

Type Approval Certificate

This is to certify that the undernoted product(s) has/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 Safety Torch/Flashlight	
TYPE	Wolf ATEX R5X (50 or 55)	
APPLICATION	<p>R-50: 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.</p> <p>R-55: Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres in the marine and offshore industries.</p>	
SPECIFIED STANDARDS	EN 60079-0: 2004 EN 50020: 2002 EN 61241-1: 2004	EN 60079-7: 2003 EN 61241-0: 2004

RATING

Model	Code	Ambient Temperature	Bulb
R-50	II 2 GD T85°C Ex ib IIC T4 tD A21 IP67	- 20° C to + 40° C	High Power LED: 3 W
R-55	II 1 G Ex ia IIC T4 IP67	- 20° C to + 40° C	High Power LED: 3 W

Certificate No.	08/00036
Issue Date	23 August 2008
Expiry Date	22 August 2013
Sheet	1 of 2



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

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OTHER CONDITIONS Torch 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."

The Design Appraisal Document No. 08/00036 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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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).	Wolf ATEX R5X (50 or 55)	Rechargeable Safety Torch/Flashlight <u>R-50</u> Code: II 2 GD T85°C Ex ib IIC T4 tD A21 IP67 Ambient Temperature: -20° C to +40° C Bulb: High Power LED, 3 W <u>R-55</u> Code: II 1 G Ex ia IIC T4 IP67 Ambient Temperature: -20° C to +40° C Bulb: High Power LED, 3 W Torch to be opened only in non-hazardous (safe) areas.	<u>R-50</u> 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. R-55 Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres in the marine and offshore industries.	Expires: 22 August 2013 Complies with: EN 60079-0: 2004 EN 60079-7: 2003 EN 50020: 2002 EN 61241-0: 2004 EN 61241-1: 2004	08/00036

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