



EU - Type Examination Certificate

(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 0221X

(4) Product: **Intrinsically safe flashlight type DUALIE 3AA and DUALIE 3AA LASER**

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

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

(7) This product and any 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 Articles 17 of Directive 2014.34.EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product 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.

The examination and test results are recorded in confidential Report number:

15.0221 dated 25.08.2016


(9) 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

(10) 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) This certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

 **II 1G Ex ia op is IIC T3/T4 Ga**

This certificate is valid till: **25.08.2021**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.08.2016

Page: 1/2

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.



Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **EU - Type Examination Certificate No. FTZÚ 15 ATEX 0221X**

(15) Description of Product:

The product is a portable, battery operated, hand-held flashlight. The product is an intrinsically safe apparatus. The product 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 three printed circuit boards with two white LEDs (type DUALIE 3AA) or two printed circuit boards with one LED and one Laser LED (type DUALIE 3AA LASER).

Ambient temperature: -20°C to +40°C

Temperature class T4: Energizer L91 Lithium
Rayovac 815
Duracell MN1500

T3: Panasonic LR6XP
Panasonic LR6XWA
Energizer E91

(16) Report Number.: 15.0221

(17) Specific Conditions of Use:

1. The product 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 product.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

(19) Drawings and Documents:

| Number: | Mech. rev., date: | El. rev., date: | Number: | Mech. rev., date: | El. rev., date: |
|---------|-------------------|-----------------|---------|-------------------|-----------------|
| 687500 | J 20.07.2016 | | 687544 | A 20.05.2016 | A 20.05.2016 |
| 687513 | D 23.03.2015 | | 687600 | H 20.07.2016 | |
| 687514 | C 27.05.2015 | | 687601 | G 14.07.2016 | |
| 687531 | F 29.03.2016 | | 687615 | A 23.05.2016 | B 01.06.2016 |
| 687533 | F 14.07.2016 | | 687612 | A 23.05.2016 | B 01.06.2016 |
| 687501 | M 10.08.2016 | | 687613 | A 20.05.2016 | B 01.06.2016 |
| 687502 | E 09.04.2015 | | 687614 | A 23.05.2016 | B 01.06.2016 |
| 687508 | D 10.06.2015 | | 687607 | D 24.11.2014 | |
| 687511 | D 10.06.2015 | | 687527 | C 16.04.2015 | |
| 687545 | A 20.05.2016 | A 20.05.2016 | 687528 | B 18.09.2014 | |
| 687542 | A 20.05.2016 | A 20.05.2016 | 687526 | C 14.11.2014 | |
| 687543 | A 20.05.2016 | A 20.05.2015 | 687592 | A 25.08.2016 | |
| 687519 | C 15.08.2016 | B 13.02.2015 | 998136 | A 25.08.2016 | |

Responsible person:

V. Z. Jof

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.08.2016

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.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 0221X

(4) Product: **Intrinsically safe flashlight type DUALIE 3AA and DUALIE 3AA LASER**

(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 0221X 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 IIC T3/T4 Ga**

(12) This certificate is valid till: **25.08.2021**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.02.2017

Page: 1/2



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 15 ATEX 0221X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus.
- Minor corrections in Instructions.

The product type DUALIE 3AA and DUALIE 3AA LASER were added with new possibility – new clip with magnets. The clip is made from a different material than the body and contains two magnets. There were updated the specific condition of use.

Technical data remain unchanged.

(16) Report Number.: 15/0221/1

(17) Specific Conditions of Use: updated

1. The product 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 product.
3. For product variant with clip with magnets: The product enclosure includes accessible metal parts. The measured capacitance on the magnets is 12 pF. The end user shall determine suitability in the specific application.

(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: |
|----------|-----------|------------|
| 687547-1 | E | 20.09.2016 |
| 998136 | C | 13.02.2017 |

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.02.2017

Page: 2/2



(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 0221X

(4) Product: **Intrinsically safe flashlight type DUALIE 3AA and DUALIE 3AA LASER**

(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 0221X 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:

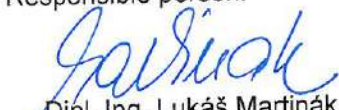
EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-28:2015

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

 **II 1G Ex ia op is IIC T3/T4 Ga**

(12) This certificate is valid till: **25.08.2021**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 19.05.2017

Page: 1/2



Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 15 ATEX 0221X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus.
- Minor corrections in approval documentation.

The type DUALIE 3AA and DUALIE 3AA LASER has been modified. There is used the new generation of LED. The manufacturer has updated part number of the LED and product name in approval documentation.

(16) Report Number.: 15/0221/2

(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: |
|---------|-----------|------------|
| 687519 | C | 21.03.2017 |
| 687542 | B | 21.03.2017 |
| 687543 | B | 21.03.2017 |
| 687545 | B | 21.03.2017 |
| 687612 | C | 22.03.2017 |
| 687613 | C | 22.03.2017 |
| 687615 | C | 22.03.2017 |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 19.05.2017

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 15 ATEX 0221X

(4) Product: **Intrinsically safe flashlight type DUALIE 3AA and DUALIE 3AA LASER**

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

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

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 15 ATEX 0221X 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) 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


(10) 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/T4 Ga**

(12) This certificate is valid till: **30.11.2025**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 27.11.2020

Page: 1/2

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.



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 15 ATEX 0221X**

(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 flashlight type DUALIE 3AA and DUALIE 3AA LASER has been modified. There is a minor change in material and LEDs.

