



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 94/9/EC

3 EC - Type Examination Certificate Number: **Baseefa10ATEX0067 – Issue 2**

4 Equipment or Protective System: **HT-4xx & HT-6xx Headtorches**

5 Manufacturer: **Wolf Safety Lamp Company Ltd**

6 Address: **Saxon Road Works, Sheffield, S8 0YA**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR13.0063/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 EN 60079-11:2012

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

 (see schedule)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **1112**

Project File No. **12/0273**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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R S SINCLAIR

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa10ATEX0067 – Issue 2

15 Description of Equipment or Protective System

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. Cell types should not be mixed.

The HT-40x is designed for Group I M2, for Zone 1 Group IIC T4, and for Zone 21 Group IIIB applications and can be marked

Ⓔ I M2/II 2GD Ex ib I Mb / IIC T4 Gb
Ex ib IIIB T125°C Db

The HT-45x is designed for Zone 0 Group IIC T4, and Zone 20 Group IIIB applications and can be marked

Ⓔ II 1GD Ex ia IIC T4 Ga
Ex ia IIIB T125°C Da

The HT-60x is designed for Group I M2, for Zone 1 Group IIC T4/T3, and Zone 21 Group IIIB applications and can be marked

Ⓔ I M2/II 2GD Ex ib I Mb / IIC T4/T3 Gb
Ex ib IIIB T155°C Db

The HT-65x is designed for Group I M1, for Zone 0 Group IIC T4/T3, and for Zone 20 Group IIIB applications and can be marked

Ⓔ I M1/II 1GD Ex ia I Ma / IIC T4/T3 Ga
Ex ia IIIB T155°C Da

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.

For the HT-6xx in Group IIC T4 applications any R6 cells or LR06 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, Group IIC T3 or Group IIIB application any R6 or LR06 cells may be used.

16 Report Number

GB/BAS/ExTR13.0063/00

17 Specific Conditions of Use

None.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.



19 Drawings and Documents

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
HT-940	1	3	23/10/12	Wolf Headtorch HT-400/HT-450
HT-960	1	2	08/10/12	Wolf Headtorch HT-600/HT-650 Circuit Details
HT-740	1 to 3	3	05/03/13	HT-400/450 Head Torch GA
HT-760	1 to 3	2	05/03/13	HT-600/HT-650 Head Torch GA

These drawings are held with IECEx BAS 10.0023 issue 2.

There are no other current drawings also associated with this certificate.

20 Certificate History

Certificate No.	Date	Comments
Baseefa10ATEX0067	16 June 2010	The release of the prime certificate. The associated test and assessment is documented in Test Report GB/BAS/ExTR10.0043/00
Baseefa10ATEX0067 Issue 1	10 November 2011	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of IEC 60079-0: 2011, IEC 60079-11: 2011 including the revision of the marking in accordance with these standards. The issue also permits the introduction of the HT-45x, HT-60x and HT-65x headtorches. The associated test and assessment is documented in Test Reports GB/BAS/ExTR11.0232/00 and GB/BAS/ExTR11.0263/00.
Baseefa10ATEX0067 Issue 2	11 March 2013	To permit the use of an alternative LED and other components, and to include protection against group IIIB dust. The referenced standards have been updated to the EN equivalents of the IEC standards used for the previous certificate variation.
For drawings applicable to each issue, see original of that issue.		