

Type Approval Certificate Extension

This is to certify that Certificate No. 01/00102 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 50014: 1997 EN 50019: 2000 EN 50020: 1993 EN 50281-1-1: 1998
RATINGS	Code: II 2 GD EEx eib IIC T4 IP66 T135° C 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.

"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."

Certificate No.	01/00102(E1)
Issue Date	5 August 2006
Expiry Date	3 July 2011
Sheet	1 of 2

M. A. Rufaie

M.H.A. Rufaie
London Design Support Services
Lloyd's Register EMEA

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



The attached Design Appraisal Document No. 01/00102(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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

Certificate No.	01/00102(E1)
Issue Date	5 August 2006
Expiry Date	3 July 2011
Sheet	2 of 2

M.H.A. Rufaie
London Design Support Services
Lloyd's Register EMEA

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