The flashlight has been evaluated according to the newest standard EN IEC 60079-0:2018.

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

Technical data remain unchanged.

(16) Report Number: 15/0221/3

(17) Specific Conditions of Use: - updated

1. The product 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 product.
3. For product variant with clip with magnets: The product 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.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this supplementary certificate.

(19) Drawings and Documents:

| Number: | Mech. rev., date: | El. rev., date: | Number: | Mech. rev., date: | El. rev., date: |
|---------|-------------------|-----------------|---------|-------------------|-----------------|
| 687514 | F 19.06.2018 | - | 687519 | - | D 25.06.2020 |
| 687501 | N 22.03.2018 | - | 687615 | - | D 20.07.2020 |
| 687508 | F 21.08.2018 | - | 687612 | - | D 20.07.2020 |
| 687511 | F 21.08.2018 | - | 687613 | - | D 20.07.2020 |
| 687545 | - | C 25.06.2020 | 687592 | B 08.09.2016 | - |
| 687542 | - | C 25.06.2020 | 998136 | D 24.11.2020 | - |
| 687543 | - | C 25.06.2020 | | | |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 27.11.2020

Page: 2/2



Physical-Technical Testing Institute
Ostrava - Radvanice



(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 15 ATEX 0221X

(4) Product: **Intrinsically safe flashlight type DUALIE 3AA and
DUALIE 3AA LASER and
DUALIE 3AA COLOR-RITE**

(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 0221X 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/T4 Ga**

(12) This certificate is valid till: **30.06.2027**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.06.2022

Page: 1/3



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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 15 ATEX 0221X**

(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 the product are in addition of the new type named DUALIE 3AA COLOR-RITE which has two front facing LEDs and in addition of 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: IP66

| | | |
|-----------------------|-----------------------|---------------------|
| Temperature class T4: | Energizer L91 Lithium | T3: Panasonic LR6XP |
| | Rayovac 815 | Panasonic LR6XWA |
| | Duracell MN1500 | Energizer E91 |

(16) Report Number: 15/0221/4

(17) Specific Conditions of Use: recapitulation

1. The product 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 product.
3. For product variant with clip with magnets:

The product 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.

(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: 30.06.2022

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, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 15 ATEX 0221X**

(19) Drawings and Documents:

| Number: | Mech. rev.: | Date: | El. rev.: | Date: | Description: |
|-----------|-------------|------------|-----------|------------|-----------------------------------|
| 687500 | J | 20.07.2016 | - | - | Assy Dualie 3AA |
| 687513 | D | 23.03.2015 | - | - | Lens |
| 687514 | F | 19.06.2018 | - | - | Lens seal |
| 687531 | F | 29.03.2016 | - | - | Facecap |
| 687533 | F | 14.07.2016 | - | - | Body assembly |
| *687501 | T | 29.06.2022 | - | - | Body |
| 687502 | E | 09.04.2015 | - | - | Lens body |
| 687508 | F | 21.08.2018 | - | - | Front boot |
| 687511 | F | 21.08.2018 | - | - | Side boot |
| 687545 | A | 20.05.2016 | C | 25.06.2020 | ATEX switch LED assembly |
| 687542 | A | 20.05.2016 | C | 25.06.2020 | ATEX electronic Assy |
| 687543 | A | 20.05.2016 | C | 25.06.2020 | ATEX main LED PCB Assy |
| 687519 | B | 18.08.2014 | D | 25.06.2020 | Side LED PCB Assy |
| 687544 | A | 20.05.2016 | A | 20.05.2016 | ATEX switch PCB Assy |
| 687600 | H | 20.07.2016 | - | - | Assy Dualie 3AA Laser |
| 687601 | G | 14.07.2016 | - | - | Lase body Assembly |
| 687615 | A | 23.05.2016 | D | 20.07.2020 | ATEX switch, LED, Laser assy |
| 687612 | A | 23.05.2016 | D | 20.07.2020 | ATEX laser electronic assy |
| 687613 | A | 20.05.2016 | D | 20.07.2020 | ATEX LED/Laser PCB assy |
| 687614 | A | 23.05.2016 | B | 01.06.2016 | ATEX Laser switch PCB assy |
| 687607 | D | 24.11.2014 | - | - | Laser |
| 687527 | C | 16.04.2015 | - | - | Contact, long |
| 687528 | B | 18.09.2014 | - | - | Contact, short |
| 687526 | C | 14.11.2014 | - | - | Spring negative |
| 687592 | B | 08.09.2016 | - | - | Approval markings ATEX |
| 687547-1 | E | 20.09.2016 | - | - | Clip, magnet |
| *998136 | E | 30.06.2022 | - | - | ATEX addendum instructions |
| *689000 | E | 23.06.2022 | - | - | Dualie 3AA Color-Rite |
| *689001 | D | 23.06.2022 | - | - | Body assembly |
| *689003 | D | 23.06.2022 | - | - | Switch/LED Assy Dualie color-rite |
| *689004 | D | 23.06.2022 | - | - | Multi-PCB Assembly |
| *689006 | A | 30.06.2021 | A | 06.04.2021 | Switch PCB assembly |
| *689008 | A | 30.06.2021 | A | 30.06.2021 | Spot PCB assembly |
| *689011 | A | 30.06.2021 | A | 30.06.2021 | Side PCB assembly |
| *689013-1 | C | 27.06.2022 | A | 23.06.2022 | Flood PCB assembly |

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: 30.06.2022

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.