


EU - TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- 1 EU - Type Examination Certificate Number: **Baseefa05ATEX0069 – Issue 9**
- 2 Product: **Wolf Rechargeable Torch R-5X**
- 3 Manufacturer: **Wolf Safety Lamp Company Limited**
- 4 Address: **Saxon Road Works, Sheffield, S8 0YA United Kingdom**
- 5 This re-issued certificate extends EU Type Examination Certificate No. Baseefa05ATEX0069 to apply to product 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.
- 6 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 7.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.
- The examination and test results are recorded in confidential Report No. **See Certificate History**
- 8 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012
except in respect of those requirements listed at item 18 of the Schedule.
- 9 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- 10 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- 11 The marking of the product shall include the following:
 **see schedule**

SGS Fimko Oy Customer Reference No. **1112**

Project File No. **22/0380**

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Schedule

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Certificate Number Baseefa05ATEX0069 – Issue 9

15 Description of Product

The Wolf Rechargeable Torch R-5X uses a single LED and a 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-angled 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: $U_o = 14V$

The Wolf Rechargeable Torch R-5X is outside the scope of EN 60079-28:2015 as clarified by IEC-60079-28:2015/ISH1:2019.

The R-5X has the following codes:


R-5X (where $X < 5$)

 I M2 / II 2GD

Ex ib I Mb / IIC T4 Gb ($-20^{\circ}C/-30^{\circ}C/-40^{\circ}C \leq T_a \leq +40^{\circ}C$)

Ex ib IIIB T200°C Db

R-5X (where $X \geq 5$)

 I M1 / II 1G2D

Ex ia I Ma / IIC T4 Ga ($-20^{\circ}C/-30^{\circ}C/-40^{\circ}C \leq T_a \leq +40^{\circ}C$)

Ex ib IIIB T200°C Db

The lower certification temperature marked on each torch is dependent on the torch body material used.

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

The rechargeable torch may also be fitted with an optional cassette to take primary cells. Primary cell versions may use only the following cell types: any R6/AA size zinc-chloride or zinc-carbon cells, or LR6/AA size batteries of type Duracell Plus, Duracell Procell, Duracell Industrial, Energizer Ultra+ or Energizer Industrial.

16 Report Number

See Certificate History

17 Specific Conditions of Use

None

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

| Clause | Subject |
|--------|-----------------------------|
| 1.4.1 | External effects |
| 1.4.2 | Aggressive substances, etc. |

19 Drawings and Documents

New drawings submitted for this issue of certificate:

| Number | Sheet | Issue | Date | Description |
|--------|-------|-------|----------|---|
| R-912 | 1 | 5 | 18/07/22 | Rechargeable Torch – Control Circuit – Single LED |

Current drawings which remain unaffected by this issue:

| Number | Sheet | Issue | Date | Description |
|--------|-------|-------|----------|--|
| *R-711 | 1 | 7 | 28/05/21 | Wolf Rechargeable Torch – LED Versions |
| *R-712 | 1 | 11 | 06/07/21 | Wolf Rechargeable Torch – Single LED Version |
| R-811 | 1 | 1 | 12/10/05 | Wolf Rechargeable Torch – Cassette – LED |
| R-840 | 1 | 2 | 21/07/15 | Rechargeable Torch – Primary Cell Cassette |
| R-911 | 1 | 1 | 12/10/05 | Rechargeable Torch – Control Circuit – Single LED |
| R-913 | 1 | 4 | 24/05/10 | Wolf Rechargeable Torch – Battery Protection Circuit |
| R-916 | 1 | 1 | 12/10/05 | Rechargeable Torch – Wolf Rechargeable Torch - Charger Circuit Board |
| R-940 | 1 | 1 | 05/07/07 | Rechargeable Torch – Primary Cell Cassette Circuit |

All above drawings are held with IECEx BAS 06.0001.

*These drawings are common to BAS21UKEX0438.

20 Certificate History

| Certificate No. | Date | Comments |
|-------------------------------|-------------------|---|
| Baseefa05ATEX0069 | 20 March 2006 | The release of the prime certificate. The associated test and assessment is documented in Test Report 04(C)0229/1. |
| Baseefa05ATEX0069/1 | 12 January 2007 | To permit minor electrical and mechanical changes not affecting the original assessment and the addition of the protection code for Group I gassy mines. |
| Baseefa05ATEX0069/2 | 14 September 2007 | To permit electrical and mechanical changes leading to a change of marking. The associated test and assessment is documented in 07(C)0547 |
| Baseefa05ATEX0069 Issue 3 | 23 November 2009 | To permit mechanical changes. This issue incorporates previously issued primary and supplementary certificates into one certificate and confirms that the current design meets the requirements of EN 60079-0:2006, EN 60079-11:2007, EN 61241-0:2006 and EN 61241-1:2004. The associated test and assessment is documented in GB/BAS/ExTR09.0196/00. |
| Baseefa05ATEX0069 Issue 4 | 17 June 2011 | To permit minor mechanical changes not affecting the result of the existing certification. The associated test and assessment is documented in GB/BAS/ExTR10.0148/00 |
| Baseefa05ATEX0069X Issue 5 | 3 Aug 2015 | To permit: - changes to the materials used for construction, - the dust certification to be defined as group IIIB, - revisions to the permitted battery types and associated temperature classes, - and to confirm that the current designs have been reviewed against the requirements of EN 60079-0:2012+A11:2013 and EN 60079-11:2012 in respect of any differences from EN 60079-0:2006, EN 60079-11:2007, EN 61241-0:2006 and EN 61241-1:2004 and none of the differences affect this equipment. |

| Certificate No. | Date | Comments |
|--|------------------|---|
| | | Also, to add Conditions of use to the Certificate. The associated test and assessment is documented in GB/BAS/ExTR15.0050/00 for project 14/0965. |
| Bassefa05ATEX0069X Issue 6 | 2 December 2016 | To permit the use of new materials and to permit the addition of protection concept "op is". The associated test and assessment is documented in GB/BAS/ExTR16/0256/00 for project 16/0143. |
| Bassefa05ATEX0069X Issue 7 | 12 February 2020 | To permit the use of an alternative LED, and changes to an enclosure material. See GB/BAS/ExTR19.0268/00 for project 19/0456. |
| Bassefa05ATEX0069 Issue 8 | 3 March 2022 | To confirm the equipment is out of scope of EN 60079-28:2015, to change from EPL Da to EPL Db, to remove previous Specific Conditions of Use, and to confirm compliance with EN IEC 60079-0:2018. See report GB/BAS/ExTR22.0015/00 for project 21/0494. |
| Bassefa05ATEX0069 Issue 9 | 20 October 2022 | To permit minor drawing changes not affecting the original assessment. See report GB/BAS/ExTR22.0148/00 for project 22/0380. |
| For drawings applicable to each issue, see original of that issue. | | |