Wolf Safety Lamp Company
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Wolf WF-300 LED Floodlite

Operation and Maintenance Instructions Please Retain – Read Before Use

EC Declaration of Conformity

The Wolf WF-300 LED Floodlite meets all relevant provisions of the 94/9/EC (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 WF-300 LED Floodlite is a high performance lightweight portable floodlight. Constructed in marine grade aluminium, with a polycarbonate lens: the end user must check that these materials are suitable for the atmosphere the Floodlite will be used in. The Floodlite can be used in Zone 1 and Zone 2 potentially explosive gas, vapour, mist and dust atmospheres where the surface temperature / temperature class and gas group permit.
The incoming mains cable should not exceed a temperature rise of 61°C above the ambient conditions; select suitable cable and cable gland.

Ex II 2GD Ex emb IIC T4 Gb (Ta = -20°C to +50°C)
Ex t IIIC T103°C Db IP66 & IP67

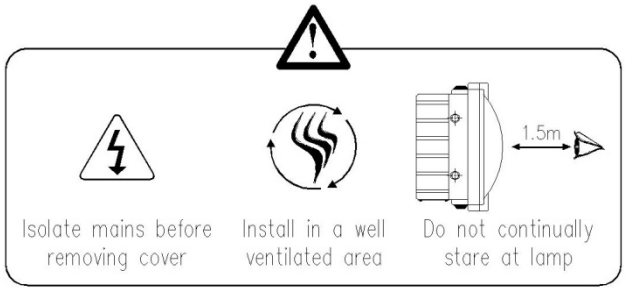
EC Type Examination Certificate:

Notified Body:	Baseefa Ltd. Rockhead Business Park, Staden Lane, Buxton, SK17 9RZ, UK Notified body number: 1180

Harmonised standards applied:
EN60079-0:2009, EN60079-7:2007,
IEC60079-18:2009, IEC60079-31:2008,

Wolf LED Floodlites are certified compliant with the 2008/108/EC EMC Directive.
The product is CE marked showing compliance with all relevant EC Directives

Alex Jackson – Technical Director
Wolf Safety Lamp Company Ltd



IMPORTANT

Read these instructions carefully before commencing to use the Floodlite and retain for future use.

- Check the rating label to ensure the Floodlite is suitable for the supply provided, ambient temperature present and IP rating.
- ATEX certification includes assessment of product safety at ±10% of rated voltage, running lamps outside of this voltage tolerance will therefore invalidate the ATEX approval and the product warranty, may result in a dangerous condition, and could cause the product to fail prematurely.
- If the Floodlite is to be used in areas of high vibration, please consult with Wolf Safety.
- ELECTROSTATIC CHARGING HAZARD Clean lens with damp cloth.
- The Floodlite consists of an Ex mb LED chamber and an Ex emb terminal chamber.
- All Floodlites have terminal blocks suitable for up to 4mm^2 live, neutral and earth.
- ATEX approved cable glands must be used and be suitable for the type of cable used. Any unused cable entries should be blanked off with a suitable ATEX approved stopper plug to maintain a minimum IP66/67 rating as marked on the label.
- This product is Class1 equipment and must be earthed. Floodlites are supplied as standard with 3 core earthed supply cables. Where the user specifically requires a 24 volt SELV Floodlite with 2 core cable (+ve and -ve) / a 2 pole plug, the Floodlite must be used with a separate connection to earth via the external earth grounding point.
- The Floodlite lens is moulded in Polycarbonate, the end user must ensure that this is suitable for the atmosphere the Floodlite will be used in.
- **Do not connect 24 volt lamps to a centre tapped earth transformer (CTE), permanent damage to the product is likely to occur.**

When user is ≤ 0.35m from the WF-300:
Risk Group 2.
Caution: possible hazardous optical radiation emitted from this product DO NOT stare at the operating lamp. May be harmful to the eye.

