



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 10.0023X

Issue No: 4

Certificate history:

Status: **Current**

Issue No. 4 (2018-03-08)

Issue No. 3 (2017-06-06)

Date of Issue: **2018-03-08**

Page 1 of 5

Issue No. 2 (2013-03-11)

Issue No. 1 (2011-11-10)

Issue No. 0 (2010-06-16)

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

Equipment: **HT-4xx Headtorch, HT-40xZ0 Headtorch & HT-6xx Headtorch**

Optional accessory:

Type of Protection: **Intrinsic Safety, Inherently Safe Optical Radiation.**

Marking:
See equipment section.

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

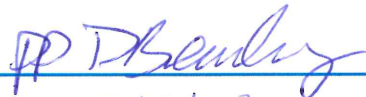
D BREARLEY
Certification
Manager

Position:

Technical Manager

Signature:
(for printed version)

Date:


12/3/18

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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Certificate No: IECEx BAS 10.0023X

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Page 2 of 5

Manufacturer: **Wolf Safety Lamp Company Limited**
Saxon Road Works
Sheffield
S8 0YA
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 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

IEC 60079-28 : 2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

Edition:2

*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/ExTR10.0043/00](#)

[GB/BAS/ExTR11.0232/00](#)

[GB/BAS/ExTR11.0263/00](#)

[GB/BAS/ExTR13.0063/00](#)

[GB/BAS/ExTR17.0058/00](#)

[GB/BAS/ExTR18.0037/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0017/07](#)



IECEX Certificate of Conformity

Certificate No: IECEx BAS 10.0023X

Issue No: 4

Date of Issue: 2018-03-08

Page 3 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Wolf HT-4xx, HT-40xZ0 & HT-6xx headtorch (xx denotes different variants) is a self-contained primary cell powered headtorch. It is moulded in high impact strength plastic, contains a single LED light source. HT-4xx models are powered by three LR03 alkaline cells, and HT-6xx models powered by three LR06 alkaline or three R6 zinc chloride cells. Cell types should not be mixed.

The HT-40x uses level of protection ib op is for Group I, Group IIC T4 and Group IIIB.

The HT-45x and HT-40xZ0 uses level of protection ia op is for Group IIC T4 and Group IIIB.

For the HT-4xx and HT-40xZ0 only LR03 cells of the following types are permitted:- Industrial by Duracell, Duracell Procell, Duracell Plus, Duracell Ultra M3, Energizer Industrial, Energizer Ultra+, Energizer Ultimate, GP Alkaline, GP Super Alkaline, Panasonic Powermax, Panasonic Ultra, Philips Powerlife, Varta High Energy.

The HT-60x uses level of protection ib op is for Group I, Group IIC T3/T4, and Group IIIB.

The HT-65x uses level of protection ia op is for Group I, Group IIC T3/T4, and Group IIIB.

For the HT-6xx in Group IIC T4 applications any R6 cells or LR06 cells of the following types may be used:- Industrial by Duracell, Duracell Procell, Duracell Plus, Energizer Industrial, Energizer Ultra+, Energizer EN91, Energizer E91.

For the HT-6xx in Group I, Group IIC T3 or Group IIIB application any R6 or LR06 cells may be used.

SPECIFIC CONDITIONS OF USE: 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.



IECEX Certificate of Conformity

Certificate No: IECEx BAS 10.0023X

Issue No: 4

Date of Issue: 2018-03-08

Page 4 of 5

EQUIPMENT (continued):

The equipment is marked:-

HT-40x models

Ex ib op is I Mb/IIC T4 Gb

Ex ib op is IIIB T125°C Db

HT-45x models

Ex ia op is IIC T4 Ga

Ex ia op is IIIB T125°C Da

HT-40xZ0 models

Ex ia op is IIC T4 Ga

Ex ia op is IIIB T125°C Da

HT-60x models

Ex ib op is I Mb / IIC T4/T3 Gb

Ex ib op is IIIB T155°C Db

HT-65x models

Ex ia op is I Ma / IIC T4/T3 Ga

Ex ia op is IIIB T155°C Da



IECEX Certificate of Conformity

Certificate No: IECEx BAS 10.0023X

Issue No: 4

Date of Issue: 2018-03-08

Page 5 of 5

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

Variation 4.1 To permit the addition of model HT-40xZ0 that does not affect the existing assessment.

ExTR: GB/BAS/ExTR18.0037/00

File Reference: 18/0113