



## 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 Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Wolf Safety Lamp Company</b>
<b>Address</b>	Saxon Road Works, Sheffield, South Yorkshire, S8 0YA, United Kingdom
<b>Type</b>	Safety Apparatus
<b>Description</b>	Primary Cell Powered Safety Torch/Flashlight TYPE Wolf ATEX TS-30, TR-30, TS-35, TR-35. A suffix Letter/number/symbol may be added
<b>Trade Name</b>	Wolf ATEX TS-30, TR-30, TS-35, TR-35
<b>Application</b>	TS-30 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 industry  TR-30 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 industry  TS-35 Zone 0, Zone 1 and Zone 2 of potentially explosive gas, vapour and mist atmospheres , Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine industry

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TR-35 Zone 0, Zone 1 and Zone 2 of potentially explosive gas, vapour and mist atmospheres, Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine industry

**Specified Standard** EN IEC 60079-0:2018  
EN 60079-11:2012

**Other Conditions** Torch to be opened only in non-hazardous (safe) areas

Fit specific Primary cells /batteries for above rating in accordance with Baseefa Certificate Number Baseefa07ATEX0091 Issue 6

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.

**Previous Version:** 08/00037(E3), LR23380101TA

The Design Appraisal Document LR23380101TA-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR23380101TA-03**

**Appendix**

Model	Code	Bulb
TS-30	IM2/II 2GD Ex ib I Mb/IIC T4 Gb - 20°C≤Ta≤40/55°C Ex ib IIIB T130°C Db IP67	High Power LED Module
TR-30	IM2/II 2GD Ex ib I Mb/IIC T4 Gb - 30°C≤Ta≤40/55°C Ex ib IIIB T130°C Db IP67	High Power LED Module
TS-35	IM1/II 1G2D Ex ia I Ma/IIC T4 Ga - 20°C≤Ta≤40/55°C Ex Ex ib IIIB T130°C Db IP67	High Power LED Module
TR-35	IM1/II 1G2D Ex ia I Ma/IIC T4 Ga - 30°C≤Ta≤40/55°C Ex ib IIIB T130°C Db IP67	High Power LED Module