Special conditions for safe use (denoted by X after the certificate number)

- Always use the lamp in the bridle provided.
- Except for internal wiring, not more than one single or multiple strand lead shall be connected into either side of any terminal, unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated crimped boot lace ferrule.

- Leads connected to the terminals shall be insulated for the appropriate voltage and this insulation shall extend to within 1 mm of the metal of the terminal throat.
- When terminals in accordance with certificate IECEx SIR 05.0035U are used, all terminal screws, used and unused, shall be tightened down to between 0.5 Nm and 0.7 Nm.
- When terminals in accordance with certificate IECEx SIR 05.0037U are used, all terminal screws, used and unused, shall be tightened down to between 1.2 Nm and 2 Nm.
- When terminals in accordance with certificates IECEx SIR 05.0035U and IECEx SIR 05.0037U are used, they shall only be installed and wired with cable within a temperature range of -10°C to 80°C.
- When cross-connecting combs are used on terminals to certificates IECEx SIR 05.0035U and IECEx SIR 05.0037U, the relevant conditions of certification associated with those certificates shall be applied.
- Cable entry holes shall be fitted with either an appropriately certified cable gland or appropriately certified blanking element. These shall provide and maintain a minimum enclosure ingress protection of IP66 or IP67 as appropriate.
- The LED assembly must be replaced following the failure of a maximum of 8 individual LED's.
- Internal fuse replacement must be the correct fuse value and be capable of withstanding a short circuit current of 1500A.
- User must ensure that when used, the protective film must remain fixed in place at all times when the equipment is being moved.
- If the Floodlite head is not situated within the protective frame/stand ensure the unit is de-energised before moving.

MAINTENANCE

1. Isolate the Floodlite from the mains supply and allow to cool before carrying out any maintenance work.
2. It is essential that all Floodlites are maintained in accordance with the requirements of EN60079-17.
3. The cable should be inspected before each use. Regular close inspections must be carried out to ensure the cable is not damaged in any way. Particular attention should be paid to gland and socket entries.
4. **IMPORTANT.** No modifications are permitted to the Floodlites, all spare parts must be purchased from the manufacturer, unauthorized modifications or spare parts will invalidate certification.

ELECTRICAL DATA

Total circuit watts 60W, power factor correction better the 0.95. Voltage range 100V to 254V +/-10% 50/60Hz or 24V +/-10% AC/DC – see rating label. PAT testing, maximum insulation testing may be carried out at voltages less than or equal to 500V DC, if the Live and Neutral cables are shorted together and the voltage applied between earth and this connection.

CHANGING LED ASSEMBLIES

Isolate the Floodlite, remove the lid assembly by releasing the 4 socket head bolts that are retained in the polycarbonate cover, the inner LED assembly can now be removed by releasing the 4 socket head screws, the casting with the encapsulated LED's can now be discarded. Fitting a new LED assembly is a reversal of the above procedure.

DISPOSAL OF WASTE MATERIAL

Disposal of packaging, Floodlite and old LED assemblies should be carried out in accordance with national regulations.

IECEx Scheme Certification

IECEx Scheme Certificate Number:
IECEx BAS 10.0016

Ex emb IIC T4 Gb (Ta= -20°C to +50°C)
Ex t IIIC T103°C Db IP66 & IP67
IEC Standards applied:
IEC60079-0:2007, IEC60079-18:2009, IEC60079-7:2006/07, EN61241-1:2004

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.

SPARE PARTS

Description	Wolf Part Number
Protective Lens Film 3 pack	**WF-650/3**
Stand and Bridle	**WF-698K**
Stainless Bolt Pivot Kit	**WF-641**
4 off Stainless Bolt and 'O' Ring kit	**WF-645**
Polycarbonate Lens Cover with Seal	**WF-647**
LED Panel	**WF-649**
Trumpet Gland	**LL-311**
EX Terminal block	**WF-653**
Internal Fuse Low Voltage (24V)	**WF-262**
Internal Fuse High Voltage (110-230V)	**WF-264**

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