

Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

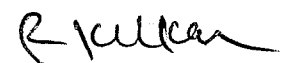
This certificate is issued to:

PRODUCER	Wolf Safety Lamp Company Ltd
PLACE OF PRODUCTION	Saxon Road Works Sheffield, S8 0YA United Kingdom (UK)
DESCRIPTION	Rechargeable battery powered safety handlamp
TYPE	Wolflite XT-**
APPLICATION	For use in Zone 1 or Zone 0 hazardous areas
STANDARDS	EN 60079-0:2006 EN 60079-11:2007 EN 60079-26:2007
RATINGS	Wolflite XT-** (2 nd star < 5): Ⓢ II 2G Ex ib IIC T4 Gb Group 1 variants may also be marked: Ⓢ IM2 Ex ib IMb Wolflite XT-** (2 nd star ≥ 5): Ⓢ II 1G Ex ia IIC T4 Ga Group 1 variants may also be marked: Ⓢ IM1 Ex ia I Ma
OTHER CONDITIONS	Charge only in non-hazardous (safe) areas using the approved charger that has a maximum output voltage not exceeding 14 V.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 12/00002 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	12/00002
Issue Date	7 February 2012
Expiry Date	6 February 2017
Sheet	1 of 1



R.M. Kelkar
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Document number 12/00002
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 7 February 2012	Quote this reference on all future communications LDSO/ETS/RMK/WP8000874/W02817518
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.
Issued to: WOLF SAFETY LAMP COMPANY LTD
for: RECHARGEABLE BATTERY POWERED SAFETY HANDLAMP
Type: WOLFLITE XT-**
TYPE APPROVAL CERTIFICATE No. 12/00002

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request form 06.07.2011

TEST REPORTS

Baseefa Certificate No. Baseefa09ATEX0326 Issue 3 18.04.2011
IECEX Certificate of Conformity No. IECEX BAS 09.0153 Issue 3 28.04.2011
LR Production Facility Inspection Report 18.11.2011

DRAWINGS

Wolflite XT Handlamp Operation and Maintenance Instructions No. XT-475 Issue 1 -
Wolflite XT Handlamp Instruction Diagrams -
Wolflite XT Marking - Drawing No. XT-701 17.03.2011
Wolflite XT General Arrangement - Drawing No. XT-711 26.10.2010
Wolflite XT Lamp Head and Cassette Assembly - Drawing No. XT-802 21.10.2010
Wolflite XT Controller PCB Assembly - Drawing No. XT-811 14.04.2011
Wolflite XT Control Circuit - Drawing No. XT-901 01.04.2011

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

R. M. Kelkar
Senior Surveyor
London Design Support Office

Part 1B
Subject: Electrical Equipment (Not Environmentally Tested)
Product: Safety Apparatus (Part 1B)

Producer/Licence No.	Description of Product			Cert. No.	
	Type	Details of Approval	Application		Remarks
Wolf Safety Lamp Company Ltd, Saxon Road Works, Sheffield, S8 0YA, United Kingdom (UK).	Wolfite XT-**	Rechargeable battery powered safety handlamp Wolfite XT-** (2 nd star < 5): (Ex) II 2G Ex ib IIC T4 Gb Group 1 variants may also be marked: (Ex) I M2 Ex ib I Mb Wolfite XT-** (2 nd star ≥ 5): (Ex) II 1G Ex ia IIC T4 Ga Group 1 variants may also be marked: (Ex) I M1 Ex ia I Ma Charge only in non-hazardous (safe) areas using the approved charger that has a maximum output voltage not exceeding 14 V.	For use in Zone 1 or Zone 0 hazardous areas	Expires: 6 February 2017	12/00002

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