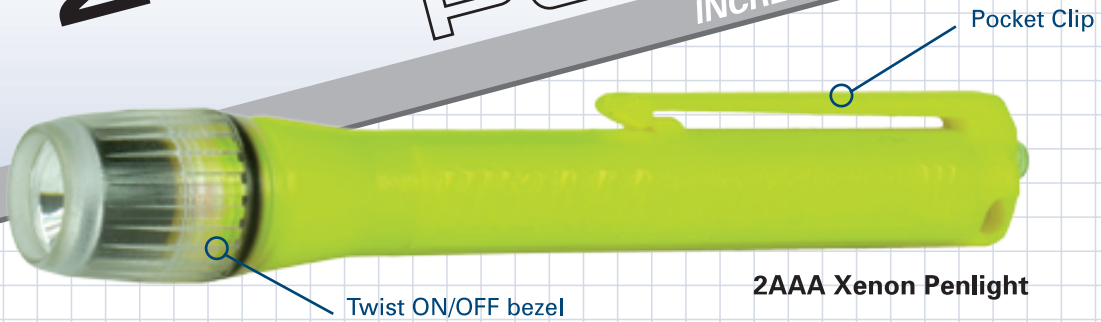


# 2AAA XENON<sup>®</sup> PENLIGHTS

INCREDIBLY BRIGHT AND COMPACT!

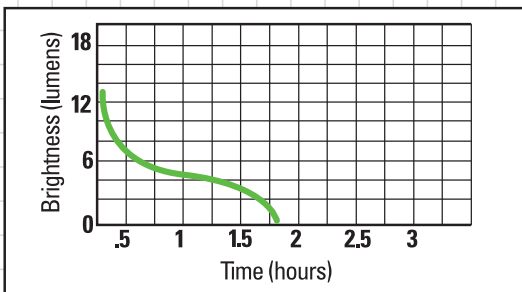


Momentary or continuous rear switch



## SPECIFICATIONS

<b>Size:</b>	122 x 19 x 19 mm
<b>Weight:</b>	43 g
<b>Batteries:</b>	2AAA Alkaline / LR3
<b>Brightness:</b>	12 lumens
<b>Distance:</b>	35 m
<b>Burn Time:</b>	1,5 - 2 hr
<b>Waterproof:</b>	Penlight S: 1 m Penlight: 150 m
<b>ATEX Ratings:</b>	II 2G Ex ib e IIC T5



## FEATURES

- Produces a piercing beam equal to lights many times its size
- Electrically and thermally non conductive
- O-ring sealed against water, mud and dust
- Available in twist bezel or tail switch configurations
- UK 10-Year Warranty
- Made in the USA

## Part Numbers

<b>2AAA Xenon Penlight</b>	
13054	UK2AAA Pen Light, Safety Yellow
13039	UK2AAA Pen Light, Black
<b>2AAA Xenon Penlight S</b>	
13214	UK2AAA Pen Light S, Safety Yellow
13213	UK2AAA Pen Light S, Black



# UK2AAA XENON PEN LIGHT

## INSTRUCTIONS & IMPORTANT INFORMATION



Bezel  
09803



Xenon  
Lamp  
Reflector  
09801



Red LED  
09802



2 AAA  
Alkaline  
Batteries



O-Ring



Case



Glow

Thank you for purchasing the UK2AAA Xenon Pen Light. The lamp is filled with high pressure xenon for improved efficiency and is incredibly bright, compact and ready when you need it.

Since 1971, UK has been designing and manufacturing lights for the harshest environments. Our lights are used by fire fighters and workers in extremely tough industrial situations. They are a standard for scuba divers. With minimal care your UK light will give you years of trouble-free service.

### Battery Insertion

Unscrew the bezel and remove the reflector lamp. Insert 2 alkaline AAA-size batteries as shown to the left. *NOTE: When using the LED lamp module, the batteries must be inserted with the plus + end facing the reflector for the LED module to light.*

Make sure the O-ring and sealing surfaces are clean. Insert the reflector lamp into the case and replace the bezel by twisting it clockwise onto the case.

