

# LED Tank Lighting Kits

# Wolf

Wolf Safety Lamp Company

“ The ultimate low voltage temporary LED lighting solution ”

## LinkEx LED

Temporary LinkEx™ LED ambient and task low voltage lighting for hazardous areas where potentially explosive gases and dusts may be present in a confined space.

- ATEX Certified
- Approved for explosive Gas and Dust atmospheres
- Ultra bright low maintenance LED light source
- Robust, durable and lightweight construction
- Quick and easy installation over a large area
- Wide range of accessories



ATEX

1180

### WOLF SAFETY LAMP COMPANY

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## Wolf Safety Lamp Company

**The LinkEx™ LED Tank Lighting Kits, all ATEX Certified, provide low voltage temporary lighting solutions for Zones 1 and 2 (Gas) and 21 and 22 (Dust) hazardous areas where potentially explosive gases, vapours, mists and dusts may be present in a confined space.**

The kits allow for a flexible setup of high quality task and ambient LED lighting to suit all working conditions in tanks and vessels and offers your workers a high level of safety through a simple configuration of:

- LinkEx™ LED Temporary Luminaires
- LinkEx™ LED Floodlites
- ATEX Transformer, 230V or 110V to 24V
- Range of cables, plugs and socket types and power distribution systems
- Protective, fixing and mounting accessories

### TYPICAL APPLICATIONS INCLUDE:

Vessel entry, tank cleaning and routine inspection work and programmes of preventative maintenance shutdowns all encountered in the oil and gas, aircraft, petrochemical and utility markets.



- ATEX Certified
- Approved for explosive Gas and Dust atmospheres
- Ultra bright, high power, low maintenance LED 'Fitted for Life' light source
- Voltage tolerance monitor for safe operation indication
- Powers up to 8 lights
- Fitted with ATX plugs and sockets
- Low and easy maintenance
- Robust, durable and lightweight construction
- Quick and easy installation over a large area.
- Low power consumption
- Wide range of accessories

“ Easy maintenance is a key feature of Wolf's temporary lighting solutions. ”



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# KIT COMPONENTS

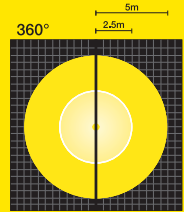
## WOLF LINKEX™ LED TEMPORARY LUMINAIRE LX-400

LinkEx LED

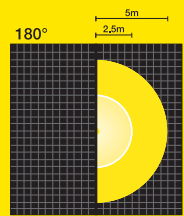
The LinkEx™ LED Temporary Luminaire is a high power LED Portable Leadlamp, ideal for ambient lighting, with CE marking to the 94/9/EC ATEX Equipment Directive and IECEx Certification, for safe use in Zones 1 and 2 potentially explosive gas and dust atmospheres, where a T3 temperature class permits.

- Available in non-linkable and linkable versions to link a chain of lights together in a series.
- Unique voltage tolerance monitor - SOVI™ (Safe Operation Voltage Indicator).
- Ultra bright, high power LED Fitted for Life' light source with lower power consumption.
- Robust, durable and lightweight construction and low maintenance.
- 180° and 360° versions available.

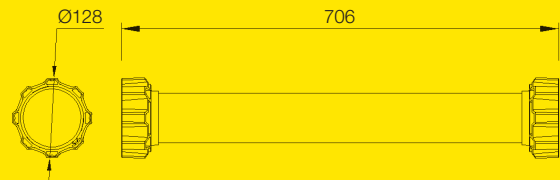
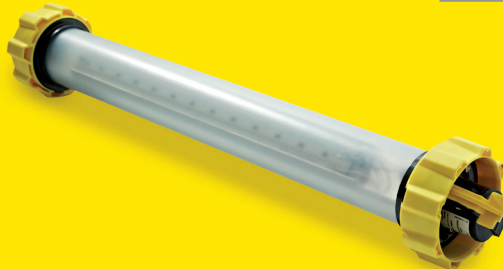
Ref	LX-400
	II 2 GD Ex emb IIC T3 Gb Ex t IIIC T170°C Db IP66/67 -20°C to +40°C
	SIRA12ATEX3177X
<b>G</b>	Zones 1 & 2
<b>D</b>	Zones 21 & 22
	≈3.5Kg
	128ø x 706mm
	19-28V AC/DC*
	Hi Power LED (3250lm)
	IP66/67



