



Lloyd's  
Register

## Type Approval Certificate Extension

*This is to certify* that Certificate No. 04/00046(E1) 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>	Compressed Air Powered Lamp
<b>TYPE</b>	Wolf ATEX Turbolite Range A-TL44A - Baylight (Aluminium Construction) A-TL44B - Baylight (Brass Construction) A-TL45A - Floodlight (Aluminium Construction) A-TL45B - Floodlight (Brass Construction)
<b>APPLICATION</b>	Group II surface applications in the marine and offshore industries, as Category 2 equipment, for zone 1 & 2 potentially explosive gases, vapours, mists and dust, where T4 temperature class permits
<b>STANDARDS</b>	EN 50014: 1997 EN 50018: 2000 EN 50019: 2000 EN 1127-1: 1997 EN 13463-1: 2001 EN 50281-1-1: 1998
<b>Certificate No.</b>	04/00046(E2)
<b>Issue Date</b>	26 June 2014
<b>Expiry Date</b>	15 June 2019
<b>Sheet</b>	1 of 2

R.M. Kelkar  
Marine Technology & Engineering Services, London  
Lloyd's Register EMEA

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**RATINGS**

Code:  $\text{Ex}$  II 2 GD II T4 (Ta = 55°) T135°C  
Ambient Temp.: -20° C to +55° C  
Enclosure: IP 66 (when running)  
Enclosure: IP 40 (when not running)  
Compressed air driving integral turbine generator (pressure): 5 to 8 bar  
Lamp: 24 V 250 W (halogen)

**OTHER  
CONDITIONS**

1. The equipment shall only be supplied with air from a clean , dry source that is free from contamination with hazardous gas, dust or fibres.
2. When the equipment is used in the presence of combustible dust, the air outlet shall be fitted with additional hose so that it is piped to a safe area instead of venting into the hazardous area.
3. The hoses that are fitted to this equipment shall be anti-static with a resistance between  $10^4$  and  $10^8$  ohms.
4. Air supply should be shut off for at least two minutes before dismantling.

*"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. 04/00046(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 04/00046(E1) to which this extension should be attached.

**Certificate No.** 04/00046(E2)  
**Issue Date** 26 June 2014  
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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	
<b>Wolf Safety Lamp Company Ltd,</b> <b>Saxon Road Works,</b> <b>Sheffield, S8 0YA,</b> <b>United Kingdom (UK).</b>	Compressed Air Powered Lamp. (ATEX Turbolite Range)  <u>Types</u> A-TL44A, A-TL44B, A-TL45A, A-TL45B	Code: Ex II 2 GD II T4 (Ta = 55°) T135°C Ambient Temp.: - 20° C to +55° C Enclosure: IP 66 (when running) Enclosure: IP 40 (when not running) Compressed air driving integral turbine generator (pressure): 5 to 8 bar Lamp: 24 V 250 W (halogen)	Group II surface applications in the marine and offshore industries, as Category 2 equipment, for zone 1 & 2 potentially explosive gases, vapours, mists and dust, where T4 temperature class permits.	Expires: 15 June 2019  EN 50014: 1997 EN 50018: 2000 EN 50019: 2000 EN 1127-1: 1997 EN 13463-1: 2001 EN 50281-1-1: 1998  Refer to Certificate for applicable conditions	04/00046(E2)

*R Kelkan*