Wolf Area Light Features

- ATEX and IECEx approved for Zone 1 and 21 explosive gas and dust atmospheres.
- Extremely bright portable flood light suitable for illuminating entire work areas.
- Portable product supplied with guard and in a robust stainless steel frame.
- Floodlight can be used with the frame upright, on its back or suspended from clamp accessories.
- Indexed tilt adjustment 270 degree range.
- Fully optimised LED driver system for enhanced lifetime, performance, durability and efficiency.
- Powder coated marine grade aluminium construction.
- Suitable for use in a wide ambient temperature range.
- Frame has integral cable tidy and is stackable. High power `fitted for life' LED light source

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LM-0266 - ISSUE 2
DF612

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ATEX AREA LED LIGHTING

WAL - WOLF AREA LIGHT

ZONE 1

OPERATION & MAINTENANCE INSTRUCTIONS

Operation and Maintenance Instructions
Please Retain - Read Before Use

EU/UK Declaration of Conformity

This WAL-725 Wolf Area Light meets all relevant provisions of the 2014/34/EU Explosive Atmospheres (ATEX Equipment) Directive and Equipment by virtue of the issued EU type examination certificate, and subsequent review confirming compliance with all relevant harmonised standards and essential health and safety requirements.

The Wolf Area Light is an efficient, robust and durable luminaire constructed of a cast aluminium enclosure protected by a powder coated finish, lens guard and robust frame. 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 atmospheres containing gases, vapours, mists and dusts where the T4 temperature class/T110°C maximum surface temperature permits.

Approval Code:

II 2GD Ex eb mb IIC T4 Gb
Ex tb IIIC T110°C Db
–50°C ≤ Ta ≤ +49°C / +50°C

Notified Body:
SGS FIMKO OY., P.O. Box 30 (Särkiniementie 3)
00211 HELSINKI, Finland.
Notified body number: **0598**

EU Type examination certificate:
ExVeritas19ATEX0586X
Harmonised standards applied:
EN IEC 60079-0:2018, EN60079-18:2015+A1:2018,
EN IEC 60079-7:2015+AMD1:2018,
EN60079-31:2014

The WAL-725 Wolf Area Light are certified compliant with the 2014/30/EU EMC Directive to the harmonised standards:
EN 55015: 2013 +A1:2015, EN 61547: 2009,
EN 61000-3-2:2019, EN 61000-3-3:2013 +A1:2019

EU RoHS Directive 2011/65/ to the harmonised standard EN IEC 63000:2018.

Ingress protection: IP66 and IP67 to EN 60529:1992

The Wolf Area Light therefore meet the UK requirements for the UKCA "Fast Track" process permitting UKCA marking.

Plugs and linkable sockets may be approved to different ambent temperature and IP ratings.

This declaration is issued under the sole responsibility of Wolf Safety Lamp Company.

Alex Jackson – Managing Director,
Wolf Safety Lamp Company Ltd.,
Sheffield, S8 0YA, UK.
Dated 01 December 2023.

IECEx Scheme Certification

Certificate number: **IECEx EXV 19.0079X**

Certification/Approval Code:
Ex eb mb IIC T4 Gb
Ex tb IIIC T110°C Db
Ta -50°C to +49°C / +50°C

Standards applied: IEC 60079-0:2017, IEC 60079-7: 2017, IEC 60079-18: 2017, IEC 60079-31:2013

Ingress protection: IP66 and IP67 to EN 60529:1992

Plugs and linkable sockets may be approved to different ambent temperature and IP ratings.

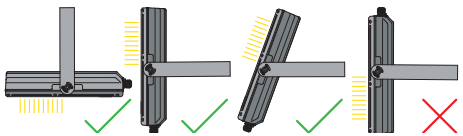
IMPORTANT:
SPECIAL CONDITIONS FOR SAFE USE (X)

1. Suitably certified ATEX/IECEx M20x1.5 cable glands and/or stopper plugs are fitted by Wolf and replacement parts are available, see SPARE PARTS AND ACCESSORIES.

2. When used in potentially hazardous dust atmospheres, the equipment shall be positioned so as to minimize the risk from electrostatic discharge. In particular, the equipment shall not be positioned where there is a likelihood of there being a static generating mechanism, such as steam generation or fast-moving particles over the surface of the equipment.

3. The equipment shall only be used with a power source having a prospective short circuit current which does not exceed 1500A.

4. The Wolf Area Light ambient temperature has been selected to allow for uplighting applications.



However, it must still be oriented with the cable entering from the bottom.

OPENING
Do not open in Ex area

To allow access to the internals of the unit, the bolts securing the front assembly must first be removed. An internal tether allows the lid to hang out of the way. The cover fixing screws are retained in the cover.

