



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

Certificate No.:	IECEx FTZU 16.0017X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2017-05-26)
Date of Issue:	2020-11-27		Issue 1 (2017-02-15)
Applicant:	Streamlight Inc. 30 Eagleville Road Eagleville, PA 19403 United States of America		Issue 0 (2016-08-25)
Equipment:	Intrinsic safe flashlight DUALIE 3AA and DUALIE 3AA LASER		
Optional accessory:			
Type of Protection:	Intrinsic safety, inherently safe optical radiation		
Marking:	Ex ia op is IIC T3/T4 Ga		

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Lukáš Martinák

Position:

Head of Certification Body

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 or use of this QR Code.



Certificate issued by:

**Fyzikálne technický zkusební ústav
(Physical -Technical Testing Institute)
Pikartská 7, 71607 Ostrava - Radvanice
Czech Republic**





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Manufacturer: **Streamlight Inc.**
30 Eagleville Road
Eagleville, PA 19403
United States of America

Additional manufacturing locations: **ADDITIONAL MANUFACTURING LOCATION REDACTED**

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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:

[CZ/FTZU/ExTR16.0017/00](#)
[CZ/FTZU/ExTR16.0017/03](#)

[CZ/FTZU/ExTR16.0017/01](#)

[CZ/FTZU/ExTR16.0017/02](#)

Quality Assessment Reports:

[GB/BAS/QAR17.0010/02](#)

[NO/NEM/QAR14.0001/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is a portable, battery operated, hand-held flashlight. The equipment is an intrinsically safe apparatus. The equipment comprises a lantern body (red or yellow or black static dissipative plastic), a facecap (black plastic) and two switches (black rubber). Inside of the equipment there are three 1.5V primary alkaline cells size AA and max. three printed circuit boards with two white LEDs (type 3AA Propolymer Dualie) or one LED with one Laser LED (type 3AA Propolymer Dualie Laser). There are no input or output IS terminals.

Dimension: cylinder design - length cca 17.7cm , diameter of body cca 3.7cm, diameter of facecap part 4.5cm

Ambient temperature: -20 to +40°C

Temperature class T3: Panasonic LR6XP, Panasonic LR6XWA, Energizer E91;

Temperature class T4: Energizer L91 Lithium, Rayovac 815, Duracell MN1500;

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 1) The equipment shall only be opened in a non-hazardous area.
- 2) The cells type Energizer L91 Lithium or Rayovac 815 or Duracell MN1500 or Panasonic LR6XP or Panasonic LR6XWA or Energizer E91 shall only be used in the equipment.
- 3) For equipment variant with clip with magnets: The equipment enclosure includes attached external conductive parts. The measured capacitance on the magnets is 12 pF. The end user shall determine suitability in the specific application.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 3:

- 1) Evaluation according to the newest standard IEC 60079-0:2017 Ed.7.
- 2) Modification of materials and LEDs.
- 3) Additional Manufacturing location details has been updated.