

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 **Baseefa06ATEX084 – Issue 8**
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: **Wolf Mini/Micro Torch Range**

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

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

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa06ATEX0084X 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. **19/0462**

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Tuomas Hänninen
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Schedule

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Certificate Number Baseefa06ATEX0074 – Issue 8

15 Description of Product

The Wolf Mini / Micro Torch Range comprises 5 models using various primary batteries with either a Xenon bulb or LED(s) housed in a straight thermoplastic body. The M-1x, M-2x, M-4x and M-6x may be moulded in static dissipative plastic. The lens end cap retains a transparent plastic lens. The straight body arrangement incorporates a thermoplastic pocket clip and an on/off switch.

The enclosure is sealed dust tight and provides an ingress protection level of IP67.

All the torches are outside the scope of EN 60079-28.

There are five versions which are coded as follows, the second numeral X may vary to denote sub-versions:

M-1X Models:

⊕ I M1 / II 1G / II 2D

Ex ia I Ma / IIC T5 Ga (-40°C ≤ T_a ≤ +50°C)

Ex ib IIIB T95°C Db IP67

4 x LR44 cells

Single 5mm LED

Permitted cells: Ansmann, Duracell, Energizer, GP, Hi Watt, Maxell, Renata, Varta

M-2X Models:

⊕ I M2 / II 2G

Ex ib I Mb / IIC T4 Gb (-40°C ≤ T_a ≤ +40°C) IP67

2 x LR03 (AAA) cells

Xenon bulb

Permitted cells: Duracell Procell/Plus/Ultra M3/Industrial, Procell(grey), Energizer Industrial/Ultra+/Ultimate, GP Alkaline/Super Alkaline, Panasonic Powermax/Ultra, Philips Powerlife, Varta High Energy

M-4X Models:

⊕ I M1 / II 1G / II 2D

Ex ia I Ma / IIC T4 Ga (-40°C ≤ T_a ≤ +50°C)

Ex ib IIIB T125°C Db IP67

3 x LR1 (N) cells

3 x 5mm LED

Permitted cells: Duracell, Energizer, GP, Maxell, Panasonic, Varta, Philips Powerlife

M-6X Models:

⊕ I M1 / II 1G / II 2D

Ex ia I Ma / IIC T4 Ga (-40°C ≤ T_a ≤ +50°C)

Ex ib IIIB T130°C Db IP67

3 x LR1 (N) cells

Single LED

Permitted cells: Duracell, Energizer, GP, Maxell, Panasonic, Varta, Philips Powerlife

M-7X Models:

⊕ I M1 / II 1GD

Ex ia I Ma / IIC T4 Ga (-20°C ≤ T_a ≤ +40°C)

Ex ia IIIC T₂₀₀160°C Da IP67

2 x LR03 (AAA) cells

Single LED

Permitted cells: Duracell Procell/Plus/Ultra M3/Industrial, Procell(grey), Energizer Industrial/Ultra+/Ultimate, GP Alkaline/Super Alkaline, Panasonic Powermax/Ultra, Philips Powerlife, Varta High Energy

16 Report Number

See Certificate history

17 Specific Conditions of Use

None, the previous conditions have been removed.

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
M-710	1	8	09/11/20	Wolf M-10 Torch
M-720	1	8	16/11/20	Wolf M-20 Torch
M-740	1	9	09/11/20	Wolf M-40 Torch
M-760	1 & 2	10	16/11/20	Wolf M-60 Torch
M-770	1	1	23/11/20	Wolf M-70 Torch

These drawings are held with IECEx BAS 06.0023X Issue 8

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
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None.

20 Certificate History

Certificate No.	Date	Comments
Baseefa06ATEX0084	15 May 2006	The release of the prime certificate. The associated test and assessment is documented in Test Reports 04(C)0229 & UK/BAS/04/0229/1.
Baseefa06ATEX0084/1	27 September 2007	To permit the Wolf Mini/Micro Torch range to be marked for Group I applications, to confirm the assessment of the Wolf Mini/Micro Torch range against the standards EN 61241-0:2006 and EN 61241-1:2004 for use in the presence of combustible dust., and to permit changes to the LED assembly in the M-6X range of torches.
Baseefa06ATEX0084 Issue 2	22 March 2010	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 60079-0:2009, EN 60079-11:2007, EN 61241-0:2006 and EN 61241-1:2004. The associated test and assessment is documented in Test Report GB/BAS/ExTR10.0055/00.
Baseefa06ATEX0084 Issue 3	7 June 2010	To permit a new LED type for the M-60. The associated test and assessment is documented in Test Report GB/BAS/ExTR10.0114/00.

Certificate No.	Date	Comments
Baseefa06ATEX0084 Issue 4	25 October 2010	To permit a revised LED mounting arrangement for the M-60, and a revised switch arrangement for the M-20, M-40 and M-60. The associated test and assessment is documented in Test Report GB/BAS/ExTR10.0235/00
Baseefa06ATEX0084X Issue 5	23 October 2015	To permit a reduction in the lower ambient temperature from -20°C to -40°C, introduction of Intrinsic safety Dust Protection to Group IIIB and removal of EN 61241 standards (excluding Model M-2X) and introduction of new antistatic body materials. Also to confirm that the current design meets the requirements of EN 60079-0:2012+A11:2013 and EN 60079-11:2012. Models M-1X, M-4X & M-6X models have EPLs of Ma, Ga, & Da in the presence of non-conductive dust. Model M-2X has EPLs of Mb & Gb. The associated test and assessment is documented in Test Report GB/BAS/ExTR15.0051/00
Baseefa06ATEX0084X Issue 6	2 May 2017	To confirm that the current design for the M-1X, M-4X and M-6X meet the requirements of EN 60079-28: 2015 for Inherently Safe Optical Radiation and to permit minor mechanical changes not affecting the protection. The LEDs are more specifically defined in order to enable conformity with “op is” requirements. The associated test and assessment is documented in Test Report GB/BAS/ExTR17.0052/00 for Project 17/0057.
Baseefa06ATEX0084X Issue 7	28 February 2019	To permit corrections to the previous test report and associated drawings. The associated test and assessment is documented in Test Report GB/BAS/ExTR17.0052/01 for Project 18/0826.
Baseefa06ATEX0084 Issue 8	11 May 2021	To permit introduction of the M-7X model, to confirm M-1X, M-4X & M-6X models as EPL Db for Group IIIB, to confirm the use of EN IEC 60079-0:2018, and to confirm the removal of EN 60079-28:2015. The equipment is out of scope of EN 60079-28 as defined in IEC 60079-28:2015+ISH1:2019. The associated test and assessment is documented in Test Report GB/BAS/ExTR20.0007/00 for Project 19/0462.
For drawings applicable to each issue, see original of that issue.		