



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 11 ATEX 0052X

- (4) Equipment or protective system: **Headlamp 3AA Haz-Lo II**
(5) Manufacturer: **Streamlight, Inc.**
(6) Address: **30 Eagleville Road, Eagleville PA 19403 U.S.A.**
(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°

11/0052 dated 12.07.2011

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

EN 60079-0:2009, EN 60079-11:2007, EN 60079-26:2007

- (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 following:

 **II 1G Ex ia IIC T3 Ga**

This EC-Type Examination Certificate is valid till: **12.07.2016**

Responsible person:

Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 12.07.2011

Page: 1/2

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 11 ATEX 0052X**

(15) Description of Equipment or Protective System:

The equipment is a portable, battery operated headlamp. The equipment is an intrinsically safe apparatus. The equipment comprises a lamp body (orange or yellow ABS) with two endcaps (black PC), a facecap (black PC), a switch sealed by boot and a saddle with elastic headstrap. Inside of the equipment there are three 1.5V primary alkaline cells size AA in a battery case and two printed circuit boards with electronic. As a light source is used a high power white LED. Ambient temperature is in the range from -20°C to +40°C.

(16) Report No. : 11/0052 dated 12.07.2011

(17) Special conditions for safe use:

17.1 The equipment shall only be opened in a non-hazardous area.

17.2 The cells type Duracell MN1500 size AA 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.


(19) List of Documentation:

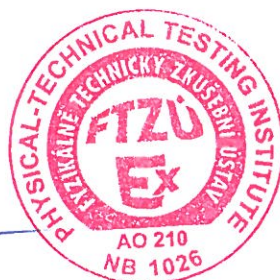
No.	Drawing No.	Rev.	Sheets	Date
1	B 612500	C	1	21.06.2011
2	B 612001	C	1	10.12.2010
3	A 612002	B	1	27.08.2007
4	A 612006	A	1	10.11.2006
5	A 612007	A	1	10.11.2006
6	B 612011	T2	1	13.09.2006
7	B 612016	T1	1	06.07.2006
8	B 612017	T3	1	25.10.2006
9	B 612021	A	1	10.11.2006
10	A 612029	A	1	30.06.2011

No.	Drawing No.	Rev.	Sheets	Date
11	B 612030	A	1	29.06.2011
12	A 612040	A	1	06.07.2011
13	A 612049	A	1	22.06.2011
14	B 612902-1	A	1	22.06.2011
15	B 996125-1	A	1	22.06.2011
16	PCB'S, BOM	-	3	07.09.2006
17	612026-A	A	1	23.02.2007
18	612010-D	D	2	23.02.2007
19	612012-C	C	2	23.02.2007

The documentation was verified by FTZÚ dated 12.07.2011.

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 12.07.2011

Page: 2/2

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.

FTZÚ, Píkarská 7, 716 07 Ostrava Radvanice, tel +420 595 223 111, fax +420 596 232 672, e-mail: ftzu@ftzu.cz



(1) **Supplement No. 1 to
EC-Type Examination Certificate**

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

(3) EC-Type Examination Certificate Number:

FTZÚ 11 ATEX 0052X

(4) Equipment or protective system: **Headlamp 3AA Haz-Lo II**

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

(6) Address: **30 Eagleville Road, Eagleville PA 19403 U.S.A.**

(7) This supplement of certificate is valid for: - modification of certified equipment

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfill before products are place on market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:


EN 60079-0:2009, EN 60079-11:2007, EN 60079-26:2007

(11) Marking of equipment shall contain symbols:

 **II 1G Ex ia IIC T3 Ga**

(12) This type examination certificate is valid till: **12.07.2016**

Responsible person:


Dipl. Ing. Sindler Jaroslav
Head of certification body




Date of issue: 17.01.2012

Page: 1/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.

FTZÚ, Píkatřská 7, 716 07 Ostrava Radvanice, tel +420 596 223 111, fax +420 596 232 672, e-mail: ftzu@ftzu.cz



Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14)

**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 11 ATEX 0052X**

(15) Description of Equipment or Protective System:

Variation one, to permit:

- a) change to the Battery Separator p/n 612049 to a flat design,
- b) minor documentation changes.

The changes are listed in verified manufacturer's documents mentioned in clause (19) of this supplement. The changes do not affect the intrinsic safety.

