



Type Approval Certificate Extension

This is to certify that Certificate No. 08/00036 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 and offshore industries. R-55: Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres in the marine and offshore industries.	
SPECIFIED STANDARDS	EN 60079-0:2006 EN 60079-11:2007	EN 61241-0:2006 EN 61241-1:2004

Certificate No.	08/00036(E1)
Issue Date	6 August 2013
Expiry Date	22 August 2018
Sheet	1 of 2

P.A. Huntley-Hawkins

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RATING

Model	Code	Ambient Temperature	Bulb
R-50	I M2 / II 2GD T85°C Ex ib I/IIC T3/T4 tD A21 IP67 T85°C	- 20° C to + 40° C	High Power LED: 3 W
R-55	I M1 / II 1G Ex ia I/IIC T3/T4 IP67	- 20° C to + 40° C	High Power LED: 3 W

T4. Secondary cell versions are considered to have a Temperature Class of

Primary cell versions used with any R6/AA size zinc-chloride or zinc-carbon cells, or used with LR6/AA size batteries of type Duracell Plus, Duracell Procell, Energiser Ultra+ or Energiser Industrial are considered to have a Temperature Class of T4.

Primary cell versions used with any other LR6/AA sized alkaline-manganese cells that are not specified above are considered to have a Temperature Class of T3.

OTHER CONDITIONS Torch to be opened and charged 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 attached Design Appraisal Document No. 08/00036(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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

Certificate No. 08/00036(E1)
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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		
<p>Wolf Safety Lamp Company Ltd, Saxon Road Works, Sheffield, S8 0YA, United Kingdom (UK).</p>	<p>Rechargeable Safety Torch/ Flashlight</p> <p>R-50 Code: I M2 / II 2GD T85°C Ex ib I/ IIC T3/ T4 td A21 IP67 T85°C Ambient Temperature: -20° C to +40° C Bulb: High Power LED, 3 W</p> <p>R-55 Code: I M1 / II 1G Ex ia I/ IIC T3/ T4 IP67 Ambient Temperature: -20° C to +40° C Bulb: High Power LED, 3 W</p> <p>Secondary cell versions are considered to have a Temperature Class of T4.</p> <p>Primary cell versions used with any R6/ AA size zinc-chloride or zinc-carbon cells, or used with LR6/ AA size batteries of type Duracell Plus, Duracell Procell, Energiser Ultra+ or Energiser Industrial are considered to have a Temperature Class of I4.</p> <p>Primary cell versions used with any other LR6/ AA sized alkaline-manganese cells that are not specified above are considered to have a Temperature Class of T3.</p> <p>Torch to be opened and charged only in non-hazardous (safe) areas.</p>	<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>	<p>Expires: 22 August 2018</p> <p>Complies with: EN 60079-0:2006 EN 60079-11:2007 EN 61241-0:2006 EN 61241-1:2004</p>	<p>08/00036(EI)</p>	

S.A. Sheehy - Sheehy

07 August 2013