

1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **BAS00ATEX2176 – Issue 7**

4 Equipment or Protective System: **Wolflite Handlamp H-251-A**

5 Manufacturer: **Wolf Safety Lamp Co Ltd**

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

7 This re-issued 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.

8 The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa, Notified Body Number 1180, is responsible only for the additional work relating to this re-issued certificate and any other supplementary certificate it has issued.

The examination and test results are recorded in confidential Report No's. (none)

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


EN 60079-0:2006 EN 60079-7:2007 EN 60079-11:2007 EN61241-0:2006 EN61241-1:2004

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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. 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.

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

 II 2GD Ex e ib IIC T4 Ex tD A21 IP66 T135°C

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

Baseefa Customer Reference No. 1112

Project File No. 09/0254

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.


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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number BAS00ATEX2176 – Issue 7

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 screw lock. The lock screw prevents switch slider mechanism operation until the lens ring has locked in place.

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

The slider switch 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 the charging apparatus with the connections aligning with the two studs. The studs align internally with the battery pack connections. The studs are sealed to the wall of the 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 or a Wolf LED based bulb replacement assembly may be used.

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Report Number

None.

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Special Conditions for Safe Use

None.

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Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

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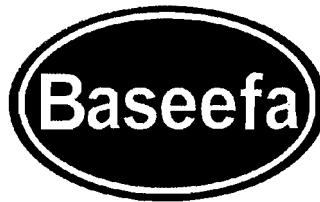
Drawings and Documents

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
EW-710	1	3	25/06/09	Wolflite H-251A ATEX – General Assembly
EW-812	1	4	13/07/09	Handlamp – LED Centre Contact
EW-910	1	8	16/07/09	Wolflite H-251A ATEX – Circuit Details

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
EW810	1	2	17/9/02	Battery Pack H-251A



20 Certificate History

Certificate No.	Date	Comments
BAS00ATEX2176X	8 November 2000	The release of the prime certificate. The associated test and assessment is documented in Test Reports 02(C)0645.
BAS00ATEX2176X/1	27 September 2002	To permit:- i. An alternative PCB with some components changed to surface mount. ii. Alternative battery connections to the PCB by hard wired contacts.
BAS00ATEX2176X/2	29 October 2003	To permit minor changes to the PCB.
BAS00ATEX2176X/3	11 October 2006	To permit minor changes to the PCB layout.
BAS00ATEX2176X/4	2 August 2007	To permit minor changes to the PCB layout.
BAS00ATEX2176X/5	8 May 2008	To permit the use of an LED based bulb replacement assembly.
BAS00ATEX2176X/6	5 September 2008	To permit minor mechanical changes to the LED based bulb assembly.
BAS00ATEX2176 Issue 7	27 July 2009	This issue incorporates previously issued primary and supplementary certificates into one certificate, permits minor mechanical changes and confirms that the current design meets the requirements of EN 60079-0:2006, EN 60079-7:2007, EN 60079-11:2007, EN 61241-0:2006 and EN 61241-1:2004.
For drawings applicable to each issue, see original of that issue.		