



# 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 06.0001 issue No.: 4

Status: **Current**

Date of Issue: **2009-11-27** Page 1 of 4

Certificate history:  
Issue No. 4 (2009-11-27)  
Issue No. 3 (2007-12-10)  
Issue No. 2 (2007-9-19)  
Issue No. 1 (2007-1-24)

Applicant: **Wolf Safety Lamp Company Ltd**  
Saxon Road Works  
Sheffield  
S8 0YA  
United Kingdom

Electrical Apparatus: **Wolf Rechargeable Torch R-5X**  
*Optional accessory:*

Type of Protection: **Intrinsic Safety, DIP**

Marking: **IECEX BAS 06.0001**  
**Ex ib I/II C T4 tD A21 IP67 T85°C**  
**Ex ia I/II C T4 IP67**

Approved for issue on behalf of the IECEx  
Certification Body:


R S Sinclair

PP DBREARLEY

Position:

Managing Director

Signature:  
(for printed version)

  
\_\_\_\_\_

Date:

27/11/09

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:

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





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

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:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR06.0024/00  
GB/BAS/ExTR07.0107/00  
GB/BAS/ExTR09.0196/00

##### Quality Assessment Report:

GB/BAS/QAR06.0017/00



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## Schedule

### EQUIPMENT:

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

The Wolf Rechargeable Torch R-5X uses a single LED and rechargeable battery with an electronic control circuit housed in a right-angled anti-static thermoplastic body. The rubber armoured lens ring and end cap retain either a coated polycarbonate or toughened glass lens.

The enclosure is sealed dust tight and provides an ingress protection level of IP67. The right-angle body arrangement incorporates a replaceable thermoplastic belt clip for hands-free use.

The Rechargeable Torch R-5X must be charged in a non-hazardous area with a charger having an output voltage not exceeding 14V:  $U_o = 14V$

There are two versions which are coded:

R-5X (X<5) : Ex ib I/IIC T4 tD A21 IP67 T85°C

R-5X (X≥5) : Ex ia I/IIC T4 IP67

The model number may be followed by a further suffix for operational purposes.

**CONDITIONS OF CERTIFICATION: NO**



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

### Variation 4.1

To permit mechanical changes.

### Variation 4.2

To confirm that the current design of the Wolf Rechargeable Torch R-5X meets the requirements of IEC 60079-0:2004 edition 4 and IEC 60079-11:2006 edition 5.

ExTR: GB/BAS/ExTR09.0196/00

File Reference: 08/0977