When replacing the cover fixings, recommended torque for fixing screws is 4.5Nm.

CABLE ENTRIES

The product is supplied with 5m H07RN-F cable and plug as standard. The second cable entry is blanked by an Ex certified blanking plug unless a linkable option has been specified.

LAMP & DRIVER REPLACEMENT

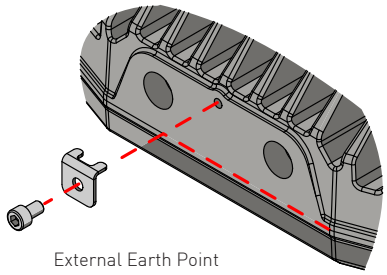
For lamp and driver module replacement instructions, please refer to the instruction sheet supplied with the spare module.

INCOMING CABLE TERMINALS

Terminal wiring must be carried out in accordance with these instructions:
- Insulation strip length of 10-11mm
- Only one wire should be connected to each clamping point

Supply cable cross-section:
- 0.5-2.5mm² when using solid or stranded cable
- 0.5-2.5mm² when using an un-insulated bootlace ferrule
- 0.5-1.5mm² when using an insulated bootlace ferrule

The luminaire must be connected to earth. An external earth connection point is available for up to 4mm² connection. An internal earth point is also provided.



External Earth Point
Torque to
2.2Nm Max.

SERVICE LIFE & ROUTINE INSPECTION

Refer to the Safety, Operation & Maintenance section of this document before commencing any routine inspection work.
Frequency of maintenance will depend on the procedures in place on the site where the unit is used and the local operating conditions.

1. Check for mechanical damage and/or corrosion of enclosure, gaskets and fastenings. Replace damaged parts.
2. Check for loose connections including internal and external earth connections. Tighten any loose connections.
3. Check for accumulations of dust or dirt and clean if necessary.
4. Check tightness of fixing, glands, blanking plugs etc to ensure IP rating is maintained.
5. Check for unauthorised modifications (the guard covering the front of the light must always be fitted).
6. Check for any accumulation of moisture.

If there is any doubt that the luminaire remains safe and suitable for use in the potentially explosive atmosphere, contact Wolf Safety for advice.

PATENT

The light emitting devices within these luminaires are covered by UK patent 2571713A.

DISPOSAL OF WASTE MATERIAL

Disposal of packaging, Wolf products and any component parts should be carried out in accordance with applicable regulations, (WEEE).

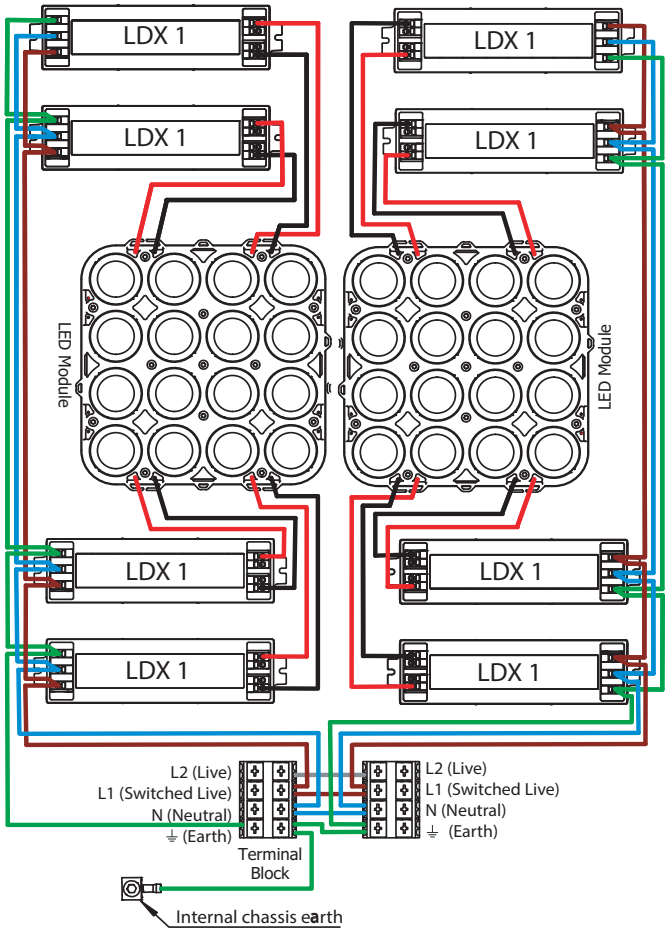
The Wolf Safety Lamp Co. Ltd has a policy of continuous product improvement. Changes may be made to the above specification without notification, details are available on request. E&OE. All information has been gathered under laboratory conditions, the user must regard the values given as approximate. A copy of these instructions with any relevant revisions can be found at www.wolfsafety.com.

