



## Type Approval Certificate Extension

This is to certify that Certificate No. 08/00037 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Wolf Safety Lamp Company Ltd	
<b>PLACE OF PRODUCTION</b>	Saxon Road Works Sheffield, S8 0YA United Kingdom (UK)	
<b>DESCRIPTION</b>	Primary Cell Powered Safety Torch/Flashlight	
<b>TYPE</b>	Wolf ATEX TR-40 / TR-45	
<b>APPLICATION</b>	TR-40: 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.  TR-45: Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres in the marine and offshore industries.	
<b>SPECIFIED STANDARDS</b>	EN 60079-0:2006 EN 60079-11:2007	EN 61241-0:2006 EN 61241-1:2004

<b>Certificate No.</b>	08/00037(E1)
<b>Issue Date</b>	6 August 2013
<b>Expiry Date</b>	22 August 2018
<b>Sheet</b>	1 of 2

*P.A. Huntley-Hawkins*

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## RATING

Model	Code	Ambient Temperature	Bulb
TR-40	1 M2/II 2GD Ex ib I/II C T3/T4 tD A21 IP67 T85°C	- 20° C to + 40° C	High Power LED: 1.4 W
TR-45	1 M1/II 1G Ex ia I/II C T3/T4 IP67	- 20° C to + 40° C	High Power LED: 1.4 W

When the torches are used with batteries of type zinc-chloride, zinc-carbon, Duracell Plus, Duracell Procell, EnergiserUltra+ or Energiser Industrial, the Temperature Class is T4.

When using alkaline-manganese batteries of size LR6 or AA that are not specified above, the Temperature Class is T3.

**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 attached Design Appraisal Document No. 08/00037(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 08/00037 to which this extension should be attached.

Certificate No. 08/00037(E1)  
Issue Date 6 August 2013  
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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).	Primary Cell Powered Safety Torch/Flashlight TR-40 Code: T185°C Ambient Temperature: -20° C to +40° C Bulb: High Power LED, 1.4 W  TR-45 Code: 1 M1/II 1G Ex ia I/II C T3/T4 IP67 Ambient Temperature: -20° C to +40° C Bulb: High Power LED, 1.4 W Torch to be opened only in non-hazardous (safe) areas. When the torches are used with batteries of type zinc-chloride, zinc-carbon, Duracell Plus, Duracell Procell, Energiser Ultra+ or Energiser Industrial, the Temperature Class is T4. When using alkaline-manganese batteries of size LR6 or AA that are not specified above, the Temperature Class is T3.	TR-40 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.  TR-45 Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres in the marine and offshore industries.	Expires: 22 August 2018 Complies with: EN 60079-0:2006 EN 60079-11:2007 EN 61241-0:2006 EN 61241-1:2004	08/00037(EI)	

*S.A. Sheehy - Head of*

07 August 2013