

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: **Baseefa09ATEX0326X – Issue 4**

4 Equipment or Protective System: **Wolflite XT-****

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

6 Address: **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's. **GB/BAS/ExTR13.0193/00**

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**

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

Baseefa Customer Reference No. **1112**

Project File No. **13/0158**

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R S SINCLAIR *for Alan Owen*

GENERAL MANAGER

On behalf of SGS Baseefa Limited

Re-issued 28 July 2015 to replace original

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Schedule

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Certificate Number Baseefa09ATEX0326X – Issue 4

15 Description of Equipment or Protective System

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 IIC T4 Gb Ex ib IIIB T185°C Db (-30°C ≤ T_{amb} ≤ +40°C)

Group I variants may also be marked: Ex I M2 Ex ib I Mb

Wolflite XT-** (2nd star ≥ 5): Ex II 1GD Ex ia IIC T4 Ga Ex ia IIIB T185°C Da (-30°C ≤ T_{amb} ≤ +40°C)

Group I variants may also be marked: Ex I M1 Ex ia I Ma

16 Report Number

GB/BAS/ExTR13.0193/00

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

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
XT-701	1	6	02/06/15	Approval - Wolflite XT - Marking
XT-711	1	4	14/05/15	Approval - Wolflite XT - General Arrangement
XT-920	1	4	19/01/15	Approval - Wolflite XT - Main LED PCB
XT-921	1	4	19/01/15	Approval - Wolflite XT - Signal LED PCB

This drawing is held with IECEx BAS 09.0153 issue 4.

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
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

Number	Sheet	Issue	Date	Description
XT-901	1	4	01/04/11	Approval - Wolfli XT - Control Circuit
XT-902	1	2	07/01/10	Approval - Wolfli XT - Battery Pack Circuit
XT-910	1	3	07/07/10	Approval - Wolfli XT - Control PCB Artwork
XT-930	1	3	6/7/10	Approval - Wolfli XT - Battery PCB
XT-940	1	3	24-02-10	Approval - Wolfli 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.
For drawings applicable to each issue, see original of that issue.		