### On/Off

Screw the bezel down by twisting it clockwise until the lamp comes ON. Turn the light OFF with at least 1 1/2 counter-clockwise turns of the bezel.

### O-Ring Seal

The O-ring and sealing surfaces must be kept clean and lubricated with silicone grease in order to maintain the watertight seal and smooth rotation of the bezel. During cleaning remove the O-ring using only your fingers. Do not use tools which can damage the O-ring and sealing surfaces.


### Lamp Replacement - Xenon or Red LED

The Xenon filled lamp should operate for approximately 20 hours before burning out. The entire lamp/reflector module is then replaced. An optional Red LED lamp module can also be used for improved night vision retention. See you UK dealer for replacement parts.

### Care and Maintenance

- Keep the area around the O-ring seals clean.
- If the light floods with water, empty the contents immediately, rinse with fresh water and dry completely before reassembly.
- To insure that active hydrogen removal catalyst is present in the light, replace the Lamp assembly if it gets wet.
- Do not store batteries in the light for long periods of time. They may leak and damage the light.

### Hazardous Location Ratings

 **UL** **US** **LISTED 82EM** Class I, Division 2 Group A, B, C, D; Class II Division 2 Group G. Use only with 09801 or 09802 lamp and Duracell MN2400 / PC2400, Energizer E92 / EN92 or Rayovac AL-AAA/824 alkaline batteries. Temp Code T3A for 09801. **WARNING: DO NOT OPEN IN HAZARDOUS LOCATIONS**

## ! CAUTION

Batteries which are (1) loaded without observing the proper polarity, (2) are not the same type, brand name and age or (3) are completely discharged can vent hydrogen gas and possibly cause an explosion.

- Load batteries according to the diagram shown below.
- Do not mix batteries of different type, brand name or age.
- Discard all batteries as soon as they are drained or no longer produce light.

## Limited Lifetime Warranty

Underwater Kinetics products are engineered for maximum performance and durability. All products carry a Limited Lifetime Warranty to the original retail purchaser to be free from defective material and workmanship under normal and intended use. In addition, the Underwater Kinetics Limited Warranty covers materials used in its products to the original purchaser, from the date of purchase, as follows: plastics for 10 years; rubber for 3 years, LED and electronics for 1 year, rechargeable batteries for 90 days.

In the event the original retail purchaser detects a defect in the material or workmanship, the product along with proof of purchase date should be returned to an authorized Underwater Kinetics dealer or directly to Underwater Kinetics with the postage prepaid. Underwater Kinetics agrees to repair or replace at Underwater Kinetics' sole discretion any product found to be defective in material or workmanship within the time period specified above. For the complete Limited Lifetime Warranty write to Underwater Kinetics or go to the web site [www.underwaterkinetics.com](http://www.underwaterkinetics.com).

Address all correspondence and returns to:  
Underwater Kinetics  
13400 Danielson Street  
Poway, CA 92064





# CE Declaration of Conformity

In accordance with ISO/IEC Guide 22

UK Document Number: 700086

Supplier: Underwater Kinetics  
Address: 13400 Danielson Street  
Poway, California 92064  
U.S.A.

European Representative: UKE Underwater Kinetics Europe GmbH  
Address: Beethovenstrasse 279  
D-42655 Solingen  
Deutschland

Product(s): UK300  
UK2AAA Pen Light  
UK2AAA Pen Light S  
UK2AAA Pocket Light

The product(s) described above are in conformity with Essential Health and Safety Requirements of the Equipment or Protective Systems Intended for use in Potentially explosive atmospheres directive ATEX - 94/9/EC as ammended 23 March 1994. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2006 - General Requirements  
EN 60079-7 : 2007 - Increased safety "e"  
EN 60079-11 : 2007 - Intrinsic safety "i"  
EN 1127-1 : 2007  
EN 60079-15 : 2005 - Type of protection "n"

EC-Type Examination  
Certificate Number: SNCH 05 ATEX 3806, SNCH 05 ATEX 3807  
SEV Confidential report n°: 05-IK-01 16.02 (incl. Extensions)/.03/.04

Issued: Poway, California U.S.A.

