



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx BAS 06.0023	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 8	Issue 7 (2019-02-28)
Date of Issue:	2021-05-11		Issue 6 (2017-05-02)
Applicant:	Wolf Safety Lamp Company Ltd Saxon Road Works Sheffield S8 0YA United Kingdom		Issue 5 (2015-10-23)
Equipment:	Wolf Mini / Micro Torch Range		Issue 4 (2010-10-25)
Optional accessory:			Issue 3 (2010-06-07)
Type of Protection:	Intrinsic Safety		Issue 2 (2010-03-22)
Marking:	For code, see schedule		Issue 1 (2007-10-11)
			Issue 0 (2006-05-16)

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

11/5/2021

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.
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Certificate issued by:

SGS Baseefa Limited
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

Additional manufacturing locations:

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 equipment 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

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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 Reports:

GB/BAS/ExTR06.0040/00
GB/BAS/ExTR10.0055/00
GB/BAS/ExTR15.0051/00
GB/BAS/ExTR20.0007/00

GB/BAS/ExTR07.0073/00
GB/BAS/ExTR10.0114/00
GB/BAS/ExTR17.0052/00

GB/BAS/ExTR07.0110/00
GB/BAS/ExTR10.0235/00
GB/BAS/ExTR17.0052/01

Quality Assessment Report:

GB/BAS/QAR06.0017/09



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 IEC 60079-28.

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

M-1X Models:

Ex ia I Ma / IIC T5 Ga (-40°C ≤ Ta ≤ +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:

Ex ib I Mb / IIC T4 Gb (-40°C ≤ Ta ≤ +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:

Ex ia I Ma / IIC T4 Ga (-40°C ≤ Ta ≤ +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:

Ex ia I Ma / IIC T4 Ga (-40°C ≤ Ta ≤ +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:

Ex ia I Ma / IIC T4 Ga (-20°C ≤ Ta ≤ +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

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) Variation 8.1

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, to confirm the removal of IEC 60079-28:2015, and to confirm the removal of the specific conditions of use.

The equipment is out of scope of IEC 60079-28 as defined in IEC 60079-28:2015+ISH1:2019.

ExTR: **GB/BAS/ExTR20.0007/00**

File Reference: **19/0462**