(16) Report No.: 11/0052/1

(17) Special conditions for safe use: remain unchanged

(18) Essential Health and Safety Requirements: refer to basic certificate

(19) List of Documentation:

- [1] Drawing No. B612001, Rev.D, Sheet: 1, Date: 03.11.2011
- [2] Drawing No. B612011, Rev.A, Sheet: 1, Date: 02.11.2011
- [3] Drawing No. B612017, Rev.B, Sheet: 1, Date: 22.11.2011
- [4] Drawing No. B612040, Rev.B, Sheet: 1, Date: 10.11.2011
- [5] Drawing No. B612049, Rev.B, Sheet: 1, Date: 15.12.2011
- [6] Drawing No. B612500, Rev.D, Sheet: 1, Date: 15.12.2011

The documentation was verified by FTZÚ dated 17.01.2012.

Responsible person:


Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 17.01.2012

Page: 2/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.

FTZÚ, Pikartská 7, 716 07 Ostrava Radvanice, tel +420 596 223 111, fax +420 596 232 672, e-mail: ftzu@ftzu.cz



(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 Examination Certificate number:

FTZÚ 11 ATEX 0052X

(4) Product: **Headlamp 3AA Haz-Lo II**

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

(6) Address: **30 Eagleville Road, Eagleville PA 19403 U.S.A.**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 11 ATEX 0052X 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 IIC T3 Ga**

(12) The certificate is valid till: **13.05.2021**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 13.05.2016

Page: 1/2



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 11 ATEX 0052X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- modification of certified product,
- evaluation according to the newest standards,
- prolongation of certificate validity.

The product has changed a mechanical construction. The enclosure materials are superseded by new electrostatic dissipative materials. The descriptive documents and Instructions have been updated.

(16) Report Number.: 11/0052/2

(17) Specific Conditions of Use:

updated

1. The product shall only be opened in a non-hazardous area.
2. The cells type Duracell MN1500 size AA shall only be used in the product.
3. The product shall be properly fixed and it is not allowed to manipulate in hazardous area.

(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:	Sheets:	Rev:	Date:	Description:
B 612500	1	G	14.04.2016	ATEX ASSY, 3AA HAZ-LO
B 612001	1	E	14.04.2016	BODY ASSY
B 612027	1	B	23.02.2016	BODY
B 612016	1	A	14.04.2016	END CAP, LOGO
B 612017	1	C	14.04.2016	END CAP, MARKINGS
A 612002-1	1	A	14.04.2016	FACECAP/LENS ASSY, ATEX
B 612033	1	A	09.05.2016	HEAD PLATE
B 612060	1	A	12.05.2016	BATTERY CASE ASSY, ATEX
B 612061	1	A	09.05.2016	BATTERY CARRIER, ATEX
A 612902-1	1	A	22.06.2011	MARKINGS, ATEX APPROVAL
B 996125-1	1	C	15.04.2016	ATEX ADDENDUM, INSTRUCTIONS

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 13.05.2016

Page: 2/2

This certificate is granted subject to the general conditions of the FTZÚ, s.p.

This certificate may only be reproduced in its entirety and without any change, schedule included.



(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 11 ATEX 0052X

(4) Product: **Headlamp 3AA Haz-Lo II**

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

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

- (7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 11 ATEX 0052X 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 IIC T3 Ga**

(12) This certificate is valid till: **19.12.2023**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 19.12.2018

Page: 1/3



Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 11 ATEX 0052X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus.
- Evaluation according to the newest standards.
- Prolongation of certificate validity.

The product has changed the type of LED. The product enclosure has been modified. The product newly fulfils degree of protection IP6X.

New types of battery cells which can be used in the product have been added.

The product has been evaluated according to the newest standard EN IEC 60079-0:2018 and EN 60079-28:2015. The mark "op is" has been added to the marking due to the standard EN 60079-28:2015.

