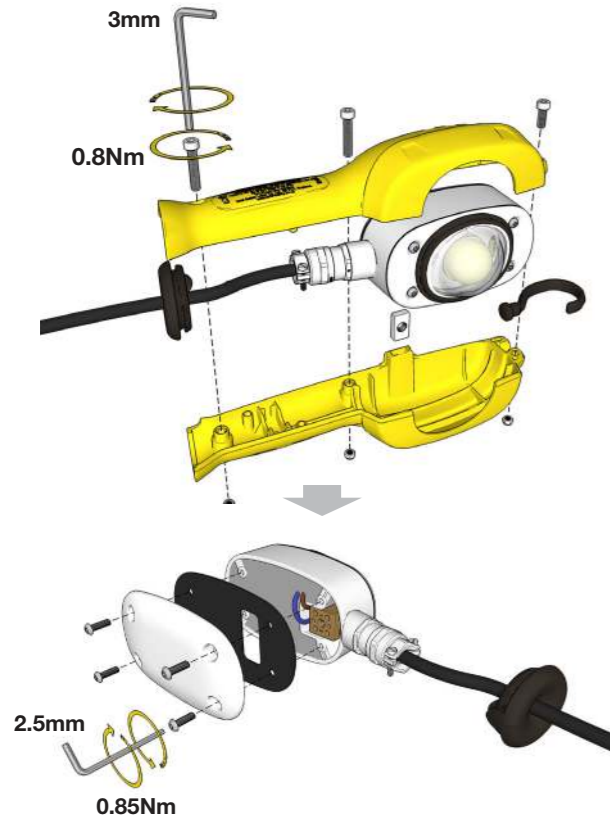
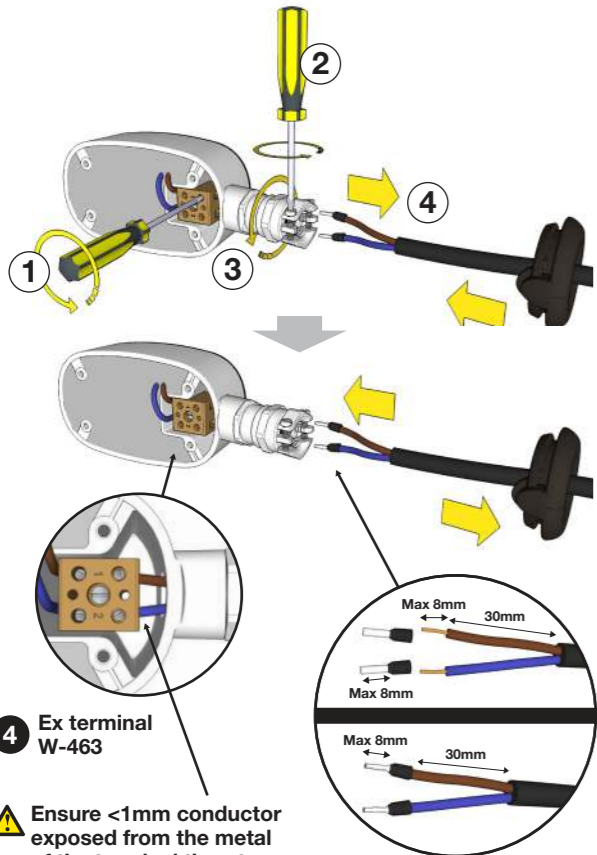


### CABLE REPLACEMENT

1. Remove the three allen head bolts from the enclosure body, separate the two halves of the enclosure then remove the LED module, unscrew the four screws that retain the rear metal cover to the LED module.

