



Type Approval Certificate Extension

This is to certify that Certificate No. 01/00102(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Wolf Safety Lamp Company Ltd
PLACE OF PRODUCTION	Saxon Road Works Sheffield, S8 0YA United Kingdom (UK)
DESCRIPTION	Primary cell powered safety handlamp
TYPE	H-4DCA
APPLICATION	Zone 1 and Zone 2 of potentially explosive gas, vapour and mist atmospheres and Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine and offshore industries.
STANDARDS	EN 60079-0:2006 EN 60079-7:2007 EN 60079-11:2007 EN 61241-0:2006 EN 61241-1:2004
RATINGS	Code: II 2 GD Ex eib IIC T4 Gb Ex tD A21 IP66 T135°C Db Ambient Temp.: -20° C to +40° C Enclosure: IP 66 Bulb: 4.8 V min.at 0.5 A max. HPR (Halogen) only
OTHER CONDITIONS	Handlamp to be opened only in non-hazardous (safe) areas.
Certificate No.	01/00102(E2)
Issue Date	26 January 2012
Expiry Date	3 July 2016
Sheet	1 of 2

R.M. Kelkar
London Design Support Office
Lloyd's Register EMEA

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"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 attached Design Appraisal Document No. 01/00102(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 01/00102(E1) to which this extension should be attached.

Certificate No.	01/00102(E2)
Issue Date	26 January 2012
Expiry Date	3 July 2016
Sheet	2 of 2

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 26 January 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: PRIMARY CELL POWERED SAFETY HANDLAMP

Type: H-4DCA
TYPE APPROVAL CERTIFICATE No. 01/00102(E2)

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.

ADDITIONAL APPROVAL DOCUMENTATION

Request form 06.07.2011
Operation and Maintenance Instructions (H-136 issue 4) -

DRAWINGS

Wolflite Handlamp H-4DCA ATEX – General Assembly Drawing No. DC - 710 13.10.2009

TEST REPORTS

IECEX Certificate of Conformity No. IECEX TSA 05.0017X Issue 1 03.12.2009
Baseefa Certificate No. BAS00ATEX2203 Issue 1 23.11.2009

Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificate Nos. 01/00102 and 01/00102(E1).

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	
Wolf Safety Lamp Company Ltd, Saxon Road Works, Sheffield, S8 0YA, United Kingdom (UK).	Wolflite H-4DCA	Primary cell powered safety handlamp Handlamp to be opened only in non-hazardous (safe) areas	For use in Zone 1 and Zone 2 of potentially explosive gas, vapour and mist atmospheres and Zone 21 and Zone 22 of potentially explosive dust atmospheres in the Marine and Offshore industries.	Expires: 3 July 2016 Code: II 2 GD Ex eib IIC T4 Gb Ex tD A21 IP66 T135°C Db Enclosure: IP 66 Ambient Temp.: -20° C to +40° C Bulb: 4.8 V minimum at 0.5 A maximum HPR (Halogen) only

R. K. Khan