ATEX Representative: E. Fred Fischer



Date: 4 December 2008

# CE-Konformitätserklärung

im Sinne von ISO/IEC Richtlinie 22

UK Dokument Nr.: 700086

Hersteller: Underwater Kinetics  
Adresse: 13400 Danielson Street  
Poway, California 92064  
U.S.A.

Europäische Vertretung: UKE Underwater Kinetics Europe GmbH  
Adresse: Beethovenstrasse 279  
D-42655 Solingen  
Deutschland

Produkte: UK300  
UK2AAA Pen Light  
UK2AAA Pen Light S  
UK2AAA Pocket Light

Die oben genannten Produkte entsprechen aufgrund ihrer Konzipierung und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den grundlegenden Sicherheits- und Gesundheitsanforderungen für Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Räumen laut Richtlinie ATEX – 94/9/EG vom 23. März 1994.

Die grundlegenden Sicherheits- und Gesundheitsanforderungen werden erfüllt durch die Übereinstimmung mit:

EN 60079-0 : 2006 - Allgemeine Anforderungen  
EN 60079-7 : 2007 - Erhöhte Sicherheit "e"  
EN 60079-11 : 2007 - Eigensicherheit "i"  
EN 1127-1 : 2007  
EN 60079-15 : 2005 - EX-Schutzart "n"

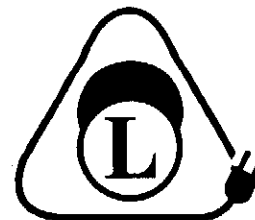
EG-Baumusterprüfbescheinigungsnummer: SNCH 05 ATEX 3806, SNCH 05 ATEX 3807  
Vertraulicher  
SEV-Prüfbericht: 05-IK-0116.02 (incl. Extensions)/.03/.04

Ausgestellt in: Poway, Kalifornien, USA

ATEX-Beauftragter: E. Fred Fischer



Datum: 4. Dezember 2008



Société Nationale de  
Certification et d'Homologation s.à r.l.

**EC-TYPE EXAMINATION CERTIFICATE**

Equipment or Protective System Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC

EC-Type Examination Certificate Number: **SNCH 05 ATEX 3806**

Equipment or Protective System: **High power pocket lamps  
UK300 / UK2AAA Pen Light / UK2AAA Pocket Light  
UK2AAA Pen Light S (switched)**

Manufacturer: **Underwater Kinetics  
13400 Danielson Street  
Poway, CA 92064, USA**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.*, notified body no. 0499, 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 or 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° 05-**IK-0116.03**.


Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2004 - General requirements**  
**EN 60079-7 : 2003 - Enhanced safety "e"**  
**EN 50020 : 2002 - Intrinsic safety "i"**  
**EN 1127-1 : 1997**

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.

This EC Type examination certificate relates only to the design, examination and tests 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.

The marking of the equipment or protective system shall include the following:

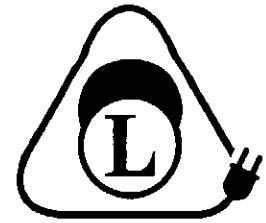
 **II 2G Ex ib e IIB T5 (UK300)**  
**II 2G Ex ib e IIC T5 (UK2AAA...)**

Page 1/2

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

Luxembourg, 2006-08-31

p. d.  

# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### EC-TYPE EXAMINATION CERTIFICATE

N° *SNCH 05 ATEX 3806*

Description of Equipment or Protective system:

High power pocket lamps

Type	Nominal power [W]	Temperature class
UK300 with turn bezel switch	3.0	T5
UK2AAA Pen Light with turn bezel switch	1.0	T5
UK2AAA Pen Light S (switched) with pressure switch	1.0	T5
UK2AAA Pocket Light with turn bezel switch	1.0	T5

Report:

*N° 05-IK-0116.03*

Special conditions for safe use:

*none*

Essential health and safety requirements:

*covered by standards*

Page 2/2

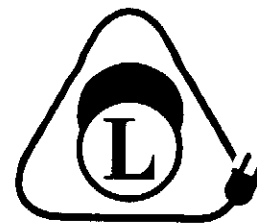
*This certificate may only be reproduced in its entirety and without any change, schedule included.*

Luxembourg, 2006-08-31

p. a.

