

Type Approval Certificate Extension

This is to certify that Certificate No. 86/00097(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

Rechargeable battery operated safety handlamp

TYPE

Wolflite H-251 MK1

Wolflite H-251 MK2

APPLICATION

For use in Zone 1 and Zone 2 hazardous areas of marine, offshore and

industrial installations where potentially explosive gas and vapour

atmospheres exist.

OTHER CONDITIONS

Not for use in chemical tankers carrying a cargo having an automatic

ignition temperature below 170°C.

"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. 86/00097(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 86/00097(E4) to which this extension should be attached.

Certificate No.

86/00097(E5)

Issue Date

27 January 2012

Expiry Date

5 December 2016

Sheet

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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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|---------------------------------|--|
| Document number 86/00097(E5) | |
| Issue number 1 | |

DESIGN APPRAISAL DOCUMENT

| Date | Quote this reference on all future communications |
|-----------------|---|
| 27 January 2012 | LDSO/ETS/RMK/WP8000874/W02817518 |

LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002. Issued to: WOLF SAFETY LAMP COMPANY LTD for: RECHARGEABLE BATTERY OPERATED SAFETY HANDLAMP Type: WOLFLITE H-251 MK1 AND H-251 MK2

TYPE APPROVAL CERTIFICATE No. 86/00097(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 Operation and Maintenance instructions H-132 Issue 2 | Undated |
| | |

DRAWINGS

| Wolflite Handlamp H – 251 mk 1, Drawing No. W1 - 701 | 04.03.2009 |
|--|------------|
| Wolflite Handlamp H – 251 mk 2, Drawing No. W2 - 701 | 04.03.2009 |

TEST REPORTS

Baseefa Certificate (Variation No. Ex 81142/8)

07.05.2009

Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificate Nos. 86/00097, 86/00097(E1), 86/000097(E2), 86/000097(E3) and 86/00097(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.

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R. M. Kelkar Senior Surveyor London Design Support Office

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

| | | Cert. No. | 86/00097(E5) | | | | |
|------|------------------------|---------------------|---|---|--|---|--|
| | | Remarks | Expires: 5 December 2016 | Code: EEx es II T3 T.amb = 65° C | | Wolflite H-251 Mk 1 Handlamp to be opened only in non-hazardous areas, and not left open longer than is necessary to change a battery or halb | Wolflite H-251 Mk 2 Handlamp battery shall be charged only in the safe area using designated battery charger. |
| | uct | Application | For use in Zone 1 and Zone 2 hazardous areas of marine, | offshore and industrial installations where potentially | explosive gas and vapour atmospheres exist. | Not for use in chemical tankers carrying a cargo having an automatic ignition temperature below 170°C. | |
| . K) | Description of Product | Details of Approval | Rechargeable battery operated safety handlamp | | | | |
| | | Type | Wolflite H-251 Mk 1 | | And | Wolflite H-251 Mk 2 | |
| | Producer/Licence No | | Wolf Safety Lamp Company Ltd, | Sheffield, S8 0YA, | Onica Ningaom (UK). | | |

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