



EC-TYPE EXAMINATION CERTIFICATE

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

1 EC-Type Examination Certificate Number : **BAS99ATEX1017**

2 Equipment or Protective System: **LITE TRACKER LT*****

3 Manufacturer: **THE WOLF SAFETY LAMP CO LTD**

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

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

6 The Electrical Equipment Certification Service, notified body number 600 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 N°

98(C)0932 dated 6 May 1999

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

EN 50014: 1997 EN 50020: 1994

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

8 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.

9 This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

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

 **II 1 G EEx ia IIC T4**

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

File No: EECS 1112/02/005

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
Tel: 01298 28000 Fax: 01298 28244



I M CLEARE
DIRECTOR
7 May 1999



13 **Schedule**

14 **EC-TYPE EXAMINATION CERTIFICATE N° BAS99ATEX1017**

15 **Description of Equipment or Protective System**

The Lite Tracker LT*** is a self- contained, battery powered device designed to operate as a high visibility flashing indicator.

The apparatus is a lightweight device comprising two AAA size primary cells and an encapsulated printed circuit board with two or three high output LEDs in a polycarbonate enclosure.

The certificate covers a range of variants which permit a different method of activation i.e. push button or water activated with time delay, different LED colour and various clip arrangements.

The on/off switch or water activation contacts are mounted in one end wall of the enclosure.

Any zinc carbon, zinc chloride or alkaline manganese AAA size cells may be used.

16 **Report Nos.**

98(C)0932 dated 7 May 1999

17 **SPECIAL CONDITIONS FOR SAFE USE**

None

18 **Essential Health and Safety Requirements**

ESSENTIAL HEALTH & SAFETY REQUIREMENTS not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.3	Special checking and maintenance conditions	Report No. 98(C)0932 clause 5.1.0.3
1.0.5	Marking	Report No. 98(C)0932 clause 5.1.0.5
1.0.6	Instructions	Report No. 98(C)0932 clause 5.1.0.6
1.1.1	Materials not to trigger off explosion	Report No. 98(C)0932 clause 5.1.1.1
1.1.2	Effect of explosive atmosphere on materials	Report No. 98(C)0932 clause 5.1.1.2
1.2.1	Design with regard to technological knowledge	Report No. 98(C)0932 clause 5.1.2.1
1.2.2	Components for incorporation or replacement	Report No. 98(C)0932 clause 5.1.2.2
1.2.3	Enclosed structures and prevention of leaks	Report No. 98(C)0932 clause 5.1.2.3
1.2.6	Safe opening	Report No. 98(C)0932 clause 5.1.2.6
1.2.7	Protection against other hazards	Report No. 98(C)0932 clause 5.1.2.7
1.4.1	Safe function in changing external conditions	Report No. 98(C)0932 clause 5.1.4.1
1.4.2	Withstanding attack by aggressive substances	Report No. 98(C)0932 clause 5.1.4.2
2.1.1	Category 1G	Report No. 98(C)0932 clause 5.2.1.1



13

Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS99ATEX1017

19

DRAWINGS

Number	Sheet	Issue	Date	Description
LT-702	-	2	23/02/99	General Arrangement
LT-703	-	1	22/02/99	General Arrangement (Blue, Green, White)
LT-803	-	1	22/02/99	Circuit Details - Push Button
LT-804	-	1	22/02/99	Circuit Details - Water Activated
LT-805	-	1	04/02/99	Circuit Details (Blue, Green, White)

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BASEEFA List Keywords
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1 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC-Type Examination Certificate Number: **BAS99ATEX1017/1**

4 Equipment or Protective System: **LITE TRACKER LT*****

5 Manufacturer: **THE WOLF SAFETY LAMP CO LTD**

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

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS99ATEX1017 to apply to equipment or protective systems 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.

This Supplementary Certificate shall be held with the original Certificate.

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

File No: EECS 1112/02/005

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
Tel: 01298 28000 Fax: 01298 28244

I M CLEARE
DIRECTOR
14 February 2000



13

Schedule

14

SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS99ATEX1017/1

Description of the Variation to the Equipment or Protective System

VARIATION 1.1

To permit minor changes to the component specifications.

Report No.

None

Special Conditions For Safe Use

None

Essential Health and Safety Requirements

See original certificate.

DRAWINGS

Number	Issue	Date	Description
LT-803	3	9/11/99	Circuit detail
LT-804	2	8/11/99	Circuit detail - water activated
LT-805	3	8/11/99	Circuit detail - push button

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1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

3 Supplementary EC - Type Examination Certificate Number: BAS99ATEX1017/2

4 Equipment or Protective System: LITE TRACKER LT***

5 Manufacturer: THE WOLF SAFETY LAMP CO LTD

6 Address: Sheffield, S8 0YA

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS99ATEX1017 to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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

Baseefa (2001) Ltd. Customer Reference No. 1112

Project File No. 03/0722

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa (2001) Ltd.

Health and Safety Laboratory Site, Harpur Hill,
Buxton, Derbyshire SK17 9JN
Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216
e-mail info@baseefa2001.biz web site www.baseefa2001.biz
Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,
Derbyshire, SK17 9BJ

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



Schedule

8 Description of the variation to the Equipment or Protective System

Variation 2.1

- To permit:
- i. a minor change to the circuit layout (C6 moved).
 - ii. introduction of a new circuit which permits selection of colour plus flashing or static modes, thus forming a Lite Tracker 2000 Series.

The above changes do not affect intrinsic safety.

9 Report Number

None.

10 Special Conditions for Safe Use

None.

11 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

12 Drawings and Documents

Number	Sheet	Issue	Date	Description
LT-805		4	10/07/03	Circuit Details – Lite Tracker
LT-806		1	06/08/03	Circuit details – Lite Tracker (LT2000 Series)
LT-702		4	06/08/03	General Arrangement – Lite Tracker