



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: **Baseefa07ATEX0091**

4 Equipment or Protective System: **TR-40 and TR-45 LED Torches**

5 Manufacturer: **Wolf Safety Company Limited**

6 Address: **Saxon Road Works, 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 (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. **06(C)0643**

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


EN60079-0:2004 EN50020:2002 EN 61241-0:2006 EN 61241-1:2004

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**

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

Baseefa Customer Reference No. **1112**

Project File No. **06/0643**

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

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Baseefa is a trading name of Baseefa (2001) Ltd
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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.

Re-issued: 21 May 2007 to replace original



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Schedule

14

Certificate Number Baseefa07ATEX0091

15 Description of Equipment or Protective System

The TR-40 and TR-45 LED Torches are hand held units designed to provide illumination using 4 AA primary cells and a single high power LED.

The TR-40 and TR-45 comprise 4 AA primary batteries inside a cylindrical thermoplastic enclosure, and a right angled head holding a single high intensity LED and reflector assembly. Some variants also include a low battery power indicator.

The TR-40 is coded:- Ex I M2/II 2GD Ex ib I/IIC T3/T4 tD A21 IP67 T85°C

The TR-45 is coded:- Ex I M1/II 1G Ex ia I/IIC T3/T4 IP67

When the torches are used with batteries of type zinc-chloride, zinc-carbon, Duracell Plus, Duracell Procell, Energiser Ultra+ or Energiser Industrial, the Temperature Class is T4.

When using alkaline-manganese batteries of size LR6 or AA that are not specified above, the Temperature Class is T3

16 Report Number

06(C)0643

17 Special Conditions for Safe Use

None

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

Number	Sheet	Issue	Date	Description
TP740	1	1	28/11/06	Wolf Primary Cell LED Torch
TP840	1	1	28/11/06	Primary Cell LED Torch - Cassette
TP940	1	1	13/11/06	Primary Cell LED Torch – Cassette Circuit

These drawings are common to and held with IECEx BAS 06.0089.