



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.

Manufacturer	Wolf Safety Lamp Company Ltd
Address	Saxon Road Works, Sheffield, S8 0YA, United Kingdom
Type	Safety Apparatus
Description	Midi Torch M-8x Compact Torches TR-6x TS-6x
Trade Name	Wolf Safety - ATEX Safety Torches
Application	Applications in the marine and offshore industries including areas with potentially explosive gases, vapours, mists and dust, where T3/T4 temperature class permits, and potentially explosive dusts where the maximum stated surface temperature permits.
Specified Standard	EN IEC 60079-0-2018 IEC 60079-11:2012

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Ratings

M-8x (x<5)	
Code:	I M2/II 2GD Ex ib Mb Ex ib IIB/IIC T3/T4 Gb Ex ib IIIB T200°C Db
Ambient Temp:	-40°C to +40°C
Enclosure:	IP64
Lamp:	3W (LED)
M-8x (x>=5)	
Code:	I M1/II 1G 2D Ex ia I Ma Ex ia IIC T3/T4 Ga Ex ib IIIB T200°C Db
Ambient Temp:	-40°C to +40°C
Enclosure:	IP64
Lamp:	3W (LED)

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TR/TS-6x (x<5)

Code: I M2/II 2GD
Ex ib I Mb
Ex ib IIC T3/T4 Gb
Ex ib IIIB T200°C Db
Ambient Temp: -30°C to +40°C
Enclosure: IP67
Lamp: 3W (LED)

TR/TS-6x (x>=5)

Code: I M1/II 1G 2D
Ex ia I Ma
Ex ia IIC T3/T4 Ga
Ex ib IIIB T200°C Db
Ambient Temp: -30°C to +40°C
Enclosure: IP67
Lamp: 3W (LED)

Other Conditions

See hazardous area certificates for suitable battery cell type to be used in specific areas.
Batteries are not to be replaced in hazardous area.

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: N/A

The Design Appraisal Document LR2428320TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.