



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 10.0023** issue No.:1

Status: **Current**

Date of Issue: **2011-11-10** Page 1 of 4

Certificate history:
Issue No. 2* (2011-10-21)
Issue No. 1 (2011-11-10)
Issue No. 0 (2010-6-16)

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

Electrical Apparatus: **HT-4xx Headtorch & HT-6xx Headtorch**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **HT-40x models - Ex ib I/IIC T4 Gb Mb**
HT-45x models - Ex ia IIC T4 Ga
HT-60x models - Ex ib I Mb / IIC T4/T3 Gb
HT-65x models - Ex ia I Ma / IIC T4/T3 Ga

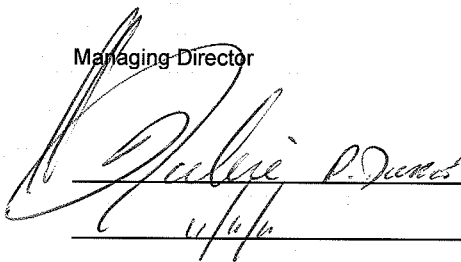
Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:
(for printed version)



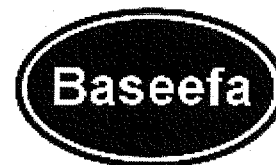
11/10/11

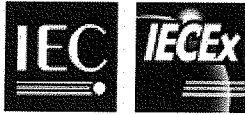
Date:

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.

Certificate issued by:

Baseefa
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 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 : 2011-06 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/ExTR10.0043/00

GB/BAS/ExTR11.0232/00

Quality Assessment Report:

GB/BAS/QAR06.0017/03



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Wolf HT-4xx headtorch and HT-6xx headtorch (where xx is used to denote different variants) are self-contained primary cell powered headtorches that are moulded in high impact strength plastic and contain a single LED light source.

The HT-4xx is powered by three LR03 alkaline cells. The HT-6xx is powered by three R6/LR6 alkaline cells.

The HT-40x is designed for Group I M2 and for Zone 1 Group IIC T4 applications and can be marked
Ex ib I/IIC T4 Gb Mb

The HT-45x is designed for Zone 0 Group IIC T4 applications and can be marked
Ex ia IIC T4 Ga

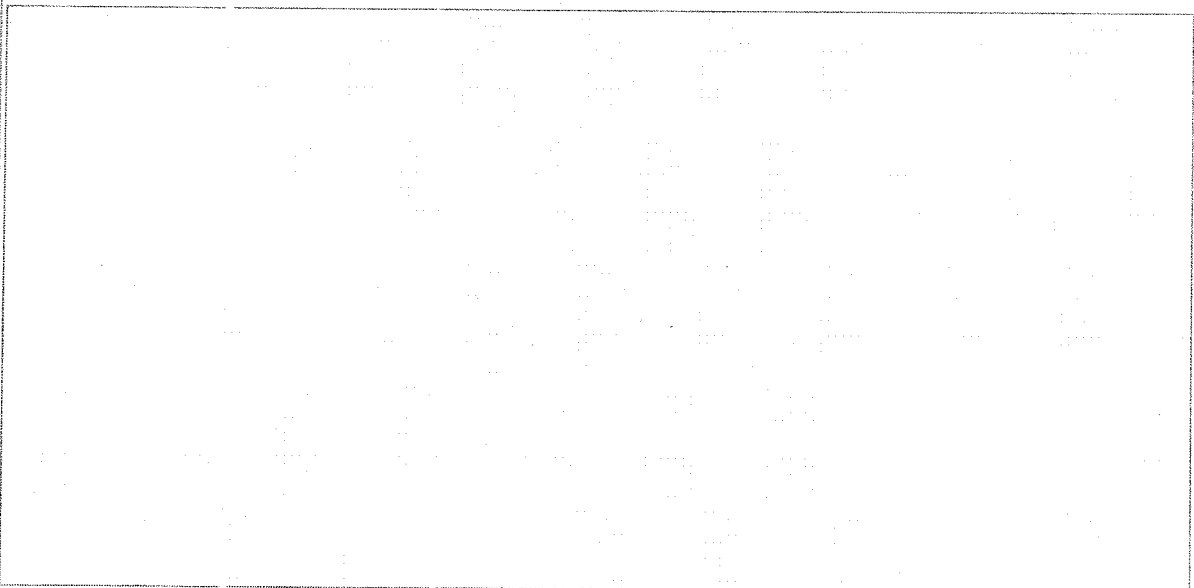
The HT-60x is designed for Group I M2 and for Zone 1 Group IIC T4/T3 applications and can be marked
Ex ib I Mb / IIC T4/T3 Gb

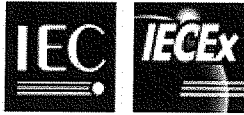
The HT-65x is designed for Group I M1 and for Zone 0 Group IIC T4/T3 applications and can be marked
Ex ia I Ma / IIC T4/T3 Ga

For the HT-4xx only LR03 cells of the following types are permitted:- 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. Cell types should not be mixed.

For the HT-6xx in Group IIC T4 applications R6 cells of any type or LR6 cells of the following types may be used:- Duracell Procell, Duracell Plus, Energizer Industrial, Energizer Ultra+, Energizer EN91, Energizer E91. For the HT-6xx in Group I or Group IIC T3 applications any R6 cells or any LR6 cells may be used. Cell types should not be mixed.

CONDITIONS OF CERTIFICATION: NO





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

Variation 1.1

To permit minor mechanical changes to the HT-40x and the addition of the HT-45x Headtorch.

ExTR: **GB/BAS/ExTR11/0232/00**

File Reference: **10/0148**

Variation 1.2

To permit the introduction of HT-60x and HT-65x Headtorches.

ExTR: **GB/BAS/ExTR11.0263/00**

File Reference: **10/0148**