



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 08/00036(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	Rechargeable Safety Torch/Flashlight
TYPE	Wolf ATEX R-50/R-55
APPLICATION	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 industries. R-55: Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres and Zone 20, Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine industries.
SPECIFIED STANDARDS	EN 60079-0:2012 + A11:2013 EN 60079-11:2012

Certificate No.	08/00036(E2)
Issue Date	24 September 2015
Expiry Date	22 August 2018
Sheet	1 of 2

Lloyd's Register EMEA

Global Technology Centre, Boldrewood Innovation Campus, Burgess Road, Southampton, SO16 7QF

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P.A. Huntley-Hawkins
Marine Technology & Engineering Services
Lloyd's Register EMEA

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RATING

Model	Code	Ambient Temperature	Bulb
R-50	I M2 /II 2GD Ex ib I Mb/IIC T4 Gb Ex ib IIIB T200°C Db IP67	-40°/-30°/-20°C to +40°C	High Power LED: 3 W
R-55	I M1 /II 1GD Ex ia I Ma/IIC T4 Ga Ex ia IIIB T200°C Da IP67	-40°/-30°/-20°C to +40°C	High Power LED: 3 W

Primary cell versions may use only the following cell types:
 - any R6/AA size zinc-chloride or zinc-carbon cells, or
 - LR6/AA size batteries of type Duracell Plus, Duracell Procell, Duracell Industrial, Energizer Ultra+ or Energizer Industrial

OTHER CONDITIONS

The equipment is to be opened and charged only in non-hazardous (safe) areas.
 Dust layers must be prevented from building up on the equipment.
 The equipment must not be left energised and unattended in Zone 20 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 attached Design Appraisal Document No. 08/00036(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 08/00036(E1) to which this extension should be attached.

Certificate No. 08/00036(E2)
Issue Date 24 September 2015
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Sheet 2 of 2



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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 R-50 / R-55	Rechargeable Safety Torch/Flashlight <u>R-50</u> Code: I M2 / II 2GD Ex ib I Mb/II C T4 Gb Ex ib IIIB T200°C Db IP67 Ambient Temperature: -40° / -30° / -20°C to +40°C Bulb: High Power LED, 3 W <u>R-55</u> Code: I M1 / II 1GD Ex ia I Ma/II C T4 Ga Ex ia IIIB T200°C Da IP67 Ambient Temperature: -40° / -30° / -20°C to +40°C Bulb: High Power LED, 3 W Primary cell versions may use only the following cell types: - any R6 / AA size zinc-chloride or zinc-carbon cells, or - LR6 / AA size batteries of type Duracell Plus, Duracell Procell, Duracell Industrial, Energizer Ultra+ or Energizer Industrial OTHER CONDITIONS: The equipment is to be opened and charged only in non-hazardous (safe) areas. Dust layers must be prevented from building up on the equipment. The equipment must not be left energised and unattended in Zone 20 areas.	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. R-55: Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres and Zone 20, Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine industries.	Expires: 22 August 2018 Complies with: EN 60079-0:2012 + A11:2013 EN 60079-11:2012	08/00036(E2)

G.A. ~~Thompson~~ - 

24 September 2015