73 lux @ 2.5m  
19 lux @ 5m



109 lux @ 2.5m  
30 lux @ 5m



\*Mains voltage 85-264V AC versions available

## ACCESSORIES

### FIXING KITS

Bracket Kit  
LX-690

Magnet Bracket Kit  
LX-680

Eye Bolt Bracket Kit  
LX-671

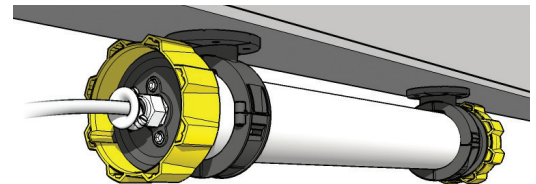
Dual Eye Bracket Kit  
LX-672

Scaffold Bracket Kit  
LX-678

Tripod Bracket Kit  
LX-670

Unistrut Bracket Kit  
LX-679

(Each kit contains the brackets to mount one LinkEx™ LED Temporary Luminaire or two lights where Dual specified)

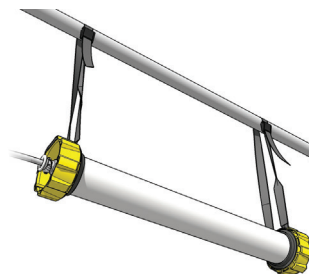


### TRIPOD STANDS

Lightweight  
(Max. height 1.85m)  
LL-680

Medium Duty  
(Max. height 2.4m)  
LL-699

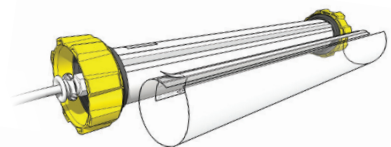
Heavy Duty  
(Max. height 3.2m)  
LL-668



Hanging Strap (Pack of 2)  
LX-654

S Hook (Pack of 2)  
LX-674

Carabiner (Pack of 2)  
LX-675



### FILM

Protective Film (Pack of 3)  
LX-545/3

Internal Diffuser Film (Pack of 1)  
LX-374

# KIT COMPONENTS

## WOLF LINKEX™ LED FLOODLITE WF-300

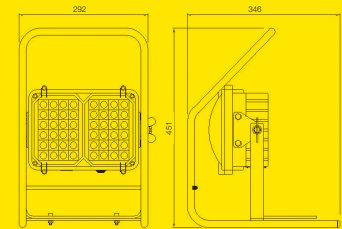
LinkEx LED

The LinkEx™ LED Floodlite is a high performance and lightweight LED floodlight, ideal for task lighting, with CE marking to the 94/9/EC ATEX Equipment Directive and IECEx Certification, for safe use in Zones 1 potentially explosive gas and Zone 21 explosive dust atmospheres, where a T4 temperature class permits.

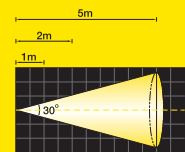
- Using an array of 48 ultra bright high output, highly efficient, LEDs, it gives an excellent flood of brilliant white light.
- Compact, robust and lightweight construction with very low maintenance.
- Supplied with stainless steel bridle and stand with pivot angle adjustment.
- Low power consumption and low operating surface temperature, no risk of burns.
- Wide angle flood available upon request.



