



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 08ATEX3182X** Issue: **1**

4 Equipment: **LL - ### Transformer**

5 Applicant: **Wolf Safety Lamp Company**

6 Address: Saxon Road Works
Sheffield S8 0YA
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0: 2006 EN 61241-0: 2006
EN 60079-1: 2007 EN 61240-1: 2004
EN 60079-7: 2007

10 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.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 GD
Ex ed IIC T4
Ex tD A21 IP66 T135°C
(Ta = -20°C to + 40°C) at 350 VA
(Ta = -20°C to + 30°C) at 400 VA

Project Number 24182

C. Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

**Sira 08ATEX3182X
Issue 1**

13 DESCRIPTION OF EQUIPMENT

The Type LL-### Transformer comprises an enclosure housing a transformer, feed through terminals and a fuse holder; the transformer is rated up to 400 VA, 230 V a.c., 24 V a.c. or 48 V a.c. output. The enclosure is provided with up to two entry devices, either cable glands or input sockets, and between two and four output sockets or cable glands.

Variation 1 - This variation introduced the following changes:

- i. The reference to certificate number Sira 07ATEX3277X was removed because it no longer requires to be a supporting, descriptive document, a full list of certified drawings was also introduced to allow the Wolf Safety Lamp Company Limited to manufacture the products in their own right.
- ii. The option to fit a clear cover over the approval label was recognised.
- iii. The fitting of external branding labels was approved.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	15 July 2008	R51A18577A	The release of the prime certificate.
1	25 January 2011	R24182A/00	The introduction of Variation 1.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 The transformer enclosure shall only be mounted with the cover uppermost.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

Certificate Annexe

Certificate Number: Sira 08ATEX3182X
Equipment: LL - ### Transformer
Applicant: Wolf Safety Lamp Company



Issue 0 The drawings listed with these Issues were rationalised and have been superseded by those detailed in Issue 1

Issue 1

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Description
ALC0012	1 of 1	1	19 Jan 10	General Assembly – Transformer

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