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 Number: **Baseefa09ATEX0326X – Issue 5**

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: **Wolflite XT-****

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

6 Address: **Sheffield, S8 0YA**

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa09ATEX0326X 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 Baseefa, Notified Body number 1180, 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.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR17.0026/00**

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

EN 60079-0:2012+A11:2013 **EN 60079-11:2012** **EN 60079-28: 2015**

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 Baseefa Customer Reference No. **1112** Project File No. **16/0687**

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R S SINCLAIR PP D BRADLEY
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa09ATEX0326X – Issue 5**

15 Description of Product

The Wolflite XT-** is a handlamp designed for use in Zone 1, Zone 0, Zone 21 or Zone 20 hazardous areas. Some models are also suitable for Group I use.

It comprises a Nylon based static dissipative body with a rubber 2nd shot that provides visual detail and protection against mechanical shocks. The front lens is constructed from either anti-static coated 4mm polycarbonate, or from 4mm glass. A switch underneath the handle contains a magnet that operates a reed switch mounted inside the handlamp body. A custom Lithium Ion battery pack provides power for the electronic control circuit and up to four LEDs.

The Wolflite XT-** is designed to be charged in a safe area using the approved charger that has a maximum output voltage not exceeding 14V.

The 1st star is a number that denotes different sub models for operational purposes and does not affect the marking of the equipment. The 2nd star denotes versions with different codes:

Wolflite XT-** (2nd star < 5):	⟨Ex⟩ II 2GD	Ex ib op is IIC T4 Gb Ex ib op is IIIB T185°C Db ($-30°C \leq T_{amb} \leq +40°C$)
Group I variants may also be marked:	⟨Ex⟩ I M2	Ex ib op is I Mb
Wolflite XT-** (2nd star ≥ 5):	⟨Ex⟩ II 1GD	Ex ia op is IIC T4 Ga Ex ia op is IIIB T185°C Da ($-30°C \leq T_{amb} \leq +40°C$)
Group I variants may also be marked:	⟨Ex⟩ I M1	Ex ia op is I Ma

16 Report Number

GB/BAS/ExTR17.0026/00

17 Specific Conditions of Use

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.

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
1.2.7	LVD type requirements
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
XT-701	1	7	29/09/16	Approval – Wolflite XT Marking
XT-920	1	5	19/12/16	Approval – Wolflite XT Main LED PCB
XT-921	1	5	26/01/17	Approval – Wolflite XT Signal LED PCB

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
XT-711	1	4	14/05/15	Approval - Wolflite XT - General Arrangement
XT-801	1	1	24/11/09	Approval - Wolflite XT - Battery Pack Assembly
XT-802	1	3	21/10/10	Approval - Wolflite XT - Lamp Head and Cassette Assy
XT-810	1	3	07/07/10	Approval - Wolflite XT - Heatsink Assembly
XT-811	1	3	14/04/11	Approval - Wolflite XT - Controller PCB Assembly
XT-820	1	1	24/11/09	Approval - Wolflite XT - Battery Internal Assembly
XT-901	1	4	01/04/11	Approval - Wolflite XT - Control Circuit
XT-902	1	2	07/01/10	Approval - Wolflite XT - Battery Pack Circuit
XT-910	1	3	07/07/10	Approval - Wolflite XT - Control PCB Artwork
XT-930	1	3	6/7/10	Approval - Wolflite XT - Battery PCB
XT-940	1	3	24-02-10	Approval - Wolflite XT - Charger PCB

20 Certificate History

Certificate No.	Date	Comments
Baseefa09ATEX0326	28 January 2010	The release of the prime certificate. The associated test and assessment is documented in Test Reports GB/BAS/ExTR08.0117/00 and GB/BAS/ExTR08.0118/00.
Baseefa09ATEX0326 Issue 1	26 February 2010	This issue of the certificate incorporates the previously issued primary & this supplementary certificate into one certificate and permits minor electrical and mechanical changes that do not affect the existing certification as documented in Test Report GB/BAS/ExTR10.0039/00.
Baseefa09ATEX0326 Issue 2	21 July 2010	This issue permits minor electrical and mechanical changes that do not affect the existing certification as documented in Test Report GB/BAS/ExTR10.0078/00.
Baseefa09ATEX0326 Issue 3	18 April 2011	This issue permits minor electrical and mechanical changes that do not affect the existing certification. Mechanical changes have been introduced to permit some variants to be marked for Group I applications.
Baseefa09ATEX0326X Issue 4	15 June 2015	This issue of the certificate permits minor mechanical and electrical changes, the addition of protection against IIIB dusts including the addition of X conditions relating to the avoidance of build-up of dust layers, a reduction in the lower certification temperature from -20°C to -30°C, and confirms the current design meets the requirements of EN 60079-0: 2012 and EN 60079-11: 2012.
Baseefa09ATEX0326X Issue 5	7 February 2017	This issue of the certificates confirms that the equipment conforms to the requirements of EN60079-28: 2015 and permits the inclusion of "op is" in the equipment marking. The assessment is documented in test report GB/BAS/ExTR17.0026/00 for Project 16/0687.
For drawings applicable to each issue, see original of that issue.		