



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 **Baseefa02ATEX0181**
Number :

4 Equipment or protective system: **THE TORCHES TYPES T-2DC, T-2DCRA, T-3DC AND T-3DCRA**

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

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

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

8 Baseefa (2001) Ltd. 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. **02(C)0005 Dated 28 November 2002**

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

EN 50014:1997 + amendments 1&2, EN 50019:2000 and EN 50020:2002

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 of 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. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

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

⊕ II 2 G EEx e ib IIB T4

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

Baseefa (2001) Ltd. Customer Reference No. 1112

Project File No.02/0005

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.

R S SINCLAIR

DIRECTOR
On behalf of
Baseefa (2001) Ltd.

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

Schedule

15 Description of Equipment or Protective System

The torches Types T-2DC, T-2DCRA, T-3DC and T-3DCRA are 2 cell straight, 2 cell right angled, 3 cell straight and 3 cell right angled respectively. The torch body is plastic in all cases.

The cells used are R20 primary cells and the light source is a 2.4V 0.52A maximum Vacuum, Xenon or Krypton filled bulb for the 2 cell version and a 3.6V 0.5A maximum Vacuum, Xenon or Krypton filled bulb for the 3 cell version. Both these bulbs are of the pre-focus Type. They are housed in a thermoplastic housing and protected by a polycarbonate lens secured in position by a welded lens ring which effectively seals the lens. Both the lampholder with cam follower and lamp contact are spring loaded allowing the filament of the lamp to move relative to the reflector so achieving a focussing arrangement. The lamp housing assembly locates in a moulded contact assembly moulded in a thermoplastic from which it cannot be removed without the aid of a tool. This contact assembly may be straight or right angled.

Switching and focussing are achieved by rotating the lamp housing with respect to the contact assembly.

The cells are contained within the body of the torch again moulded in a thermoplastic. A thread is moulded onto the top of the body allowing the contact assembly to be screwed onto the body so forming the complete torch. The cells are replaced by unscrewing the contact assembly and feeding them into the torch body. Contact is achieved by a spring in the base of the body and a metallic strip running the length of the body in a moulded in groove. This contact is connected to the metallic cam plate. The other, centre contact, is made via a riveted on contact strip.

Ingress protection of at least IP54 is achieved by an 'O' ring seal between the contact assembly body and the lamp housing body and the use of a cemented or ultrasonically welded end cap.

16 Report No.

02(C)0005 Dated 28 November 2002

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

None additional to those covered by the standards listed at item 9

19 Drawings and Documents

Number	Issue	Date	Description
TA-701	1	30/08/02	Label detail
TA-702	1	30/08/02	Right angled torch assembly
TA-703	1	30/08/02	Straight torch assembly