ACCESSORIES

WAL-BKT - Wolf Area Light Scaffolding bracket kit. Allows for the Wolf Area Light (Product and frame) to be mounted to scaffolding Horizontally and or Vertically.
1 bracket for Horizontal mounting & 2 brackets for Vertical mounting.

WIRING

The unit contains a terminal block designated for Mains field wiring connections behind the front cover. The terminal block poles are labelled L2 (Live), L1 (Switched Live), N (Neutral) and ⏚ (Earth). For details of connections, see wiring diagrams below.



SAFE OPERATION INSTRUCTIONS

EN IEC 60079-17

1. Please read these operation and maintenance instructions carefully before commencing operation or maintenance and retain for future use.

2. The WAL Wolf Area Light is supplied with a lens guard fitted. This guard must not be removed.

3. IMPORTANT. The work area should be made safe and luminaires should be isolated and allowed to cool before commencing maintenance work. Any maintenance work should be carried out by suitably qualified and experienced electricians only.

4. Do not change or alter any internal wiring.

5. Floodlites and cable should be inspected prior to each use for visible signs of damage. Particular attention should be paid to gland and socket entries. Damaged lamps should be removed from the work area and repaired before being put back in service.

6. When using the product, the plugs must be connected and fully engaged in their corresponding socket to maintain the IP rating of the plug & socket. Check the seals are present and in good condition in the socket lid on any fitted sockets. The covers on the sockets must be fully closed and latched to seal surfaces and maintain the stated IP rating of the product. Note - plugs do not have latching covers or other devices to prevent ingress of Liquids/ Dusts. They are only IP rated when engaged in their corresponding sockets. Plugs must be kept clean and dry when not engaged with a socket.

7. It is the user's responsibility to ensure there is no potential difference between the earth supply to a Floodlite unit and the local earth in the work area. Where this is not possible the equipment should be securely earth bonded to metalwork in the immediate vicinity of where the Floodlite is being used. A flexible cable is recommended (6mm^2 minimum, no more than two metres long), connected to the earth grounding point on the Floodlite enclosure. Floodlites must be de-energised during connection or disconnection of the local earth bond.

The Wolf Area Light is approved as a portable product and may be moved while energised.

Warning: the Wolf Area Light is a heavy object. To prevent injury, the user must ensure that the product is stable when sited, assess area before determining maximum quantity to stack. After assessment, temporary fixings or tethers can be used to connect stacked frames as necessary.

8. **IMPORTANT.** No modifications are permitted to the Wolf Area Light Luminaires, unauthorized modifications or spare parts will invalidate certification.

9. The rating label must be checked to ensure the unit is being used within the correct ambient temperature and environmental conditions, and that the power supply is suitable.

10. Check the rating label to ensure the Floodlite is suitable for the supply provided, ambient temperature present and the environmental conditions.
11. Ensure the cable type is suitable for your application as certain cables and their operational use / installation may alter the temperature range of the product: SY cable has a lower operational temperature range of -5°C for flexed applications. Note this cable's insulation is made from PVC.
SB cable has a lower operational temperature range of -20°C for flexed applications.
H07RN-F cable has a lower operational temperature range of -25°C flexed applications.
Helkama cable H-FLEX PWR C-PUR has a lower operational temperature range of -35°C for flexed applications.

MAINTENANCE

1. In the UK the requirements of the 'Health and Safety at Work Act' must be met. Handling and electrical work associated with this product to be in accordance with the 'Manual Handling Operations Regulations' and 'Electricity at Work Regulations'

2. Insulation resistance testing should be carried out in accordance with the latest applicable wiring regulations. Maximum insulation resistance test 500V DC. LEDs should be disconnected from the circuit before performing this test.

3. Incoming mains cable should be suitable for use at the peak ambient temperature expected to be found where the unit is sited, plus 16°C.

4. These floodlights are photobiological safety risk group 1 - No photobiological hazard under normal behavioural limitations.

5. The luminaire enclosure contains non-metallic materials in the form of high-performance silicones used for the seals. The performance of these materials must be taken into consideration with respect to the atmosphere present in the hazardous area, and if in doubt, contact Wolf Safety.

6. The external faces of the luminaire may be cleaned with water containing a small amount of detergent only. Chemicals and oils may cause premature failure of seals.

TECHNICAL DATA

Please read these operation and maintenance instructions carefully before commencing operation or maintenance and retain for future use.

