

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 LR Type Approval System.

This certificate is issued to:

PRODUCER	Wolf Safety Lamp Co. Ltd.
PLACE OF PRODUCTION	Saxon Road Works Sheffield, S8 0YA United Kingdom (UK)
DESCRIPTION	Compressed Air Powered Lamp
TYPE	Wolf ATEX Turbolite Range A-TL44A - Baylight (Aluminium Construction) A-TL44B - Baylight (Brass Construction) A-TL45A - Floodlight (Aluminium Construction) A-TL45B - Floodlight (Brass Construction)
APPLICATION	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
STANDARDS	EN 50014: 1997 EN 50018: 2000 EN 50019: 2000 EN 1127-1: 1997 EN 13463-1: 2001 EN 50281-1-1: 1998
RATINGS	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)
Certificate No.	04/00046
Issue Date	16 June 2004
Expiry Date	15 June 2009
Sheet	1 of 2



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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 Design Appraisal Document No. 04/00046 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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