Claude LIESCH  
Conseiller de direction





Société Nationale de

## Certification et d'Homologation s.à r.l.



## EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC

EC-Type Examination Certificate Number: SNCH 05 ATEX 3806

Equipment or Protective System: High power pocket lamps  
UK300 / UK2AAA Pen Light / UK2AAA Pocket LightManufacturer: Underwater Kinetics  
13400 Danielson Street  
Poway, CA 92064, USA

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

Société Nationale de Certification et d'Homologation s.à r.l., notified body no. 0499, 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 or 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° 05-IK-0116.01 with Extension n° 1.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014 : 1997+A1+A2 - General requirements

EN 50019 : 2000 - Enhanced safety "e"

EN 50020 : 2002 - Intrinsic safety "i"

EN 1127-1 : 1997

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.

This EC Type examination certificate relates only to the design, examination and tests 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.

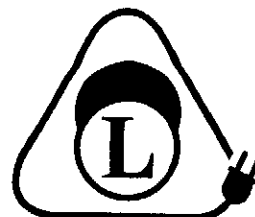
The marking of the equipment or protective system shall include the following:

II 2G EEx ib e IIB T5 (UK300)  
 II 2G EEx ib e IIC T5 (UK2AAA Pen Light & Pocket Light)

Page 1/2

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

Luxembourg, 2006-03-28



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### EC-TYPE EXAMINATION CERTIFICATE

N° SNCH 05 ATEX 3806

Description of Equipment or Protective system:

High power pocket lamps

Type	Nominal power [W]	Temperature class
UK300 with turn bezel switch	3.0	T5
UK2AAA Pen Light with turn bezel switch	1.0	T5
UK2AAA Pen Light S with pressure switch	1.0	T5
UK2AAA Pocket Light with turn bezel switch	1.0	T5

Report:

N° 05-IK-0116.01 with Extension n° 1

Special conditions for safe use:

none

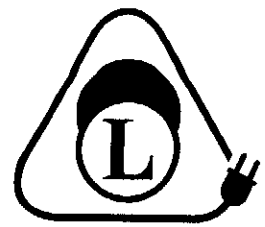
Essential health and safety requirements:

covered by standards

Page 2/2

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Luxembourg, 2006-03-28



**Société Nationale de  
Certification et d'Homologation** s.à r.l.



**EC-TYPE EXAMINATION CERTIFICATE**

**Equipment or Protective System Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC**

EC-Type Examination Certificate Number: **SNCH 05 ATEX 3806**

Equipment or Protective System: **High power pocket lamps  
UK300 / UK2AAA Pen Light / UK2AAA Pocket Light**

Manufacturer: **Underwater Kinetics  
13400 Danielson Street  
Poway, CA 92064, USA**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.*, notified body no. 0499, 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 or 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° **05-IK-0116.01**.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014 : 1997+A1+A2 - General requirements**  
**EN 50019 : 2000 - Enhanced safety "e"**  
**EN 50020 : 2002 - Intrinsic safety "i"**  
**EN 1127-1 : 1997**

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.

This EC Type examination certificate relates only to the design, examination and tests 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.

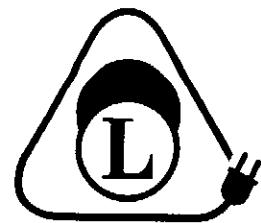
The marking of the equipment or protective system shall include the following:

 **II 2G EEx ib e IIB T5 (UK300)**  
**II 2G EEx ib e IIC T5 (UK2AAA Pen Light & Pocket Light)**

Page 1/2

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Luxembourg, 2006-02-23



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### EC-TYPE EXAMINATION CERTIFICATE

N° *SNCH 05 ATEX 3806*

Description of Equipment or Protective system:

High power pocket lamps

Type	Nominal power [W]	Temperature class
UK300 with turn bezel switch	3.0	T5
UK2AAA Pen Light with turn bezel switch	1.0	T5
UK2AAA Pocket Light with turn bezel switch	1.0	T5

