electro suisse

(1) EC-Type Examination Certificate

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**

(3)	Examination certificate number:	**SEV 09 ATEX 0154**
(4)	Equipment:	Handlight Type UK3AA - ELED CPO-***
(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) Electrosuisse SEV, notified body No. 1258 in accordance with article 9 of the Council Directive of the European Communities of 23 March 1994 (94/9/EC), certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The results of the examination are recorded in confidential report no. 09-IK-0219.01 incl. extension 1 to 3.

(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

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

(11) This examination certificate relates only to design and construction of the specified equipment in accordance with the directive 94/9/EC. Further requirements of this directive apply to the manufacturing process and the placing on the market of the equipment.

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

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

Electrosuisse
Notified Body ATEX

Martin Plüss
Product Certification

(13) # Appendix

(14) **EC-Type Examination Certificate**

(15) Description of the equipment

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.

Ratings

Batteries (Alkaline)	Voltage (U)	Bezel/LED module
3 x DURACELL PROCEL; LR6 / AA / MN1500	4.5 V (3x1.5 V)	10303
3 x DURACELL PLUS; LR6 / AA / MN1500	4.5 V (3x1.5 V)	10303
3 x Energizer Industial; LR6 / AA / EN91 / AM3	4.5 V (3x1.5 V)	10303

Classification of installation and use: hand-held
Ingress protection: IP 65

Notes

1. According to Directive 94/9/EC (ATEX 95), Appendix I, the handlight type 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 94/9/EC (ATEX 95), 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.

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) Test Report 09-IK-0219.01 incl. extension 1 to 3

(17) Special conditions for safe use

None

(18) Fundamental essential health and safety requirements

Fulfilled by the standards applied.