



EC-Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)

(3) EC-Type Examination Certificate Number:

FTZÚ 15 ATEX 0046X

(4) Equipment or protective system: **Flashlight Survivor**

(5) Manufacturer: **Streamlight, Inc.**

(6) Address: **30 Eagleville Road, Eagleville, PA 19403, USA**

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°:

15/0046 dated 12.10.2015

(9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012, EN 60079-11:2012

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and testing of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:



II 1G Ex ia IIB T3/T4 Ga
II 2G Ex ia IIC T3/T4 Gb

- ref. clause 17.3

(13) This EC-Type Examination Certificate is valid till: **12.10.2020**

Responsible person:

V. Z. Fojt

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: **12.10.2015**

Page: 1/4

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FTZÚ, s.p., Pikartská 1337/7, 716 07 Ostrava-Radvanice, Czech Republic,
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**Physical Technical Testing Institute
Ostrava – Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 15 ATEX 0046X**

(15) Description of Equipment:

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: $U_m = 15\text{ V}$

(16) Report No.: 15/0046

(17) Special conditions for safe use:

17.1 The equipment shall be charged by manufacturer's chargers only and opened when the hazardous area is not present.

17.2 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 15pF.

17.3 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.

(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standard mentioned in (9), according which the product was verified and in the manufacturer's instruction for use No. 998131.

Responsible person:

V. Z. Jof

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.10.2015

Page: 2/4

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 15 ATEX 0046X**

(19) List of Documentation:

Document No.:	Rev.:	Date:	Pages:	Title:
B 330215	C	04.12.2015	1	Switch Boot
B 670015	E	30.09.2014	1	Valve
D 905002	B	14.08.2013	1	Battery Door
B 905003	D	19.03.2015	1	Switch Ring
C 905027	A	24.05.2006	1	Battery Door Assy
A 905028	T3	01.08.2006	1	Battery Door O-Ring
C 905030	B	02.06.2015	1	Alkaline Battery Carrier
A 905046	T1	19.06.2006	1	Housing O-Ring
C 908000-3	A	01.10.2015	1	Survivor ATEX Assy
D 908001	C	19.03.2015	1	Body
A 908002	C	23.03.2015	1	Lens
C 908003	H	27.07.2015	1	Facecap
C 908004	C	14.07.2015	1	Optic
C 908007	E	17.02.2015	1	Clip
C 908008	C	16.01.2014	1	Clip Assy
D 908009	D	24.02.2014	1	Heatsink
A 908013	B	23.12.2013	1	Facecap O-Ring
A 908024	B	06.10.2015	1	ATEX Label
C 908030	B	13.08.2015	1	ATEX LED Module Assy
C 908031	B	13.08.2015	1	ATEX Electrical Assy
C 908032	B	13.08.2015	1	ATEX Switch PCB Assy
B 908033	B	13.08.2015	1	ATEX Switch PCB
A 908034	B	13.08.2015	1	ATEX LED Assy
A 908035	B	26.08.2015	1	ATEX LED PCB
C 998131	B	02.10.2015	1	ATEX Addendum
C 903160	C	08.05.2015	1	Lithium Battery Pack Assy
903136 Ass	F	18.09.2015	4	Battery Case and Boards Sub Assy
903138 Ass	F	18.09.2015	4	Center and Contact PCB Assy
903139 Ass	F	18.09.2015	10	Center PCB Assy

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.10.2015

Page: 3/4

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Physical Technical Testing Institute
Ostrava – Radvanice

(13) **Schedule**

(14) **EC-Type Examination Certificate N° FTZÚ 15 ATEX 0046X**

(19) List of Documentation: continue

Document No.:	Rev.:	Date:	Pages:	Title:
908030 Ass	C	09.09.2015	4	LED Module Assy
908031 Ass	C	09.09.2015	4	Electronics Assy
908032 Ass	C	09.09.2015	10	Switch PCB Assy
C 903136	C	24.03.2015	1	Batt Case and Boards Sub. Assy
D 903137	D	04.04.2015	1	Case Button
B 903138	D	25.03.2015	1	Center, Contact PCB Assy
B 903139	D	24.03.2015	1	Center, PCB Assy
B 903140	C	24.03.2015	1	PCB Center
B 903143	C	24.03.2015	1	Contact, PCB Assy
B 903145	C	24.03.2015	1	Spring PCB Assy
B 903146	D	24.03.2015	1	PCB, spring
D 903147	D	04.04.2015	1	Top Case
B 903171	D	24.03.2015	1	PCB, Module Contact
B 903173	C	12.08.2015	1	Cell, Assy
A 903174	C	12.08.2015	1	Cell
A 903175	B	05.08.2015	1	Contact Bent
A 903176	B	05.08.2015	1	Contact, Straight
903143 Ass	C	24.03.2015	5	Lithium Battery Pack Assy
903145 Ass	C	24.03.2015	5	Spring PCB Assy

