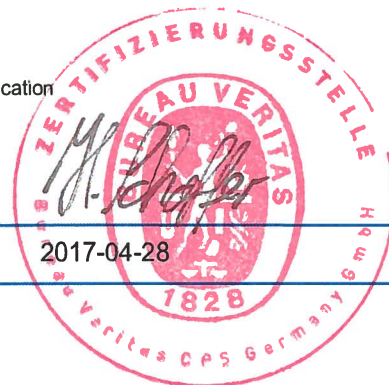
Position:

Manager Certification

Signature:  
(for printed version)

Date:

2017-04-28



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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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**Additional Manufacturing location(s):**

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*This Certificate does not indicate compliance with electrical 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 Report:

[DE/EPS/ExTR16.0073/00](#)

Quality Assessment Report:

[DE/PTB/QAR07.0004/03](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The LED-flashlight type Lite-Ex PL\* is a handheld product family, which is designed for use in zone 0/20.

The flashlights are made of an aluminium housing consisting of several pieces, which in turn are enclosed by an exterior plastic housing. The plastic housing is electrostatically conductive. The light source is a light-emitting diode which is powered by appropriate batteries.

### Electrical data:

Lite-Ex PL 10e and Lite-Ex PL 10e H are powered by three batteries of type LR03.

Lite-Ex PL 30e is powered by three batteries of type LR14.

### Ambient temperature range:

-20 °C to +50 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

The housing shall never be opened inside the hazardous area.

The batteries shall only be replaced outside the hazardous area and only with battery types approved by the manufacturer.

The safety instructions provided by the manufacturer shall be observed.