Ref	WF-300 Low Voltage (LV)
	II 2 GD Ex emb IIC T4 Gb Ex t IIIC T 87°C Db IP66/67 (Tamb= 55°C)
	SIRA10ATEX5117X
	Zones 1 & 2
	9.0kg (excluding cable)
	292 x 451 x 354mm
	18-54V AC/DC*
	IP66/67
	48 x High Power LED (5200lm)



2870 lux @ 2m  
459 lux @ 5m



**ATEX IECEx**

1180

\*Mains voltage 100-254V AC versions available

## ACCESSORIES

Medium Duty



### TRIPOD STAND

Lightweight (Max. height 1.85m)  
LL-680

Medium Duty  
(Max. height 2.4m)  
LL-699

Heavy Duty  
(Max. height 3.2m)  
LL-668



### PROTECTIVE GRILLE

WF-515



MAGNETIC FIXING KIT  
WF-696

PROTECTIVE FILM (Pack of 3)  
WF-650/3



### SCAFFOLD BRACKET

WF-699

# WOLF ATEX TRANSFORMER GRP LL-114 / LL-214 STAINLESS STEEL LL-124 / LL-224

All tank lighting kits are supplied with a Zone 1 Ex transformer 230V or 110V to 24V in a choice of GRP (Glass Reinforced Polyester) or Stainless Steel, sealed to IP66, enabling use in wet and dusty conditions.

A 15 metre input cable is fitted with an ATX plug and four ATX output sockets are fitted externally to the transformer enclosure. A stainless steel outer protective skid makes the unit stronger and easy to handle for temporary installations ensuring that it can withstand the harshest of environments. Wolf's transformers are robust and durable in their construction and lightweight and portable for easy handling.



GRP



Stainless Steel

Ref	LL-114	LL-214	LL-124	LL-224
Description	GRP 110 volt transformer	GRP 230 volt transformer	Stainless Steel 110 volt transformer	Stainless Steel 230 volt transformer
Ex	II 2 GD Ex ed IIC T3 Ex tD A21 IP66 T200°C		II 2 GD Ex ed IIC T4 Ex tD A21 IP66 T135°C -20°C to +40°C @ 350VA -20°C to +30°C @ 400VA	
	LCIE02ATEX6248X		SIRA08ATEX3182X	
G	Zones 1 and 2			
D	Zones 21 and 22			
kg	21kg		23kg	
↔	504x465x285		580x370x270	
⚡	400VA (4 output sockets, ATX 24V 2P + E as standard)			
💧	IP66			



## WOLF TEMPORARY POWER DISTRIBUTION SYSTEMS

The range encompasses ATEX approved 400VA transformers 230V and 110V to 24V and 230V to 110V and bespoke high power single and three phase transformers, which can be fitted with Fuses, RCBOs and MCBs plus, Mains Distribution Units (MDUs), splitter boxes, extension leads and reels.

By integrating a range of additional power distribution units you can increase the flexibility of the lighting solution and power ancillary equipment for maintenance tasks.

Wolf's solutions are fully flexible to enable different configurations to be built to your specific hazardous area requirement.



## WOLF CABLES, PLUGS & SOCKETS

All lights are supplied with SY 2.5mm<sup>2</sup> cable for the LX-400 and SY 4mm<sup>2</sup> cable for the WF-300, with ATX plugs and sockets as standard.







Ships braided cable (BS6883) and CEAG or Stahl plugs and sockets are available upon request.



# KIT STANDARD CONFIGURATIONS

	Product Reference	Diagram
NON-LINKED LIGHTS	4 x LX-400 180°	<p><b>SUPPLY</b> 110v / 230V</p> <p>Transformer Input Cable 15m</p> <p>Lamp Input Cable 20m</p> <p>24V Output</p>
	3 x LX-400 180° + 1 x 360°	<p><b>SUPPLY</b> 110v / 230V</p> <p>Transformer Input Cable 15m</p> <p>Lamp Input Cable 20m</p> <p>24V Output</p> <p>360°</p>
	2 x LX-400 180° + 2 x WF-300	<p><b>SUPPLY</b> 110v / 230V</p> <p>Transformer Input Cable 15m</p> <p>Lamp Input Cable 20m</p> <p>24V Output</p> <p>Lamp Input Cable 20m</p>
	4 x WF-300	<p><b>SUPPLY</b> 110v / 230V</p> <p>Transformer Input Cable 15m</p> <p>Lamp Input Cable 20m</p> <p>24V Output</p>
LINKED LIGHTS	8 x LX-400 180° (2 x chains of 4 linked lights)	<p><b>SUPPLY</b> 110v / 230V</p> <p>Transformer Input Cable 15m</p> <p>Lamp Input Cable 5m</p> <p>24V Output</p>
	4 x LX-400 180° (1 x chain of 4 linked lights) + 1 x WF-300	<p><b>SUPPLY</b> 110v / 230V</p> <p>Transformer Input Cable 15m</p> <p>Lamp Input Cable 5m</p> <p>Lamp Input Cable 20m</p> <p>24V Output</p>