Report: *N° 05-IK-0116.01*

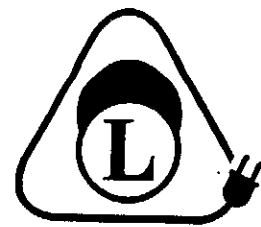
Special conditions for safe use: *none*

Essential health and safety requirements: *covered by standards*

Page 2/2

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Luxembourg, 2006-02-23



**Société Nationale de**  
**Certification et d'Homologation** s.à r.l.

**TYPE EXAMINATION CERTIFICATE**

Equipment Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC

Type Examination Certificate Number: **SNCH 05 ATEX 3807**  
Equipment: **High power pocket lamps  
UK300 / UK2AAA Pen Light / UK2AAA Pocket Light**  
Manufacturer: **Underwater Kinetics**  
Address: **13400 Danielson Street  
Poway, CA 92064, USA**

This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.* certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report n° 05-IK-0116.02 (incl. Extensions)/03/04.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assured by compliance to:

**EN 60079-0 : 2006 - General requirements**  
**EN 60079-15 : 2005 - Type of protection "n"**

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC.

Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

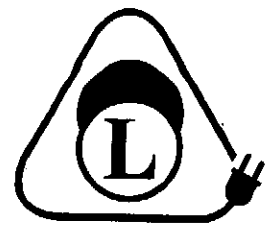
The marking of the equipment shall include the following:

II 3G Ex nA II T5

Page 1/2

*This certificate and its schedules may only be reproduced in its entirety and without any change.*

Luxembourg, 2007-03-26



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### TYPE EXAMINATION CERTIFICATE

N° SNCH 05 ATEX 3807

Description of Equipment:

High power pocket lamps

Type	Nominal power [W]	Temperature class
UK300 with turn bezel switch	3.0	T5
UK2AAA Pen Light with turn bezel switch	1.0	T5
UK2AAA Pen Light S with pressure switch	1.0	T5
UK2AAA Pocket Light with turn bezel switch	1.0	T5

Report: N° 05-IK-0116.02 (incl. Extensions)/.03/.04

Special conditions for safe use: none

Essential health and safety requirements: covered by standards

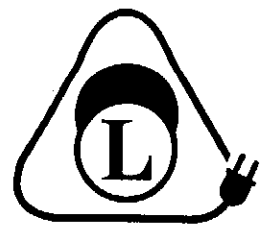
Page 2/2

*This certificate and its schedules may only be reproduced in its entirety and without any change.*

Luxembourg, 2007-03-26



GRAND-DUCHE DE LUXEMBOURG



# Société Nationale de Certification et d'Homologation s.à r.l.



## TYPE EXAMINATION CERTIFICATE

Equipment Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC

Type Examination Certificate Number: **SNCH 05 ATEX 3807**  
Equipment: **High power pocket lamps  
UK300 / UK2AAA Pen Light / UK2AAA Pocket Light**  
Manufacturer: **Underwater Kinetics**  
Address: **13400 Danielson Street  
Poway, CA 92064, USA**

This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.* certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report n° **05-IK-0116.02**.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assured by compliance to:

**EN 60079-15 : 2003 - Type of protection "n"**  
**EN 1127-1 : 1997**

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC.

Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

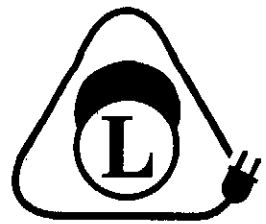
The marking of the equipment shall include the following:

II 3G EEx nA II T5

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Luxembourg, 2006-02-23



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### TYPE EXAMINATION CERTIFICATE

N° *SNCH 03 ATEX 3578*

Description of Equipment:

High power pocket lamps

Type	Nominal power [W]	Temperature class
UK300 with turn bezel switch	3.0	T5
UK2AAA Pen Light with turn bezel switch	1.0	T5
UK2AAA Pocket Light with turn bezel switch	1.0	T5

Report: *N° 05-IK-0116.02*

Special conditions for safe use: *none*

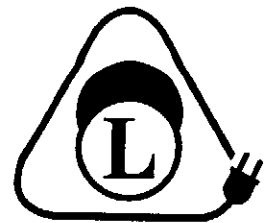
Essential health and safety requirements: *covered by standards*

Page 2/2

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Luxembourg, 2006-02-23





Société Nationale de  
Certification et d'Homologation s.à r.l.



