



## Wolf ATEX Fluorescent Leadlamp LL-500 Operation and Maintenance Instructions Please Retain – Read Before Use

### EC Declaration of Conformity

The Wolf ATEX Fluorescent Leadlamp meets all relevant provisions of the 94/9/EC Explosive Atmospheres (ATEX Equipment) Directive by virtue of the issued EC type examination certificate, demonstrating compliance with all relevant harmonised standards and essential health and safety requirements.

The Wolf ATEX Fluorescent Leadlamp is a portable or fixed area light with a durable enclosure construction of Polycarbonate and Aluminium. The Fluorescent Leadlamp models are available in a variety of input voltages. Approval is as Group II, Category 2 equipment for use in zone 1 & 2 potentially explosive gases, vapours, mists and dusts where the T3 temperature class/100°C maximum surface temperature permits.

Approval Codes/Certification:



Ex emb II T3 -20°C to +35°C (4 x CFL lamps)  
Ex emb II T3 -20°C to +44°C (2 x CFL lamps)  
Ex emb II T4 -20°C to +53°C (2 x T8 lamps)

Ex tD A21 IP66/IP67/IP68 T100°C

2 x CFL -20°C to +44°C T3 incoming cable 36°C above ambient  
4 x CFL -20°C to +35°C T3 incoming cable 53°C above ambient  
2 x T8 STD -20°C to +53°C T4 incoming cable 29°C above ambient  
2 x T8 EMER -15°C to +53°C T4 incoming cable 29°C above ambient

When plugs/sockets fitted certification code changes to embd IIC and IP rating reduced to IP66. Some variants of plug/socket may reduce the maximum ambient to 40°C

EC Type examination certificate: **SIRA08ATEX0000**

Notified Sira Certification Services.  
Body: Rake Lane  
Eccleston  
Chester  
CH4 9JN, UK.  
Notified body number: **0518**

Harmonised standards applied:

EN60079-0:2006, EN60079-7:2007, EN60079-18:2004, EN61241-0:2006,  
EN61241-1:2004,

Ingress protection level: **IP66/IP67/IP68 (3m for 30 minutes) T100°C** to EN60529:1992,

Wolf Fluorescent Leadlamps are certified compliant with the 89/336/EEC EMC Directive.

The product is CE marked showing compliance with all relevant EC Directives  
Alex Jackson – Technical Director  
Wolf Safety Lamp Company Ltd.

### IMPORTANT

1. Read this leaflet carefully before commencing to install the luminaire and retain it for future use.
2. Check the rating label to ensure the luminaire is suitable for the supply provided, ambient temperature present and IP rating
3. The luminaire housing is constructed from polycarbonate, aluminium and polyurethane, the end user must ensure that these materials are suitable for the atmosphere the luminaire will be used in. Excessive force should not be used on plastic components.
4. Only luminaires using compact fluorescent lamps are suitable for portable applications, luminaires using T8 lamps must be used in static applications only.
5. Damaged equipment should be withdrawn and repaired as necessary before being put back in to service, in accordance EN60079-17 code of practice. Inspect cable at regular intervals.
6. Lamps must not be opened in Hazardous Areas.

### INSTALLATION

1. When luminaires are used in fixed installations 2 mounting points must be used, the two end caps on each luminaire have four mounting points which are compatible with Unistrut® and associated accessories. Portable luminaires can also be carried around whilst illuminated using the carrying strap supplied.
2. All luminaires have terminal blocks suitable for 4mm<sup>2</sup> live, neutral and earth. Only one conductor should be fitted to each terminal block, for screwed type terminal blocks all terminals should be fully tightened down whether a conductor is fitted or not.
3. Approved cable glands must be used and be suitable for the type of cable used. Any unused cable entries should be blanked off with an approved stopper plug to maintain a minimum IP rating as marked on the certification label.

### MAINTENANCE

1. Isolate the luminaire from both switched and unswitched mains supplies before carrying out any maintenance work.
2. Lamps must be changed at the intervals recommended by the lamp manufacturer
3. It is essential that all luminaires are maintained in accordance with the requirements of EN60079-17
4. External plastic components have an anti static coating to avoid a build up of static electricity, a dilute water/detergent mix may be used to clean luminaires
5. **IMPORTANT.** No modifications are permitted to the luminaire, all spare parts must be purchased from the manufacturer, unauthorized modifications or spare parts will invalidate certification.

### ELECTRICAL DATA

Total circuit watts 2x55/58W = 92W, 2x36W = 62W, 2x18W = 32W, 4x55W = 185, 4x36W = 125W, 4x18W = 65W. Power factor correction better than 0.95. Inrush current on initial switch on 45A for 500us. Maximum luminaires on a circuit not to exceed 16A. HV insulation testing may be carried out at voltages less than 500V DC, live and neutral cables should be shorted together and the voltage applied between earth and this connection.

### CHANGING LAMPS

Isolate the luminaire, remove a end cap by releasing the two recessed screws within the end cap, the clear polycarbonate tube can now be withdrawn over the internal reflector. The lamps are removed by releasing the 2 lamp retainers on each lamp and then removing the 2 screwed connectors from the end of each lamp. Fitting lamps is a reversal of the above procedure check that the silicone gasket is seated within the end cap before assembly. Use only compact fluorescent lamps with 2G11 bases, for T8 fluorescent lamp variants G13 caps are required for bi pin and Fa6 caps for single pin.

### EMERGENCY LUMINAIRES

Emergency luminaires should be charged/discharge 3 times upon commissioning to ensure the batteries are cycled to their peak capacity, charging time shall be a minimum of 24 hours. The luminaires are designed to give approx. 3 hours light output during a power failure, the luminaires should be tested on a regular basis in accordance with national standards on emergency lighting.

### FAULT FINDING

If luminaire fails to function, replace lamp.

### DISPOSAL OF WASTE MATERIAL

Disposal of packaging, luminaire and old lamps should be carried out in accordance with national regulations.

### WARNING:

**USE ONLY GENUINE WOLF REPLACEMENT PARTS.**

The Wolf Safety Lamp Co. Ltd has a policy of continuous product improvement. Changes in design details may be made without prior notice.

### Wolf Safety Lamp Company

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