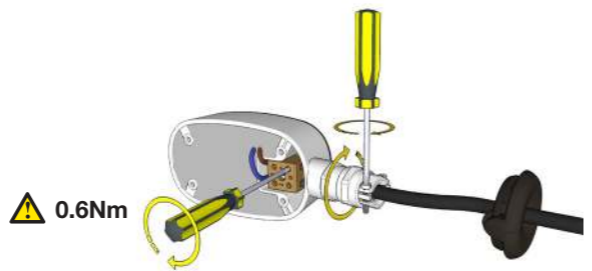


2. Unscrew the cable cores from the two way terminal block and remove the cable from the gland. Make sure that all gaskets are retained and fitted correctly upon re-assembly. Fit the replacement cable through the gland then the gland and terminate the inner cores into the terminal block.



### CABLE REPLACEMENT

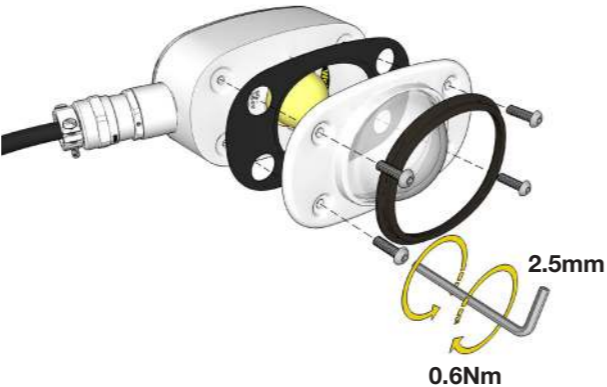
3. Tighten the gland onto the cable and replace the back cover to the LED module.



4. Fit the LED module into one half of the enclosure body, make sure the grommet is seated in the handle section and fit the other half of the enclosure body making sure the hook and M8 nut are fitted. Secure the enclosure body assembly using the three allen head bolts and nuts (do not over-tighten).

- Note:**
- Do not dislodge, pull or attempt to remake ends on wires exiting the potting compound.
  - Take care not to trap/crush wires, ensure all seals are present and in good condition.

### LENS COVER REPLACEMENT



### IMPORTANT

No modifications are permitted to the ATEX LED Inspection Leadlamp.

### ELECTRICAL DATA

Model	SP-600H...	SP-600L...	SP-600EL...
AC Voltage	90-264V*	18-54V	9-16V
DC Voltage	N/A	20-54V	9-16V
Current	0.08A	0.6A	0.8A
VA (AC)	6.82	9.12	8.28

\*Power factor >0.95

**Note:** All variants certified safe for voltages down to 0V AC/DC. Suitable for 50-60Hz AC supplies.

# Wolf

## WOLF ATEX LED INSPECTION LEADLAMP

- Ideal for handheld inspection and work activities in a hazardous area
- ATEX and IECEx approved for Zone 1 and 21 explosive gas and dust atmospheres.
- High power 'fitted for life' LED light source
- High quality, even, ultra-wide angle LED light, reduces shadows and enhances visibility
- Large diffuse light source minimises eye discomfort when viewed directly
- Compact for handheld use
- Flexible integrated hook for suspension in the work area
- Robust and highly durable enclosure to withstand heavy industrial use
- Certified to wide voltage ranges
- Fitted with 10m HOFr cable as standard
- IP67 rated for use in the harshest environments
- Group I mining approval
- Mounting and protection accessories available



IECEx



THORNE &  
DERRICK  
INTERNATIONAL

Thorne & Derrick  
+44 (0) 191 410 4292  
www.heatingandprocess.com

SP-500 Issue 01  
DF345

MMD/??/??/16/??K



# Wolf

## WOLF ATEX LED INSPECTION LEADLAMP

ATEX and IECEx Certified  
for Explosive Atmospheres



SP-600

OPERATION AND MAINTENANCE  
INSTRUCTIONS

**Wolf ATEX LED Inspection Leadlamp**  
**Operation & Maintenance Instructions**  
**Please Retain – Read Before Use**

**EC/EU Declaration of Conformity**


The Wolf ATEX LED Inspection Leadlamp is a handheld, leaded portable luminaire and meets all relevant provisions of the:-

- a) 94/9/EC Explosive Atmospheres (ATEX Equipment) Directive (up to 19th April 2016)  
 b) 2014/34/EU Explosive Atmospheres (ATEX Equipment) Directive (from 20th April 2016)

by virtue of the issued EC/EU type examination certificate, demonstrating compliance with all relevant harmonised standards and essential health and safety requirements.

