

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**

3 EU - Type Examination Certificate **Baseefa10ATEX0067 – Issue 5**  
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **HT-4xx, HT-40xZ0 & HT-6xx Head Torches**

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

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

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa10ATEX0067X to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

**EN IEC 60079-0: 2018 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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

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

12 The marking of the product shall include the following:

 **See Schedule**

SGS Fimko Oy Customer Reference No. **1112**

Project File No. **21/0492**

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Mikko Välimäki  
Authorised Signatory for SGS Fimko Oy

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## Schedule

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### Certificate Number Baseefa10ATEX0067 – Issue 5

#### 15 Description of Product

The Wolf HT-4xx headtorch, HT-40xZ0 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 and HT-40xZ0 are 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 and HT-40xZ0 are designed for Zone 0 Group IIC T4, and Zone 21 Group IIIB applications and can be marked

⊕ II 1G Ex ia IIC T4 Ga  
II 2D Ex ib IIIB T125°C Db

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 21 Group IIIB applications and can be marked

⊕ I M1/II 1G Ex ia I Ma / IIC T4/T3 Ga  
II 2D Ex ib IIIB T155°C Db

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.

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.

#### 16 Report Number

See Certificate History

#### 17 Specific Conditions of Use

None.

#### 18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.4.1	External effects
1.4.2	Aggressive substances, etc.

**19 Drawings and Documents**

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
HT-740	1 to 3	6	06/07/21	HT-400/450 Head Torch GA
HT-760	1 to 3	4	06/07/21	HT-600/HT-650 Head Torch GA
HT-940	1	5	22/08/22	Wolf Headtorch HT-400/HT-450
HT-960	1	4	22/08/22	Wolf Headtorch HT-600/HT-650 Circuit Details

The above drawings are common to, and held with, IECEx BAS 10.0023.

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
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None

**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.
Baseefa10ATEX0067X Issue 3	26 May 2017	This issue of the certificate permits a change to the body materials and confirms the addition of protection concept "op is". Specific Conditions of Use 1 & 2 have been added. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR17.0058/00 for project 16/0286.
Baseefa10ATEX0067X Issue 4	8 March 2018	This issue of the certificate permits inclusion of the model HT-40xZ0 to the certification. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR18.0037/00 for project 18/0113.
Baseefa10ATEX0067 Issue 5	20 October 2022	To confirm that the equipment meets the requirements of EN IEC 60079-0:2018. To permit minor drawing changes not affecting the original assessment and the removal of protection concept "op is". Specific Conditions of Use 1 & 2 have been removed. Additional LR03 & LR06 cells permitted.  The marking of equipment has been changed (see Schedule).  Report No. GB/BAS/ExTR22.0146/00 for Project 21/0492.
For drawings applicable to each issue, see original of that issue.		