## TYPE EXAMINATION CERTIFICATE

Equipment Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC

Type Examination Certificate Number: **SNCH 05 ATEX 3807**  
Equipment: **High power pocket lamps  
UK300 / UK2AAA Pen Light / UK2AAA Pocket Light**  
Manufacturer: **Underwater Kinetics**  
Address: **13400 Danielson Street  
Poway, CA 92064, USA**

This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.* certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report n° 05-IK-0116.02 with Extension n° 1.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assured by compliance to:

**EN 60079-15 : 2003 - Type of protection "n"  
EN 1127-1 : 1997**

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC.

Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

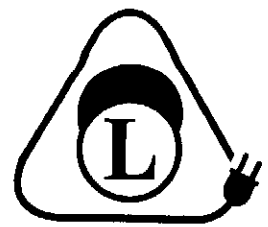
The marking of the equipment shall include the following:

II 3G EEx nA II T5

Page 1/2

*This certificate and its schedules may only be reproduced in its entirety and without any change.*

Luxembourg, 2006-03-28



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### TYPE EXAMINATION CERTIFICATE

N° SNCH 05 ATEX 3807

Description of Equipment:

High power pocket lamps

Type	Nominal power [W]	Temperature class
UK300 with turn bezel switch	3.0	T5
UK2AAA Pen Light with turn bezel switch	1.0	T5
UK2AAA Pen Light S with pressure switch	1.0	T5
UK2AAA Pocket Light with turn bezel switch	1.0	T5

Report:

N° 05-IK-0116.02 with Extension n° 1

Special conditions for safe use:

none

Essential health and safety requirements:

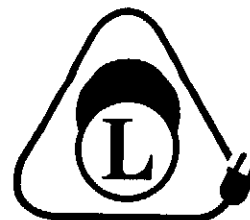
covered by standards

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Luxembourg, 2006-03-28

*p. d.*



**Société Nationale de  
Certification et d'Homologation s.à r.l.**



**TYPE EXAMINATION CERTIFICATE**

**Equipment Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC**

Type Examination Certificate Number: **SNCH 01 ATEX 3297**

Equipment: **Universal pocket and helmet lamp UK4AA-ESx/ENx**

Manufacturer: **Underwater Kinetics**  
Address: **13400 Danielson Street  
Poway, CA 92064, USA**

This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.* certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report n° 01-IK-0336.04/05/06.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assured by compliance to:

**EN 60079-0 : 2006 - General requirements  
EN 60079-15 : 2005 - Type of protection "n"**

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

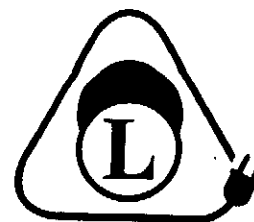
The marking of the equipment shall include the following:

II 3G Ex nA II T5

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Luxembourg, 2007-03-26



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### TYPE EXAMINATION CERTIFICATE

N° SNCH 01 ATEX 3297

Description of Equipment:

Universal pocket and helmet lamps

Type	Rated power [W]	Temperature [°C]
UK4AA-ES1 (with pressure switch)	2.0	T5
UK4AA-EN1 (with turn bezel switch)	2.0	T5
UK4AA-ES2 (with pressure switch)	2.0	T5
UK4AA-EN2 (with turn bezel switch)	2.0	T5

Report: N° 01-IK-0336.05

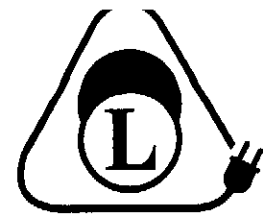
Special conditions for safe use: none

Essential health and safety requirements: covered by standards

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Luxembourg, 2007-03-26



**Société Nationale de  
Certification et d'Homologation s.à r.l.**



**EC-TYPE EXAMINATION CERTIFICATE**

**Equipment or Protective System Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC**

EC-Type Examination Certificate Number: **SNCH 01 ATEX 3296**  
Equipment or Protective System: **Universal pocket and helmet lamp UK4AA-ESx/ENx**  
Manufacturer: **Underwater Kinetics  
13400 Danielson Street  
Poway, CA 92064, USA**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.*, notified body no. 0499, 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 or 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° 01-IK-0336.04.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2004 - General requirements**  
**EN 60079-7 : 2003 - Increased safety "e"**  
**EN 50020 : 2002 - Intrinsic safety "i"**  
**EN 1127-1 : 1997**

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.

