



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 10.0023	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2018-03-08)
Date of Issue:	2022-10-18		Issue 3 (2017-06-06)
Applicant:	Wolf Safety Lamp Company Limited Saxon Road Works Sheffield S8 0YA United Kingdom		Issue 2 (2013-03-11)
Equipment:	HT-4xx Headtorch, HT-40xZ0 Headtorch & HT-6xx Headtorch		Issue 1 (2011-11-10)
Optional accessory:			Issue 0 (2010-06-16)
Type of Protection:	Intrinsically Safe		
Marking:	See equipment section.		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

18/10/2022

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

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

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/ExTR10.0043/00](#)
[GB/BAS/ExTR13.0063/00](#)
[GB/BAS/ExTR22.0146/00](#)

[GB/BAS/ExTR11.0232/00](#)
[GB/BAS/ExTR17.0058/00](#)

[GB/BAS/ExTR11.0263/00](#)
[GB/BAS/ExTR18.0037/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0017/10](#)



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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 for Group I, Group IIC T4 and Group IIIB.

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

For the HT-4xx and HT-40xZ0 only LR03 cells of the following types are permitted:- Procell (Grey), Procell Constant, 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 for Group I, Group IIC T4/T3 and Group IIIB.

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

For the HT-6xx in Group IIC T4 applications any R6 cells or LR06 cells of the following types may be used:- Procell (Grey), Procell Constant, 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.

The equipment is marked:-

HT-40x models

Ex ib I Mb / IIC T4 Gb

Ex ib IIIB T125°C Db

HT-45x models

Ex ia IIC T4 Ga

Ex ib IIIB T125°C Db

HT-40xZ0 models

Ex ia IIC T4 Ga

Ex ib IIIB T125°C Db

HT-60x models

Ex ib I Mb / IIC T4/T3 Gb

Ex ib IIIB T155°C Db

HT-65x models

Ex ia I Ma / IIC T4/T3 Ga

Ex ib IIIB T155°C Db

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 5.1

To confirm that the equipment meets the requirements of IEC 60079-0:2017 Edition 7.

Variation 5.2

To permit minor drawing changes not affecting the original assessment

Variation 5.3

To confirm the removal of protection concept "op is".

Variation 5.4

To confirm the removal of Specific Conditions of Use.

ExTR: **GB/BAS/ExTR22.0146/00**

File Reference: **21/0492**