



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx BAS 11.0116X issue No.:2

Status: **Current**

Date of Issue: **2016-01-18** Page 1 of 5

Certificate history:
Issue No. 2 (2016-1-18)
Issue No. 1 (2013-10-14)
Issue No. 0 (2012-1-30)

Applicant: **Wolf Safety Lamp Company Limited**
Saxon Road Works
Sheffield
S8 0YA
United Kingdom
United Kingdom

Electrical Apparatus: **Wolf M-8x Midi Torch**
Optional accessory:

Type of Protection: **Intrinsic Safety**


Marking: **M-8x (x < 5)**
Ex ib I Mb
Ex ib IIB/IIC T3/T4 Gb
Ex ib IIIB T200°C Db

M-8x (x ≥ 5)
Ex ia I Ma
Ex ia IIC T3/T4 Ga
Ex ia IIIB T200°C Da

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Technical Manager

Signature:
(for printed version)


18 JANUARY 2016

Date:

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.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

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 Limited**
Saxon Road Works
Sheffield
S8 0YA
United Kingdom
United Kingdom

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

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

*This Certificate **does not** indicate compliance with electrical 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 Report:

[GB/BAS/ExTR11.0225/00](#)

[GB/BAS/ExTR13.0190/00](#)

[GB/BAS/ExTR15.0369/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0017/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Wolf M-8x (where x is used to denote different variants) Midi Torch range are self-contained primary cell powered torches that are moulded in high impact strength plastic, contain a single LED light source and are powered by four zinc carbon R6 or four alkaline manganese LR6 cells.

The M-8x ($x < 5$) is designed for Group I EPL Mb, for Group IIB/IIC T3/T4 EPL Gb, and for Group IIIB EPL Db applications and can be marked

Ex ib I Mb

Ex ib IIB/IIC T3/T4 Gb

Ex ib IIIB T200°C Db

The M-8x ($x < 5$) gas group will be either IIB or IIC, and the certification temperature range will be either $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ or $40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ as marked on each torch.

The M-8x ($x \geq 5$) is designed for Group I EPL Ma, for Group IIC T3/T4 EPL Ga, and for Group IIIB EPL Db applications and can be marked

Ex ia I Ma

Ex ia IIC T3/T4 Ga

Ex ia IIIB T200°C Da

The M-8x ($x \geq 5$) certification temperature range will be either $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ or $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ as marked on each torch.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Dust layers must be prevented from building up on the equipment.
2. The equipment must not be left energised and unattended in Zone 20 areas.



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EQUIPMENT(continued):

For Group IIB/IIC T4 applications R6 cells of any type or LR06 cells of the following types may be used:- Duracell Procell, Duracell Plus, Duracell Industrial, Energizer Industrial, Energizer Ultra+, Energizer EN91, Energizer E91.

For Group I, or Group IIB/IIC T3, or Group IIIB applications any R6 cells or any LR06 cells may be used.

Cell types should not be mixed.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 2.1

To permit the use of new materials, a wider certification temperature range for some models, and protection for group IIC for some models.

ExTR: GB/BAS/ExTR15.0369/00

File Reference: 15/0466