



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 08/ 00037(E2) 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	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
APPLICATION	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 and Zone 20, Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine industry TR-35 Zone 0, Zone 1 and Zone 2 of potentially explosive gas, vapour and mist atmospheres and Zone 0, Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine industry

Certificate No.	08/ 00037(E3)
Issue Date	1 November 2018
Expiry Date	31 October 2023
Sheet	1 of 2



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SPECIFIED STANDARDS EN-60079-0:2012: + A 11:2013
EN-60079-11:2012
EN 60079-28:2015

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

OTHER CONDITIONS

Torch to be opened only in non-hazardous (safe) areas
Dust layers must be prevented from building up on equipment
The equipment must not be left energised and unattended in zone 20 areas

Fit specific Primary cells/ batteries for above rating in accordance with Baseefa Certificate Number Baseefa07A TEX0091X Issue 5

"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(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate

All other details remain as the previous Certificate No. 08/ 00037(E2) to which this extension should be attached.

Certificate No. 08/ 00037(E3)
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Sheet 2 of 2



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