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.10.2015

Page: 4/4

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Physical-Technical Testing Institute
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(1) **Supplementary EU - Type Examination Certificate No.1**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 15 ATEX 0046X

(4) Product: **Flashlight Survivor**

(5) Manufacturer: **Streamlight, Inc.**

(6) Address: **30 Eagleville Road, Eagleville, PA 19403, USA**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 15 ATEX 0046X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013, EN 60079-11:2012

(11) The marking of the product shall include the following:



II 1G Ex ia IIB T3/T4 Ga

II 2G Ex ia IIC T3/T4 Gb

(12) This certificate is valid till: **12.10.2020**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 18.07.2016

Page: 1/2

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 15 ATEX 0046X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standard: EN 60079-0:2012/A11:2013.
- Minor corrections in Instructions.

Technical data remain unchanged.

(16) Report Number.: 15/0046/1

(17) Specific Conditions of Use:

None additional to those listed previously.

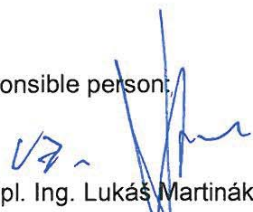
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number:	Revision:	Date:	Pages:	Title:
C998131	D	27.06.2016	1	Instructions

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 18.07.2016

Page: 2/2



Physical-Technical Testing Institute
Ostrava - Radvanice



(1) **Supplementary EU - Type Examination Certificate No.2**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 15 ATEX 0046X

(4) Product: **Flashlight Survivor**

(5) Manufacturer: **Streamlight, Inc.**

(6) Address: **30 Eagleville Road, Eagleville, PA 19403, USA**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 15 ATEX 0046X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-28:2015

(11) The marking of the product shall include the following:



II 1G Ex ia op is IIB T3/T4 Ga

II 2G Ex ia op is IIC T3/T4 Gb

(12) This certificate is valid till: **12.10.2020**

Responsible person:

V. Z. Jof

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.10.2017

Page: 1/2

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 15 ATEX 0046X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate:

- Evaluation according to the standard EN 60079-28:2015.
- The marking has been updated.
- Changes in mechanical construction.

The product has been newly evaluated in the scope of the standard EN 60079-28:2015 and the marking has been updated with letters "op is". The items Switch boot and Clip assy have been modified. The specific conditions of use have been revised. Technical data remain unchanged.

(16) Report Number.: 15/0046/2

(17) Specific Conditions of Use: revised cl.17.2

17.1 The equipment shall be charged by manufacturer's chargers only and opened when the hazardous area is not present.

17.2 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.

17.3 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.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Document No.:	Rev.:	Date:	Pages:	Title:
B 330215	D	04.10.2017	1	Switch Boot
C 908008	D	09.12.2015	1	Clip Assembly
A 908024	C	24.10.2017	1	ATEX Label
C 998131	E	23.10.2017	1	ATEX Addendum

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

Date of issue: 30.10.2017

Page: 2/2



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(1) **Supplementary EU - Type Examination Certificate No.3**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 15 ATEX 0046X

(4) Product: **Flashlight Survivor**

(5) Manufacturer: **Streamlight, Inc.**

(6) Address: **30 Eagleville Road, Eagleville, PA 19403, USA**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 15 ATEX 0046X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-11:2012, EN 60079-28:2015

(11) The marking of the product shall include the following:



II 1G Ex ia op is IIB T3/T4 Ga

II 2G Ex ia op is IIC T3/T4 Gb

(12) This certificate is valid till: **27.02.2024**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 27.02.2019

Page: 1/2



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 15 ATEX 0046X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standard.
- Changes in mechanical construction.
- Prolongation of certificate validity.

The product has been evaluated according to the newest standard EN IEC 60079-0:2018. The items Facecap and Lens have been integrated into one part. The materials of Facecap and Switch boot have been modified. Technical data remain unchanged.

Approval documentation has been updated and is listed in clause (19).

(16) Report Number.: 15/0046/3 dated 27.02.2019

(17) Specific Conditions of Use:

None additional to those listed previously.

(18) Essential Health and Safety Requirements:

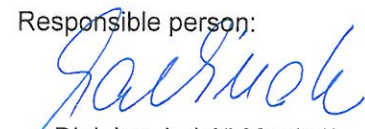
Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Document No.:	Rev.:	Date:	Pages:	Title:
B 330215	F	05.06.2018	1	Switch Boot
C 908000-3	C	16.10.2018	1	Survivor ATEX Assembly
A 908024	D	19.02.2019	1	ATEX Label
D 908039	E	30.10.2018	1	Overmold Facecap
C 998131	F	26.02.2019	1	ATEX Addendum
B 903173	F	18.07.2016	1	Cell, Assy
A 903174	F	18.07.2016	1	Cell

Responsible person:

Date of issue: 27.02.2019


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Page: 2/2