



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 15.0029X**

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Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2019-02-27\)](#)

[Issue 1 \(2017-10-30\)](#)

[Issue 0 \(2015-10-21\)](#)

Date of Issue: 2022-08-30

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

Equipment: **Flashlight Survivor**

Optional accessory:

Type of Protection: **Intrinsic safety, inherently safe optical radiation**

Marking: Ex ia op is IIB T3/T4 Ga
Ex ia op is IIC T3/T4 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Martin Gregor

Position:

Vice Head of Certification Body

Signature:
(for printed version)

Date:
(for printed version)

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

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 60079-11:2011 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/ExTR15.0029/00
CZ/FTZU/ExTR15.0029/03

CZ/FTZU/ExTR15.0029/01

CZ/FTZU/ExTR15.0029/02

Quality Assessment Report:

NO/NEM/QAR14.0001/05



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is a hand held, battery operated flashlight. The equipment comprises a body in two colours (yellow, red), a facecap with optic, a switch sealed by boot and fixing clip. Inside there are four 1.5V primary alkaline or lithium cells size AA in a carrier or the Streamlight pack 90316 with two secondary cells, three printed circuit boards with electronics. As a light source a high power white LED is used. There are charging pins for the version with the Streamlight pack 90316.

Parameters:

Degree of protection: IP 66

Ambient temperature: -20 to +40°C

Charging voltage: $U_m = 15\text{ V}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The equipment shall be charged by manufacturer's chargers only and opened when the hazardous area is not present.
2. The equipment shall be worn or carried on the body while in hazardous area. The equipment shall not be stored in a hazardous area to prevent build up an electrostatic charge. The measured capacitance of accessible metal parts:
 - Charge contacts while used with Streamlight pack 90316 is 15 pF and
 - D-ring is 9 pF.
3. The cells size AA type Energizer L91 Lithium, Rayovac 815, Duracell MN1500 or Streamlight pack 90316 for temperature class T4 and type Panasonic LR6XP, Panasonic LR6XWA, Energizer E91 for temperature class T3 shall only be used in the equipment.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 3:

The new materials of the enclosure parts - body, switch ring and clip were alternatively added.