



## EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC

EC-Type Examination Certificate Number : **BAS00ATEX2176**

Equipment or Protective System: **WOLFLITE HANDLAMP H-251A**

Manufacturer: **WOLF SAFETY LAMP CO LTD**

Address: **Saxon Road Works, Sheffield, S8 0YA**

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

The Electrical Equipment Certification Service, notified body number 600 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 and 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°

**00(C)0645 dated 8 November 2000**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014: 1997 + Amds 1 & 2 EN 50019: 2000 EN 50020: 1994 + Amd 1 EN 50281-1-1: 1998**  
except in respect of those requirements listed at item 18 of the Schedule.

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 and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

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

**II 2 GD EEx eib IIC T4 IP66 T135°C**

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

File No: **EECS 1112/03/017**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service  
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**I M CLEARE**  
**DIRECTOR**  
**2 January 2001**





13 **Schedule**

14 **EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2176**

15 **Description of Equipment or Protective System**

**The Wolflite Handlamp H-251A** is a portable light with a moulded anti-static plastic case and lens ring, and a toughened glass lens. The lens is sealed to the lens ring and the lens ring is sealed to the case by nitrile, neoprene or EPDM O-rings/seals. The lens ring screws onto the body and as an option may be locked in place by a socket head lock screw. The lock screw prevents switch slider mechanism operation until the lens ring is locked in place.

The impact resistant enclosure provides an ingress protection rating of IP66.

The switch slider mechanism contains a magnet which operates an internal hermetically sealed reed switch.

Power is provided by means of a rechargeable battery pack containing two sealed lead acid cells and an active current limiting device. Two metal studs passing through the wall of the enclosure allow the torch to be placed on charging apparatus with connections aligning with the two studs. The studs align internally with the battery pack connections. The studs are sealed to the wall of enclosure and maintain the ingress protection provided by it..

A 3.6 volt (minimum) 1.0 amp (maximum) bulb is used. Alternatively a 3.75 volt (minimum) 0.75 amp (maximum) halogen bulb type HPR may be used.

17 **Special Conditions For Safe Use**

None

18 **Essential Health and Safety Requirements**

All requirements are covered by compliance with EN 50014: 1997 + Amds 1 & 2, EN 50019: 2000, EN 50020: 1994 + Amd 1 and EN 50281-1-1: 1998.

19 **DRAWINGS**

Number	Sheet	Issue	Date	Description
EW-710	1 of 1	1	31/10/00	General Assembly
EW-810	1 of 1	1	31/10/00	Battery Pack
EW-910	1 of 1	1	31/10/00	Circuit Details

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**BASEEFA** List Keywords  
2HANDLUM





1 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC-Type Examination Certificate Number: **BAS00ATEX2176/1**

4 Equipment or Protective System: **WOLFLITE HANDLAMP H-251A**

5 Manufacturer: **WOLF SAFETY LAMP CO LTD**

6 Address: **Sheffield, S8 0YA**

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS00ATEX2176 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This Supplementary Certificate shall be held with the original Certificate.

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

File No: EECS 1112/03/017

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27 September 2002





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**Schedule**

14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2176/1**

**Description of the Variation to the Equipment or Protective System**

**VARIATION 1.1**

To permit:-

- an alternative p.c.b. with some components changed to surface mount.
- alternative battery connection to the above p.c.b. by hard wired contacts.

**Report No.**

None.

**Special Conditions For Safe Use**

None.

**Essential Health and Safety Requirements**

See original certificate.

**DRAWINGS**

Number	Sheet	Issue	Date	Description
EW-810	1	2	17/9/02	Battery pack H-251A
EW-910	1	2	17/9/02	Circuit details H-251A

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