This EC Type examination certificate relates only to the design, examination and tests 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.

The marking of the equipment or protective system shall include the following:

II 2G Ex ib e IIB T4

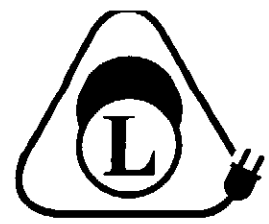
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Luxembourg, 2006-08-31

P. d.

**Claude LIESCH**  
Conseiller de direction



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### EC-TYPE EXAMINATION CERTIFICATE

N° SNCH 01 ATEX 3296

Description of Equipment or Protective system:

**Universal pocket and helmet lamps**

Type	Rated power [W]	Temperature class
UK4AA-ES1 (with pressure switch)	2.0	T4
UK4AA-EN1 (with turn bezel switch)	2.0	T4
UK4AA-ES2 (with pressure switch)	2.0	T4
UK4AA-EN2 (with turn bezel switch)	2.0	T4

Report: N° 01-IK-0336.04

Special conditions for safe use: none

Essential health and safety requirements: covered by standards

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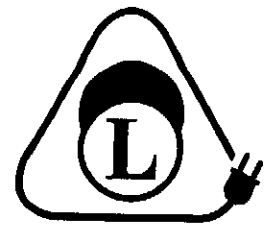
Luxembourg, 2006-08-31

P. d.

Claude LIESCH  
Conseiller de direction



GRAND-DUCHE DE LUXEMBOURG



**Société Nationale de  
Certification et d'Homologation s.à r.l.**



**TYPE EXAMINATION CERTIFICATE**

**Equipment Intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC**

Type Examination Certificate Number: **SNCH 01 ATEX 3297**  
Equipment: **Universal pocket and helmet lamp UK4AA-ESx/ENx**  
Manufacturer: **Underwater Kinetics**  
Address: **13400 Danielson Street  
Poway, CA 92064, USA**

This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

*Société Nationale de Certification et d'Homologation s.à r.l.* certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report n° 01-IK-0336.05.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assured by compliance to:

**EN 60079-15 : 2003 - Type of protection "n"**

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

The marking of the equipment shall include the following:

II 3G EEx nA II T5

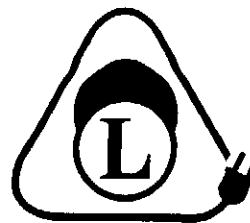
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Luxembourg, 2006-08-31

p. d.

Claude LIESCH  
Conseiller de direction



# Société Nationale de Certification et d'Homologation s.à r.l.

## Schedule

### TYPE EXAMINATION CERTIFICATE

N° *SNCH 01 ATEX 3297*

Description of Equipment:

**Universal pocket and helmet lamps**

Type	Rated power [W]	Temperature class
UK4AA-ES1 (with pressure switch)	2.0	T5
UK4AA-EN1 (with turn bezel switch)	2.0	T5
UK4AA-ES2 (with pressure switch)	2.0	T5
UK4AA-EN2 (with turn bezel switch)	2.0	T5

Report: *N° 01-IK-0336.05*

Special conditions for safe use: *none*

Essential health and safety requirements: *covered by standards*

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Luxembourg, 2006-08-31

p. d.

