



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	IECEx BAS 09.0153X	Issue No: 4	Certificate history:
Status:	Current	Page 1 of 4	Issue No. 4 (2015-06-15)
Date of Issue:	2015-06-15		Issue No. 3 (2011-04-28)
			Issue No. 2 (2010-07-29)
			Issue No. 1 (2010-03-12)
			Issue No. 0 (2010-01-28)
Applicant:	<b>Wolf Safety Lamp Company Limited</b> Saxon Road Works Sheffield S8 0YA United Kingdom		
Electrical Apparatus:	<b>Wolflite XT-**</b>		
Optional accessory:			
Type of Protection:	<b>Intrinsic Safety</b>		
Marking:	<b>Wolflite XT-** (2nd star &lt; 5): Ex ib T4 IIC Gb Ex ib IIIB T185°C Db (-30°C ≤ Tamb ≤ +40°C)</b> <b>Wolflite XT-** (2nd star &lt; 5) Group I variants may also be marked: Ex ib I Mb</b> <b>Wolflite XT-** (2nd star ≥ 5): Ex ia T4 IIC Ga Ex ia IIIB T185°C Da (-30°C ≤ Tamb ≤ +40°C)</b> <b>Wolflite XT-** (2nd star ≥ 5) Group I variants may also be marked: Ex ia I Ma</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:  
(for printed version)

Date:

  
16 JUNE 2015.

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**SGS Baseefa Limited**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton**  
**Derbyshire**  
**SK17 9RZ**  
**United Kingdom**





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Manufacturer: **Wolf Safety Lamp Company Limited**  
Saxon Road Works  
Sheffield  
S8 0YA  
United Kingdom

Additional Manufacturing  
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-11 : 2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

### Test Report:

GB/BAS/ExTR08.0117/00  
GB/BAS/ExTR10.0078/00

GB/BAS/ExTR08.0118/00  
GB/BAS/ExTR10.0203/00

GB/BAS/ExTR10.0039/00  
GB/BAS/ExTR13.0193/00

### Quality Assessment Report:

GB/BAS/QAR06.0017/06



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Wolfite XT-\*\* is a handlamp designed for use in Zone 1, Zone 0, Zone 21 or Zone 20 hazardous areas. Some models are also suitable for Group I use.

It comprises a Nylon based static dissipative body with a rubber 2<sup>nd</sup> shot that provides visual detail and protection against mechanical shocks. The front lens is constructed from either anti-static coated 4mm polycarbonate, or from 4mm glass. A switch underneath the handle contains a magnet that operates a reed switch mounted inside the handlamp body. A custom Lithium Ion based battery pack provides power for the electronic control circuit and up to four LEDs.

The Wolfite XT-\*\* is designed to be charged in a safe area using the approved charger that has a maximum output voltage not exceeding 14V.

The 1<sup>st</sup> star is a number that denotes different sub models and does not affect the marking of the equipment. The 2<sup>nd</sup> star denotes versions with different codes:

Wolfite XT-\*\* (2nd star < 5): Ex ib T4 IIC Gb Ex ib IIIB T185°C Db (-30°C ≤ Tamb ≤ +40°C)

Wolfite XT-\*\* (2nd star < 5) Group I variants may also be marked: Ex ib I Mb

Wolfite XT-\*\* (2nd star ≥ 5): Ex ia T4 IIC Ga Ex ia IIIB T185°C Da (-30°C ≤ Tamb ≤ +40°C)

Wolfite XT-\*\* (2nd star ≥ 5) Group I variants may also be marked: Ex ia I Ma

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. Dust layers must be prevented from building up on the equipment.
2. The equipment must not be left energised and unattended in Zone 20 areas.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Variation 4.1

To permit minor mechanical and electrical changes, the addition protection against IIIB dusts including the addition of X conditions relating to the avoidance of build-up of dust layers, a reduction in the lower certification temperature from -20°C to -30°C, and to confirm the current design meets the requirements of IEC 60079 0 :2011 and IEC 60079-11 :2011

ExTR: **GB/BAS/ExTR13.0193/00**

File Reference: **13/0158**