

UK-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

UK-Type Examination Certificate Number: **BAS21UKEX0438 – Issue 1**

Product: **Wolf Rechargeable Torch R-5X**

Manufacturer: **Wolf Safety Lamp Company Limited**

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

This re-issued certificate extends UK-Type Examination Certificate No. BAS21UKEX0438 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.

SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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.

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.

This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following :

 See schedule

SGS Baseefa Customer Reference No. **1112**

Project File No. **22/0380**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa
Limited

13 **Schedule**

14 **Certificate Number BAS21UKEX0438 – Issue 1**

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 $X < 5$)

Ex 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 $X \geq 5$)

Ex 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 |
|--------|-----------------------------|
| 21 (1) | External effects |
| 21 (2) | Aggressive substances, etc. |

19 **Drawings and Documents**

New drawings submitted for this issue of certificate:

| Number | Sheet | Issue | Date | Description |
|--------|-------|-------|------|-------------|
|--------|-------|-------|------|-------------|

None

For all other drawings see Baseefa05ATEX0069 Issue 9.

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 |

The above drawings are common to Baseefa05ATEX0069 Iss 9 and IECEx BAS 06.0001 Iss 9.

20 Certificate History

| Certificate No. | Date | Comments |
|--|-----------------|---|
| BAS21UKEX0438 | 3 March 2022 | The release of the prime certificate. The associated test and assessment is documented in Test Report GB/BAS/ExTR22.0015/00. Project 21/0494. |
| BAS21UKEX0438 Issue 1 | 17 October 2022 | To permit minor drawing changes that do not affect the original assessment. Report No. GB/BAS/ExTR22.0148/00 for Project 22/0380. |
| For drawings applicable to each issue, see original of that issue. | | |