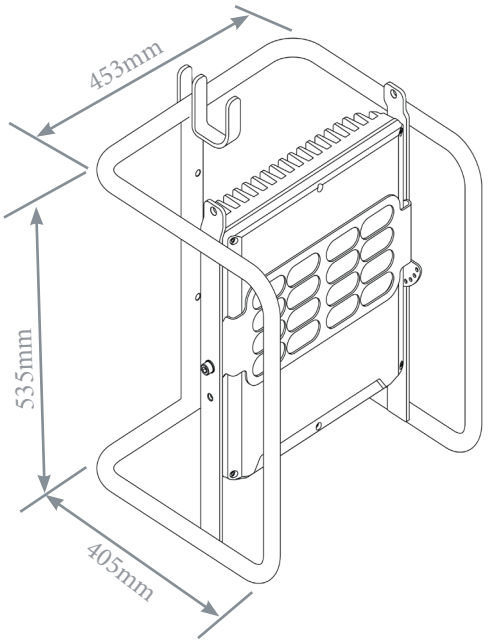
TECHNICAL DATA Wolf Safety Lamp Co. reserves the right to change technical specifications without prior notice.	**WAL-725-230**	**WAL-725-110**
Input Voltage Range	180-277 V AC	88-140 V AC
Input Power	180W	
Max. Input Current	0.3A	0.6A
Frequency	50 - 60 Hz	
Power Factor	>0.90	
Lumen Output	30.944 at source	
LEDs	32 LED	
Driver	LDX1H-HT	
Beam Angle	62°	
Ingress Protection	IP66 & IP67	
Weight (inc frame + cable)	21.5kg (5m H07RNF cable)	
Gas Temperature Class	T4	
Dust Surface Temperature	T110°C	
Lower Temperature Limit	-50°C*	
Upper Temperature Limit	+49°C	+50°C
No. of Cable Entries	2 x M20x1.5 threaded	

* Cable dependant

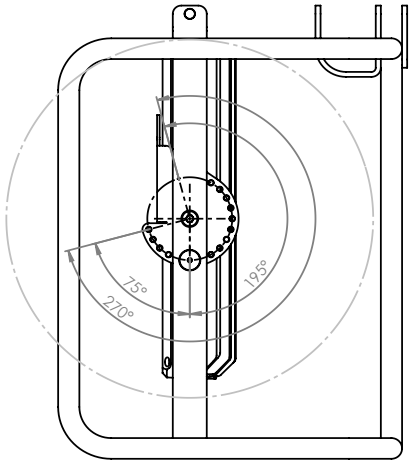
SPARE PARTS & ACCESSORIES

Item No.	Part No.	Spare Part Description	Quantity
1	LM-0632	Spare Stand	1
2	LM-0634	Spare Guard & Fixings	1
3	LM-0636	Spare Pivot Bolt & Fixing Kit	1
4	LM-0638	Spare Index Plunger	1
5	LL-311	EX Trumpet Gland	1
6	WAL-BKT	Scaffolding bracket kit	1 for Horizontal & 2 for Vertical fixing

DIMENSIONAL & OPERATIONAL INFORMATION



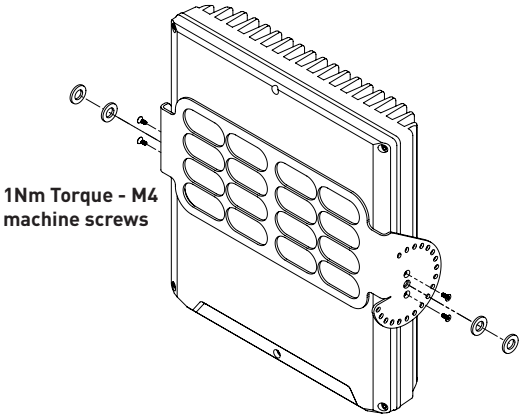
Indexed pluger allows for adjustment (270° of rotation and tilting) of the floodlight within its frame.

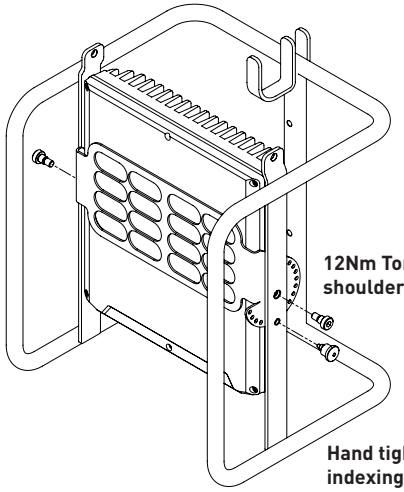


FRAME & GUARD REMOVAL PROCESS

1. Remove the index plunger and two shoulder bolts (one either side of frame). This allows for the removal of the flood light from the frame (note two spacers either side will need to be retained).

2. Remove the four M4 machine screws to remove the guard.





Note The shoulder bolts and index plunger will need stud lock applying to them (Loctite 222 purple) before reassembling the product in the frame.

IMPORTANT - The product cannot be used without the guard being fitted.