In addition to these standard configurations, we can offer bespoke LED tank lighting kits based on your specific requirements in terms of cable extensions and the use of different lights on one transformer.

Product Image		Cabling	Transformer	Kit Code
	<b>Accessories include hanging straps (LX-400) and fitted protective film (LX-400 and WF-300) for each light.</b>	Standard cable length 20m per light SY 2.5mm <sup>2</sup> Cable for the LX-400	GRP 110V (LL-114)	LX-175
			SS 110V (LL-124)	LX-185
			GRP 230V (LL-214)	LX-275
			SS 230V (LL-224)	LX-285
		Standard cable length 20m per light SY 2.5mm <sup>2</sup> Cable for the LX-400	GRP 110V (LL-114)	LX-176
			SS 110V (LL-124)	LX-186
			GRP 230V (LL-214)	LX-276
			SS 230V (LL-224)	LX-286
		Standard cable length 20m per light SY 2.5mm <sup>2</sup> Cable for the LX-400 SY 4mm <sup>2</sup> Cable for the WF-300	GRP 110V (LL-114)	LX-137
			SS 110V (LL-124)	LX-157
			GRP 230V (LL-214)	LX-237
			SS 230V (LL-224)	LX-257
		Standard cable length 20m per light SY 4mm <sup>2</sup> Cable for the WF-300	GRP 110V (LL-114)	LL-135
			SS 110V (LL-124)	LL-155
			GRP 230V (LL-214)	LL-235
			SS 230V (LL-224)	LL-255
	Standard cable length 5m per light SY 2.5mm <sup>2</sup> Cable for the LX-400	GRP 110V (LL-114)	LX-177	
		SS 110V (LL-124)	LX-187	
		GRP 230V (LL-214)	LX-277	
		SS 230V (LL-224)	LX-287	
	Standard cable length 5m per LX-400/20m per WF-300 light SY 2.5mm <sup>2</sup> Cable for the LX-400 SY 4mm <sup>2</sup> Cable for the WF-300	GRP 110V (LL-114)	LX-178	
		SS 110V (LL-124)	LX-188	
		GRP 230V (LL-214)	LX-278	
		SS 230V (LL-224)	LX-288	

Please contact the **Wolf Safety's customer services team** to discuss further on **+44 (0)114 2551051** or email **info@wolf-safety.co.uk**

# KIT SPARES & OTHER LIGHTING OPTIONS

## WOLF SPARES

All products are designed to be user serviceable, backed up by technical advice and training on the operation and maintenance of products. A full spares service is offered for all internal and external fittings and accessories.

- Outer tubes
- Yellow end protectors / caps
- Trumpet glands
- Voltage drivers
- Replacement cable
- Tray assemblies
- Fixing kits and straps
- Replacement magnets
- Plugs and sockets

**Other items available upon request.**



## WOLF OTHER TEMPORARY LIGHTING EQUIPMENT

### ATEX Worklite

Rechargeable high output LED floodlight



### LinkEx™ Fluorescent Leadlamp

Temporary fluorescent luminaire



### Flameproof Leadlamp

Powerful safety halogen spotlight



### ATEX Turbolite

High-power compressed air safety lamp



Note: Changes may be made to the above specifications without notice, details of changes are available on request.



**Wolf Safety Lamp Company**

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This condensed guide is provided to aid in the selection of Wolf lighting products for use in potentially explosive atmospheres. Information given is based on practice within the EU as specified in the requirements of the 94/9/EC ATEX (Equipment) Directive and the 99/92/EC ATEX (Workplace) Directive. A complete 'ATEX Explained' poster is available upon request.

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