



(1) **EU-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 18 ATEX 0177 X**
- (4) Product: Hand light Types refer to general product information
- (5) Manufacturer: Underwater Kinetics
- (6) Address: 13400 Danielson Street, Poway, CA 92064, United States of America
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 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 no 21CH-00578.X03
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
EN IEC 60079-0:2018
EN 60079-11:2012
- Except in respect of those requirements listed at item 18 of the schedule.
- (10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate. The sign «U» is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this 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:



See page 2: Ex marking

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 18 ATEX 0177 X

(15) **Description of product**

The handlight type UK3AA ELED *** is a universal lamp. The light source in the lamp head consists of an LED unit. Depending on the particular model, the lamp is switched on and off with a pushbutton on the side or back or by screwing and unscrewing the lamp head. The used batteries are primary cells. Depending on the particular model, the lamp housing has a special clip for attaching to Gallet firemen's helmets.

Ex marking:


II 1G Ex ia IIC T4 Ga

II 1D Ex ia IIIC T₂₀₀135 °C Da

Classification of installation and use:

Personal

Ingress protection:

IP6X

Rated ambient temperature range (°C): -20 °C ...+40 °C respective -20 °C ...+30 °C

Type reference:

UK 3AA ELED LH-ET11P,	UK 3AA ELED LHD-ET11P,	UK 3AA ELED CPO-ET11P,
UK 3AA ELED ZOOM-ET11P,	UK 3AA ELED LH-ES11P,	UK 3AA ELED LHD-ES11P,
UK 3AA ELED CPO-ES11P,	UK 3AA ELED ZOOM-ES11P,	UK 3AA ELED LH-ET12P,
UK 3AA ELED LHD-ET12P,	UK 3AA ELED CPO-ET12P,	UK 3AA ELED ZOOM-ET12P,
UK 3AA ELED LH MB-ES11P,	UK 3AA ELED LHD MB-ES11P,	UK 3AA ELED CPO MB-ES11P,
UK 3AA ELED ZOOM MB-ES11P		

Batteries (Alkaline - MnO ₂)	Voltage (U)	Ambient temperature range	Temperature classification
DURACELL OEM (duralock); LR6/AA	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4
DURACELL INDUSTRIAL; LR6/AA	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4
DURACELL PLUS POWER; LR6/AA	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4
Energizer INDUSTRIAL LR6/AA	4.5 V (3 x 1.5 V)	-20 °C to +30 °C	T4
Energizer ULTIMATE LITHIUM L91	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4
RAYOVAC AA (4006)	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4
VARTA LONGLIFE; LR6/AA (4106)	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4
VARTA HIGH ENERGY; LR6/AA (4906)	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4
VARTA LONGLIFE Power; LR6/AA (4906)	4.5 V (3 x 1.5 V)	-20 °C to +40 °C	T4

(16) **Report number**

21CH-00586.X03

(17) Special conditions for safe use:

- Do not open in hazardous locations.
- Only the batteries listed in the operating instructions may be used.
- Only batteries of the same electrochemical system, cell type, nominal capacity and manufacturer may be used together.
- For temperature rating refer to the operating instructions.

(18) Essential health and safety requirements

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) Drawings and Documents

See test report "Manufacturer's Documents"

UK Type Examination Certificate CML 22UKEX2307X Issue 0**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Hand light Types refer to general product information**
- 3 Manufacturer **Underwater Kinetics**
- 4 Address **13400 Danielson Street, Poway, CA 62064, USA**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:
EN IEC 60079-0:2018 EN 60079-11:2012
- 10 The equipment shall be marked with the following:



Refer to attached certificate SEV 18 ATEX 0177 X, Issue 1 for specific marking of explosion protection symbols.

Refer to attached certificate SEV 18 ATEX 0177 X, Issue 1 for marked code and ambient temperature range.





CML 22UKEX2307X
Issue 0

11 Description

For product description refer to attached certificate SEV 18 ATEX 0177 X, Issue 1.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	11 Oct 2022	R15366F/00	Issue of the prime certificate. SEV 18 ATEX 0177 X, Issue 1 is attached and shall be referred to in conjunction with this certificate.

Note: Drawings that describe the equipment are listed or referred to in the Annex.

13 Conditions of Manufacture

For conditions of manufacture, refer to attached certificate SEV 18 ATEX 0177 X, Issue 1.

Any routine tests/verifications required by the ATEX certification shall be conducted.

14 Specific Conditions of Use

For specific conditions of use, refer to attached certificate SEV 18 ATEX 0177 X, Issue 1.

Certificate Annex

Certificate Number CML 22UKEX2307X
Equipment Hand light Types refer to general product information
Manufacturer Underwater Kinetics



The following documents describe the equipment defined in this certificate:

Issue 0

For all drawings, refer to attached certificate SEV 18 ATEX 0177 X.