

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...)

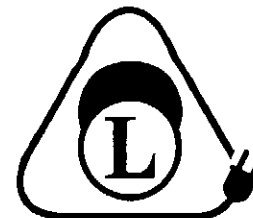
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Luxembourg, 2006-08-31

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 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

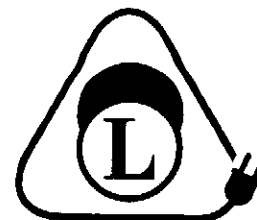
Essential health and safety requirements:

covered by standards

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Luxembourg, 2006-08-31



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 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.

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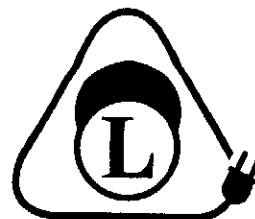
The marking of the equipment or protective system shall include the following:

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

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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

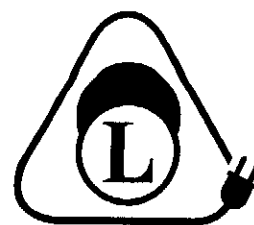
Essential health and safety requirements:

covered by standards

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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.

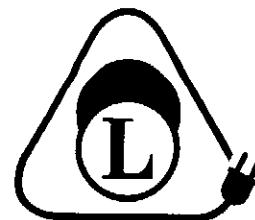
The marking of the equipment or protective system shall include the following:

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

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

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

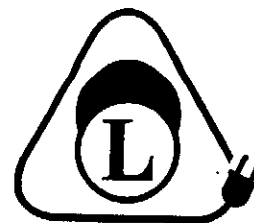
Essential health and safety requirements:

covered by standards

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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:

Ex 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 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

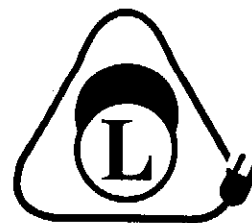
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Luxembourg, 2007-03-26



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**

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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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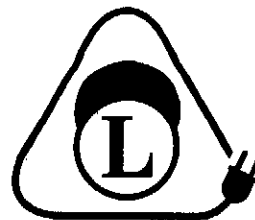
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Luxembourg, 2006-02-23

Claude LIESCH
Conseiller de direction



GRAND-DUCHE DE LUXEMBOURG



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

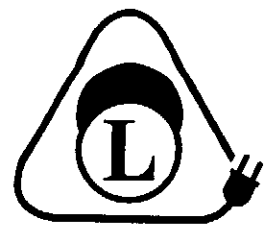
Essential health and safety requirements:

covered by standards

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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.

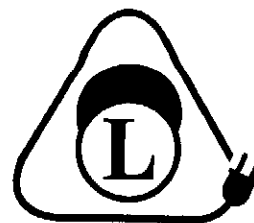
The marking of the equipment shall include the following:

II 3G EEx nA II T5

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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

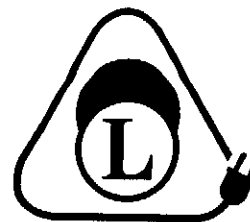
Essential health and safety requirements:

covered by standards

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Luxembourg, 2006-03-28



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



GRAND-DUCHE DE LUXEMBOURG



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

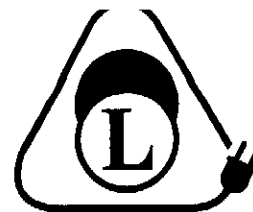
Essential health and safety requirements:

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

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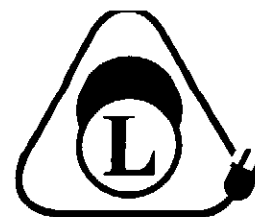
The marking of the equipment or protective system shall include the following:

II 2G Ex ib e IIB T4

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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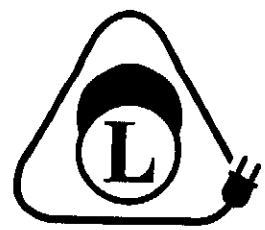
Luxembourg, 2006-08-31

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.
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The marking of the equipment shall include the following:

II 3G EEx nA II T5

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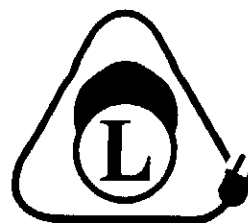
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Luxembourg, 2006-08-31

p. d.



GRAND-DUCHE DE LUXEMBOURG



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°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
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