



(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 09 ATEX 0154**

(4) Product: Handlight
Type UK3AA - ELED CPO-***

(5) Manufacturer: Underwater Kinetics

(6) Address: 13400 Danielson Street, Poway, CA 92064, USA

(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 09-IK-0219.01 + .01 E1 to E4

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:12 + A11:13

EN 60079-11:12

EN 60079-28:07

EN 60079-7:07

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.

(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:



II 2G Ex eb ib IIC T6 Gb
II 2D Ex ib IIIC T61 °C Db

Eurofins Electrosuisse Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification

(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 09 ATEX 0154

(15) **Description of product**

The handlight type UK3AA – ELED CPO - *** is a universal lamp suitable for use in potentially explosive atmospheres zones 1 and 21. 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.

Rating:

| Batteries (Alkaline) | Voltage | Ambient temperature | Temperature classification |
|---|---------|---------------------|----------------------------|
| 3 x DURACELL OEM (duralock); LR6 / AA | 4.5 V | -20 °C to +40 °C | T4 |
| 3 x DURACELL PLUS POWER; LR6 / AA | 4.5 V | -20 °C to +40 °C | T4 |
| 3 x DURACELL INDUSTRIAL; LR6 / AA | 4.5 V | -20 °C to +40 °C | T4 |
| 3 x VARTA; LR6 / AA / 4106 | 4.5 V | -20 °C to +40 °C | T4 |
| 3 x VARTA; LR6 / AA / 4906 | 4.5 V | -20 °C to +40 °C | T4 |
| 3 x Energizer Industrial LR6 / AA | 4.5 V | -20 °C to +30 °C | T4 |
| 3 x Energizer Ultimate Lithium L91 LR6 / AA | 4.5 V | -20 °C to +40 °C | T4 |

Classification of installation and use: hand-held

Ingress protection: IP 65

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

Notes:

1. According to Directive 2014/34/EU, Appendix I, the handlight UK3AA – ELED CPO - *** is a device of equipment group II, category 2G, which according to Directive 99/92/EC (ATEX 137) can be used in zones 1 and 2 and gas groups IIA, IIB and IIC, which are potentially explosive due to the presence of flammable materials in the temperature classes T1 to T6.
2. According to Directive 2014/34/EU, Appendix I, the handlight Type UK3AA – ELED CPO - *** is also a device of equipment group II, category 2D, which according to Directive 99/92/EC (ATEX 137) can be used in zones 21 and 22 subject to combustible dusts.
3. The permissible ambient temperature range is -20 °C to +40 °C respective -20 °C to +30 °C as specified in the ratings.
4. The handlight Type UK3AA – ELED CPO - *** must not be opened in potentially explosive atmospheres or in the presence of combustible dusts.
5. Only the batteries and the lamp elements specified in the ratings must be used.
6. Only to be used are batteries of the same electrochemical system, same cell construction and nominal capacity and same manufacturer.

(16) **Report number** 09-IK-0219.01 + .01 E1 to E4

(17) **Specific conditions of use**
None

(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"