The Wolf ATEX LED Inspection Leadlamp has a durable aluminium LED module with a polycarbonate clear lens over the light source, encased in a protective high impact, anti-static plastic enclosure.

Models are available in a variety of input voltages. Approval is as Group I, M2 equipment for mining applications and Group II, Category 2 equipment for use in zone 1, 2, 21 and 22 potentially explosive gases, vapours, mists and dusts where the T4 temperature class/95°C maximum surface temperature permits.

Certification/Approval Code:  I M2 Ex eb mb I Mb (-30°C to +55°C)  
 II 2G Ex eb mb IIC T4 Gb IP67  
 II 2D Ex mb tb IIC T95°C Db

EC Type examination certificate: **SIRA15ATEX3317X**

**Notified Body:** Baseefa Ltd., Rockhead Business Park,  
 Staden Lane, Buxton, SK17 9JN, UK.

Notified Body Number: **1180**

Harmonised Standards Applied: EN60079-0:2012 +A11:2013, EN60079-7:2015, EN60079-18:2015, EN60079-31:2014.

Ingress protection level **IP67** to EN60529:1992.

The ATEX LED Inspection Leadlamp is compliant with the:-

- a) 2004/108/EC EMC Directive (up to 19th April 2016)  
 b) 2014/30/EU EMC Directive (from 20th April 2016)

To the following harmonised standards BS EN 55015:2013, BS EN 61000-3-2:2006 +A2:2009, BS EN 61000-3-3: 2013 and BS EN 61547: 2009.

 Alex Jackson – Managing Director  
 Wolf Safety Lamp Company Ltd.

**IECEx Certification Scheme**

Certificate Number: **IECEx SIR15.0115X**

Certification/Approval Code: Ex eb mb I Mb (-30°C to +55°C)  
 Ex eb mb IIC T4 Gb IP67  
 Ex mb tb IIC T95°C Db

Standards Applied: IEC60079-0:2011, IEC60079-7:2015, IEC60079-18:2014, IEC60079-31:2013.

Ingress protection level **IP67** to IEC60529:1992.

**SPECIAL CONDITIONS OF USE (X) CONDITION**

This equipment shall not be used in mining locations where oils, greases or hydraulic liquids may be present.

**EQUIPMENT USE**

1. Check the rating label to ensure the ATEX LED Inspection Leadlamp is suitable for the supply provided, ambient temperature present and the environmental conditions.
2. Polycarbonate parts, check Ex area for potential contact to corrosive and/or aggressive substances.
3. The ATEX LED Inspection Leadlamp has a single metric M20 x 1.5 entry. Use only specified gland (No. 7 on Spare Parts).
4. Ensure any replacement cable is rated for the lower ambient temperature the ATEX LED Inspection Leadlamp will be used in and a +80°C minimum upper rating.
5. Inspect cable for damage at regular intervals.
6. Damaged equipment should be withdrawn and repaired as necessary before being put back in to service, in accordance with EN60079-17.
7. LED Inspection leadlamps must not be opened in Hazardous Areas.

**MAINTENANCE**



**CAUTION: HOT** – Allow lamp to cool before dis-assembly.

1. Isolate the ATEX LED Inspection Leadlamp from the power supply before carrying out any maintenance work.
2. The Encapsulated electronics in the LED module is a sealed unit and cannot be repaired.

**FAULT FINDING**

If an ATEX LED Inspection Leadlamp fails to function, check input cable continuity and terminations in the plug and LED module.