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

Technical parameters:

Degree of protection: IP6X

(16) Report Number.: 11/0052/3

(17) Specific Conditions of Use:

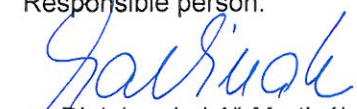
updated in point 2 and 3

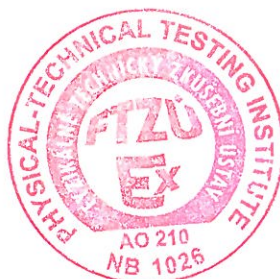
1. The product shall only be opened in a non-hazardous area.
2. The cells type Duracell MN1500 or Panasonic LR6XWA or Panasonic LR6XJ or Varta Longlife or Varta Industrial size AA shall only be used in the product.
3. The product shall be properly fixed on the user's head in hazardous area.

(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.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 19.12.2018

Page: 2/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

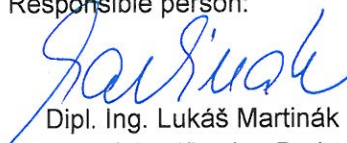
Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 11 ATEX 0052X**

(19) Drawings and Documents: only updated

Number:	Sheets:	Rev.:	Date:	Description:
B 612500	1	H	01.06.2018	ATEX ASSY, 3AA HAZ-LO
B 612001	1	F	23.04.2018	BODY ASSY
B 612027	1	C	28.10.2018	BODY .
A 612902-1	1	C	22.10.2018	MARKINGS, ATEX APPROVAL
B 996125-1	1	F	22.10.2018	ATEX ADDENDUM, INSTRUCTIONS
A 612021	1	B	27.08.2007	SWITCH BOOT
A 612029	1	C	23.04.2018	LED/STAR PCB ASSY

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 19.12.2018

Page: 3/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.

This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



(1) **Supplementary EU - Type Examination Certificate No.4**

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

(3) EU - Type Examination Certificate number:

FTZÚ 11 ATEX 0052X

(4) Product: **Headlamp 3AA Haz-Lo II**

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

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

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 11 ATEX 0052X 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

If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

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

 **II 1G Ex ia op is IIC T3 Ga**

(12) This certificate is valid till: **28.02.2027**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.02.2022

Page: 1/3



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

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 11 ATEX 0052X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified product;
- Extension of certificate validity.

Modifications of product are – added alternatives to the electronic components, added an alternative material of the enclosure.

The product changes have been evaluated according to the standards mentioned in clause (10). The validity of the certificate has been extended for the next five years. The documentation has been updated and is listed in clause (19).

Technical parameters: recapitulation

Ambient temperature: $-20\text{ °C} \leq T_a \leq +40\text{ °C}$

Degree of protection: IP6X

(16) Report Number: 11/0052/4

(17) Specific Conditions of Use: recapitulation

1. The product shall only be opened in a non-hazardous area.
2. The cells type Duracell MN1500 or Panasonic LR6XWA or Panasonic LR6XJ or Varta Longlife or Varta Industrial size AA shall only be used in the product.
3. The product shall be properly fixed on the user's head in hazardous area.

(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.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.02.2022

Page: 2/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 11 ATEX 0052X**

(19) Drawings and Documents:

Number:	Revision:	Sheets:	Date:	Description:
*612500	J	1	07.05.2019	ATEX ASSY, 3AA HAZ-LO
612001	F	1	23.04.2018	Body ASSY
612006	A	1	10.11.2006	O-Ring, Facecap
612007	A	1	10.11.2006	O-Ring, Body
*612011	E	1	03.06.2021	Battery Contact, PCB ASSY
*612016	B	1	08.11.2021	End Cap
*612017	D	1	08.11.2021	End Cap, ATEX Marking
612021	B	1	27.08.2007	Switch Boot
*612027	D	1	08.11.2021	Body
*612029	E	1	24.11.2021	LED/STAR PCB ASSY
612030	A	1	29.06.2011	Heat Sink
*612033	B	1	25.02.2022	Head plate
612040	B	1	10.11.2011	Reflector
612060	A	1	12.05.2016	Battery Case ASSY
612061	A	1	09.05.2016	Battery Carrier
612002-1	A	1	14.04.2016	Facecap/LENS ASSY
*612902-1	D	1	30.04.2019	Markings, ATEX Approval
996125-1	F	1	22.10.2018	ATEX Addendum, Instructions
612010	-	2	23.02.2007	PCB
612012	-	2	23.02.2007	PCB, Switch
612026	A	1	23.02.2007	Schematic

Note: An * is included before the Number of documents that are new or revised.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.02.2022

Page: 3/3