

1 **UNITED KINGDOM CONFORMITY ASSESSMENT**
2 **UK TYPE EXAMINATION CERTIFICATE**

3 **Product Intended for use in Potentially Explosive Atmospheres**
4 **UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

5 Type Examination Certificate Number: **ExVeritas 24 UKEX 1827X** Issue: **0**

6 Product: **TY Series Portable LED Light**

7 Manufacturer: **Wolf Safety Lamp Company Ltd.**

8 Address: **Saxon Road Works, Sheffield, South Yorkshire, S8 0YA, United Kingdom**

9 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

10 ExVeritas Limited Approved Body number 2585, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

11 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN IEC 60079-7:2015+AMD1:2017 EN 60079-18:2015+A1:2018 EN IEC 60079-31:2024

Except in respect of those requirements listed at section 16 of the schedule to this certificate.

12 If the sign “X” is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

13 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

14 The marking of the equipment shall include the following:



II 2 G Ex eb mb IIC T4 Gb

II 2 D Ex tb IIIC T T80°C Db



No. 8613

On behalf of ExVeritas



S Clarke CEng MSc FIET
Managing Director

This certificate may only be reproduced in its entirety and without any change, schedule included.

The status of this certificate can be verified at www.exveritas.com

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.

Schedule

13 Description of Product

The TY-300 portable LED light range is intended for use in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas as a semi-fixed portable light. The TY-300 is suitable for hand-held usage, or suspension from the two swivel hooks located at either end of the fitting.

It is available in two sizes, each with different power inputs. The larger size has the option of through wiring for an inter-linkable lighting system. The model types are as shown below:

Type	Voltage	Frequency	Current	Ambient Temperature Limits	Gas Temperature Class	Dust Surface Temperature
TY-300/18/110	88 - 140 V	50-60 Hz	0.2 A	-20 to +40 °C	T4	T80°C
TY-300/18/230	180 - 277 V	50-60 Hz	0.1 A	-20 to +40 °C	T4	T80°C
TY-300/26/110	88 - 140 V	50-60 Hz	0.35 A	-20 to +40 °C	T4	T80°C
TY-300/26/230	180 - 277 V	50-60 Hz	0.15 A	-20 to +40 °C	T4	T80°C

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R5168/A/1	2024-06-18	0	Issue of the Prime Certificate.

14.2 Compliance Drawings:

Title:	Drawing No.:	Rev. Level:	Date:
TY-300 Wiring and Layout	LD-0113	01	28/03/2024
TY-300 Cert Label Drawing	LD-0120	01	15/04/2024
Installation, Operation and Maintenance Instructions (4 pages)	LD-0121	1	-
TY-300 Enclosure Construction (4 pages)	LD-0150	01	29/05/2024
LEDX1P-x12 General Assembly	LD-0249	02	30/05/2024

Certificate: **ExVeritas 24 UKEX 1827X** Issue 0

This certificate may only be reproduced in its entirety and without any change, schedule included.

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.

Schedule

15 Conditions of Certification

15.1 Special Conditions for Safe Use

- The lights must be connected to a mains supply with a prospective short circuit current rating of 1500A or less.

15.2 (Manufacturer) Routine Tests

- In accordance with EN/IEC 60079-18 clause 9.1 each single LED version of the LEDX LED assemblies shall be subjected to a visual inspection. No damage shall be evident, such as cracks in the compound, exposure of the encapsulated parts, flaking, inadmissible shrinkage, swelling, decomposition, failure of adhesion (separation of any adhered parts) or softening.
- In accordance with EN 60079-18 clause 9.2 each each single LED version of the LEDX LED assemblies shall be subjected to dielectric strength tests of 500 Vrms or 700 Vdc between LED+/LED- and heatsink/polycarbonate shell. The test voltage shall be applied for at least 1s. Alternatively 1.2 times the test voltage may be applied and maintained for at least 100ms.

16 Essential Health and Safety Requirements (Regulations Schedule 1)

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1.

The manufacturer shall inform ExVeritas of any modifications to the design of the product described by this schedule.

Certificate: **ExVeritas 24 UKEX 1827X** Issue 0

This certificate may only be reproduced in its entirety and without any change, schedule included.
For help or assistance relating to this certificate, contact info@exveritas.com.
ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.
ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.