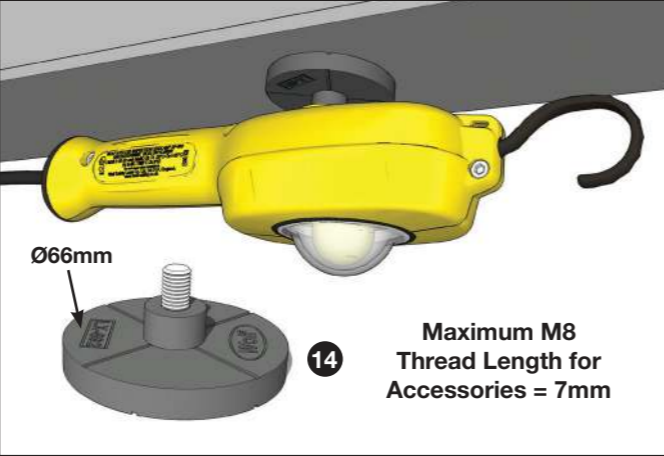
**DISPOSAL OF WASTE MATERIAL**

Disposal of packaging, and ATEX LED Inspection Leadlamp products should be carried out in accordance with national regulations. (WEEE).

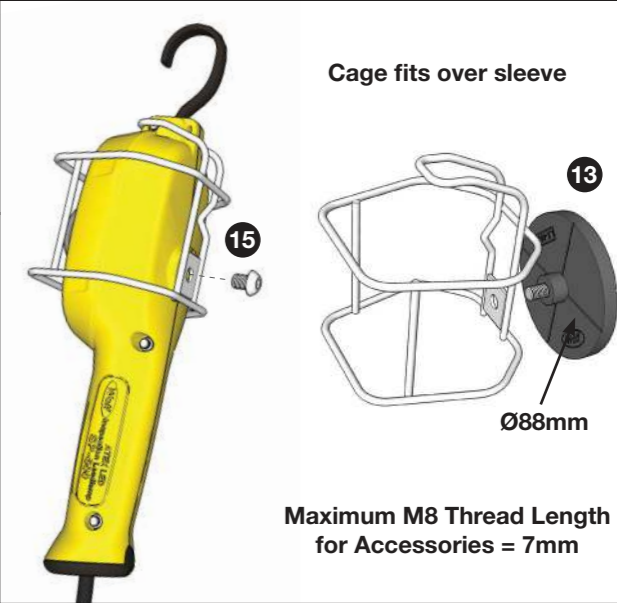
**The Wolf Safety Lamp Co. Ltd has a policy of continuous product improvement. Changes in design details may be made without prior notice.**

**A copy of these instructions with any relevant revisions can be found at [www.wolf-safety.co.uk](http://www.wolf-safety.co.uk)**

**66mm DIAMETER MAGNET**



**CAGE AND OPTIONAL 88mm DIAMETER MAGNET**



**SPARE PARTS**

Item No.	Part No.	Part Description	Quantity Required
1	SP-466	High impact plastic body enclosure including fixing screws/nuts and back accessory nut	1
2	SP-480	Polycarbonate lens cover including gasket and fixing screws	1
3	SP-412	Rear cover gasket	1
4	W-463	Ex terminal block and mounting screw	1
5	SP-440	Hook and filler plug	1
6	SP-460	Gland with seal (M20 x 1.5)	1
7	SP-444	Handle grommet	1
8	SP-414	Outer lens bezel	1
9	SP-510/10	Cable 10m 2x core 1.5mm²	1
10	SP-612	Enclosure Screw Kit	1
11	SP-614	LED Module Screw Kit	1
12	SP-628	Protection sleeve kit (5 sleeves & 10 cable ties)	1
13	SP-626	Cage with a 88mm diameter magnet	1
14	SP-624	66mm diameter magnet	1
15	SP-620	Cage and fixing bolt	1



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**IMPORTANT**

Fit only genuine WOLF accessories and spare parts purchased from the manufacturer, unauthorised modifications or spare parts will invalidate certification.

**PROTECTION SLEEVE**

