

1 **EU - TYPE EXAMINATION CERTIFICATE**

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

3 EU - Type Examination Certificate **Baseefa07ATEX0091 – Issue 6**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **TR-3X / TS-3X LED Torches**

5 Manufacturer: **Wolf Safety Lamp Company Limited**

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

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa07ATEX0091 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.

8 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.

8.1 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**

9 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.

10 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.

11 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.

12 The marking of the product shall include the following:

 (see Schedule)

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

Project File No. **22/0337**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of their intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Fimko Oy

Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi

Business ID 0978538-5 Member of the SGS Group (SGA SA)



Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

13

Schedule

14

Certificate Number Baseefa07ATEX0091 – Issue 6

15 Description of Product

The Wolf Torches TR-3X and TS-3X LED torches are portable lights with a moulded plastic case and lens ring, and a toughened glass or plastic lens. The lens and metallised plastic reflector are held in place by the lens ring which screws on to the torch body. Effective sealing is ensured by a nitrile or TPA seal fitted around the outer rim of the reflector.

The torch is available in two different body styles. The TS-3X has a straight body where the lens and reflector must be removed in order to insert and remove the batteries. The TR-3X has a right angled body where the lens is at 90° orientation to the batteries. It has a removable end cap that is screwed onto the base of the torch body to allow insertion and removal of batteries. A nitrile “O” ring located in a groove in the torch body provides an effective seal.

The switch slider mechanism causes a rotating pinion passing through the torch body to force two metal contacts together.

Power is provided by means of two R20 or LR20 primary cells. The correct orientation of the batteries is clearly marked on the torch body. Certain models include low power indication features.

The TR-3X and TS-3X may be marked:-

Model Reference	Permitted Cell Types	Markings
TS-3X (X ≥ 5)	R20 / LR20**	⊕ I M1/II 1G Ex ia I Ma / IIC T4 Ga (-20°C ≤ Ta ≤ +40°C) II 2D Ex ib IIIB T130°C Db
TR-3X (X ≥ 5)	R20 / LR20**	⊕ I M1/II 1G Ex ia I Ma / IIC T4 Ga (-30°C ≤ Ta ≤ +40°C) II 2D Ex ib IIIB T130°C Db
TS-3X (X ≥ 5)	R20 / LR20*	⊕ I M1/II 1G Ex ia I Ma / IIC T4 Ga (-20°C ≤ Ta ≤ +55°C) II 2D Ex ib IIIB T130°C Db
TR-3X (X ≥ 5)	R20 / LR20*	⊕ I M1/II 1G Ex ia I Ma / IIC T4 Ga (-30°C ≤ Ta ≤ +55°C) II 2D Ex ib IIIB T130°C Db
TS-3X (X ≤ 4)	R20 / LR20**	⊕ I M2/II 2GD Ex ib I Mb / IIC T4 Gb (-20°C ≤ Ta ≤ +40°C) Ex ib IIIB T130°C Db
TR-3X (X ≤ 4)	R20 / LR20**	⊕ I M2/II 2GD Ex ib I Mb / IIC T4 Gb (-30°C ≤ Ta ≤ +40°C) Ex ib IIIB T130°C Db
TS-3X (X ≤ 4)	R20 / LR20*	⊕ I M2/II 2GD Ex ib I Mb / IIC T4 Gb (-20°C ≤ Ta ≤ +55°C) Ex ib IIIB T130°C Db
TR-3X (X ≤ 4)	R20 / LR20*	⊕ I M2/II 2GD Ex ib I Mb / IIC T4 Gb (-30°C ≤ Ta ≤ +55°C) Ex ib IIIB T130°C Db

The following cells are permitted:-

LR20* - Duracell Ultra, Energizer Alkaline, Energizer Industrial, Eveready Gold. These cells may be used in ambient temperatures up to +55°C.

LR20** - Varta Universal Alkaline, Varta Alkaline Value Pack, Varta Electric Power, Kodak Alkaline, Exide Alkaline, Cegassa Alkaline, Duracell Alkaline, Duracell Plus, Duracell Procell, Duracell Industrial, Procell (grey), Procell Constant, HiTech Alkaline Professional, RS Alkaline, Sanyo Alkaline, Duracell Ultra, Energizer Alkaline, Energiser Industrial, Eveready Gold, Rayovac Maximum, Duracell Procell, Pifco Optimax. These cells may be used in ambient temperatures up to +40°C.

R20 - Any make and model of cell may be used. These cells may be used in ambient temperatures up to +55°C.

Group I marking may be omitted from Zone 1 models.

16 Report Number

GB/BAS/ExTR22.0145/00

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
TP-729	1	3	06/07/21	Wolf - 2 Cell - Right Angle LED TR-30/35
TP-730	1	3	06/07/21	Wolf - 2 Cell - Straight LED (TS-30/35)
TP-735 [#]	1	3	17/05/21	Wolf - 2 Cell - Right Angle LED TR-3X
TP-736 [#]	1	3	28/06/21	Wolf - 2 Cell - Straight LED TS-3X
TP-924 [#]	1	3	22/08/22	TR/TS-30/35 - Approval Code Options.
TP-951 *	1	3	05/09/22	LED Module - Control PCB

[#]These drawings are common to BAS21UKEX0437.

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
TP-952 *	1	2	25/07/11	LED Module - Control PCB & Assembly Section

These drawings are common to and held with IECEx BAS 06.0089 Iss 7.

Note * - These drawings are also currently associated with other certificates.

Drawings removed due to removal of TR-4X from this certificate:

Number	Sheet	Issue	Date	Description
TP-740	1	6	08/09/16	Wolf Primary Cell LED Torch (TR-40/45)
TP-840	1	3	15/07/15	Primary Cell LED Torch - Cassette
TP-940	1	1	13/11/06	Primary Cell LED Torch – Cassette Circuit

20 Certificate History

Certificate No.	Date	Comments
Baseefa07ATEX0091	18 April 2007	The release of the prime certificate. The associated test and assessment is documented in Test Report 06(C)0643.
Baseefa07ATEX0091/1	12 June 2008	To permit minor mechanical changes not affecting the original assessment.

Certificate No.	Date	Comments
Bassefa07ATEX0091 Issue 2	23 November 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 60079-11:2007, EN 61241-0:2006 and EN 61241-1:2004.
Bassefa07ATEX0091 Issue 3	17 June 2011	To permit minor mechanical changes not affecting the result of the original assessment.
Bassefa07ATEX0091 Issue 4	15 July 2015	To permit: - the TR-3X & TS-3X torches that were previously listed in BAS02ATEX2220X to be incorporated into this certificate - changes to the materials used for construction - the dust certification to be defined as Group IIIB 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. The assessment was recorded in GB/BAS/ExTR15.0048/00 for project 14/0936
Bassefa07ATEX0091 Issue 5	2 December 2016	To permit a change of 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.
Bassefa07ATEX0091 Issue 6	20 October 2022	To confirm that the equipment meets the requirements of EN IEC 60079-0:2018. To permit minor product and drawings changes not affecting the original assessment. To confirm the removal of protection concept "op is". Specific Conditions of Use 1 & 2 have been removed. The TR-40 LED Torch is a now obsolete product and has been removed. Additional LR20 cells permitted. The marking of equipment has been changed (see Schedule). Report No. GB/BAS/ExTR22.0145/00 for Project 22/0337.
For drawings applicable to each issue, see original of that issue.		