



Type Approval Certificate Extension

This is to certify that Certificate No. 86/00089(E4) 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 ⁽¹⁾ powered safety handlamp ⁽¹⁾ <i>The use of alkaline-manganese primary cells is forbidden</i>
TYPE	Wolflite H-4 DC
APPLICATION	For use in Zone 1 and Zone 2 hazardous areas within Marine, Petrochemical and Offshore installations

"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. 86/00089(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 86/00089(E4) to which this extension should be attached.

Certificate No.	86/00089(E5)
Issue Date	20 January 2012
Expiry Date	5 December 2016
Sheet	1 of 1

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

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 20 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: WOLFLITE H-4DC
TYPE APPROVAL CERTIFICATE No. 86/00089(E5)**

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
Wolf email	12.08.2011

TEST REPORTS

Baseefa Supplementary Certificate No. Ex 843292/14	11.10.2006
LR Production facility inspection report	18.11.2011

Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificate Nos. 86/00089, 86/00089(E1), 86/00089(E2), 86/00089(E3) and 86/00089(E4).

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).	Wolfliite H-4 DC	Primary cell ⁽¹⁾ operated safety handlamp. ⁽¹⁾ <i>The use of alkaline-manganese primary cells is forbidden</i>	For use in Zone 1 and Zone 2 hazardous areas within the Marine, Petrochemical and Offshore Industries.	Expires: 5 December 2016 Code: EEx e ib IIB T4 T. amb = 50° C	86/00089(E5)

R. Kellan