Claude LIESCH  
Conseiller de direction





## (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 05 ATEX 0130**
- (4) Equipment: High intensity work lights type UK4AA eLED ZOOM with lamp module number 14'849
- (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) Electrosuisse SEV as 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. 05-IK-0147.01
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:  
**EN 1127-1:1997                      EN 60079-0:2004                      EN 50020:2002**
- (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 examination certificate relates only to design and construction of the specified equipment in accordance to 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 Ib IIB T5

**Electrosuisse SEV**  
Certification Body ATEX

Jürg Rellstab  
Manager Product Certification

Fehraltorf, 2007-01-03  
Replaces certificate dated  
2006-10-20  
(correction)

(13)

## Appendix

(14)

EC-Type Examination Certificate SEV 05 ATEX 0130

(15)

### Description of the equipment

1. According to RL 94/9/EC (ATEX 95) Appendix I, the explosion-protected, high-intensity work lights "UK Lights", type UK4AA eLED ZOOM, with the type of protection intrinsic safety "ib", are devices of equipment group II, category 2G.
2. According to RL 99/92/EC (ATEX 137), the explosion-protected, high-intensity work lights can be used in zones 1 and/or 2 as well as in the gas group IIB, which are potentially explosive due to combustible materials in the temperature classes T1 ... T5.
3. The explosion-protected, high-intensity work lights, type UK4AA eLED ZOOM are helmet lamps that can be mounted on all protective helmets with a clip. Projection Optics enable the beam width to be varied by twisting the bezel.

(16)

### Test Report

05-IK-0147.01

1. The explosion-protected, high-intensity work lights must not be opened in potentially explosive atmospheres containing ignitable gases, vapours or mists.
2. Before using the explosion-protected, high-intensity work lights, the warning information on the type plate must be observed.
3. Before using the device, the operating instructions of the **UK4AA eLED ZOOM** must be observed.
4. The maximum permissible ambient temperature range for the explosion-protected, high-intensity work lights is  $-20^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .
5. The explosion-protected, high-intensity work lights may only be operated with standard alkaline batteries as specified in the aforementioned ratings.
6. The explosion-protected, high-intensity work lights must only be used with the lamp module number 14'849.
7. The explosion-protected, high-intensity work lights can be switched on and off with the integrated pushbutton switch.
8. The explosion-protected, high-intensity work lights must be protected from long exposure to direct sunlight.
9. The explosion-protected, high-intensity work lights may be placed vertical on the bezel only when switched off (heat accumulation in lamp module or bezel). The heat accumulation can exceed the permissible temperature class.
10. The batteries used for the explosion-protected, high-intensity work lights must be replaced together as a set, i.e. all batteries as a whole and of the same make.
11. Attention must be paid to the correct polarity when inserting the batteries. Before inserting the batteries, the information in the operating instructions of the UK4AA eLED ZOOM must be observed.
12. After inserting the new batteries in the explosion-protected, high-intensity work lights, these must be allowed to burn for minimum one minute outside the hazardous location.

13. If the explosion-protected, high-intensity work lights are not used for extended periods, the batteries should be removed.
14. Before using the explosion-protected, high-intensity work lights, these should be checked for tightness by twisting the bezel outside the hazardous location. The tightness of the O-ring can be checked by twisting the screwed bezel. If necessary the O-ring must be replaced with an original O-ring by the lamp manufacturer UK. The manufacturer's instructions in the operating instructions for replacement of the ring must be strictly adhered to.
15. Apart from the prescribed batteries, only original parts must be used by the manufacturer UK (Underwater Kinetics).

**Remarks:**

1. The explosion-protected, high-intensity work lights, type UK4AA eLED ZOOM can be used with an optional angle head and/or pocket clip under ref. 01-IK-0336.02 with extension number 1.
  2. The explosion-protected, high-intensity work lights, type UK4AA eLED ZOOM can also be manufactured with a "persistent" lamp housing under ref. 01-IK-0336.02 with report.
  3. The explosion-protected, high-intensity work lights, type UK4AA eLED ZOOM can additionally be marked with laser (laser inscription) under ref. 01-IK-0336.02 with letter of confirmation.
- (17) Special conditions for safe use  
none
- (18) Fundamental essential health and safety requirements  
Fulfilled by the standards applied

**Electrosuisse SEV**  
Certification Body ATEX



Jürg Rellstab  
Manager Product Certification

Fehraltorf, 2007-01-03  
Replaces certificate dated  
2006-10-20  
(correction)