

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 and IECEx 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 IECEx



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The LinkEx™ LED Tank Lighting Kits, ATEX and IECEx 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 Floodlights
- 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 and IECEx 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. ”



KIT COMPONENTS

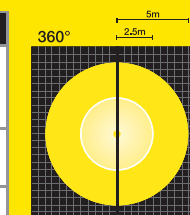
WOLF LINKEX™ LED TEMPORARY LUMINAIRE LX-400

LinkEx LED

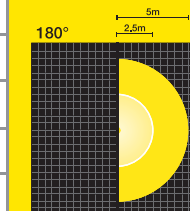
The LinkEx™ LED Temporary Luminaire is a high power LED Portable Leadlamp, ideal for ambient lighting, with CE marking to the 94/9/EC ATEX Equipment Directive and IECEx Certification, for safe use in Zones 1 and 2 potentially explosive gas and dust atmospheres, where a T3 temperature class permits.

- 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.

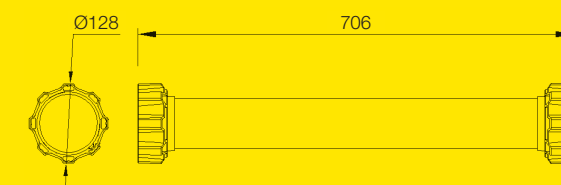
Ref	LX-400
Ex	II 2 GD Ex emb IIC T3 Gb Ex t IIIIC T170°C Db IP66/67 -20°C to +40°C SIRA12ATEX3177X IECEx SIR 12.0070X
G	Zones 1 & 2
D	Zones 21 & 22
kg	≈3.5Kg
↔	1280 x 706mm
⚡	19-28V AC/DC*
☀	Hi Power LED (3250lm)
💧	IP66/67



73 lux @ 2.5m
19 lux @ 5m



109 lux @ 2.5m
30 lux @ 5m



*Mains voltage 85-264V AC versions available

ACCESSORIES

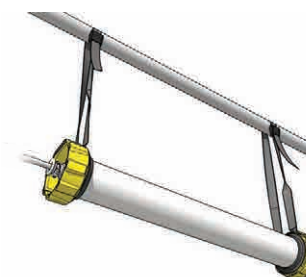
FIXING KITS

- 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

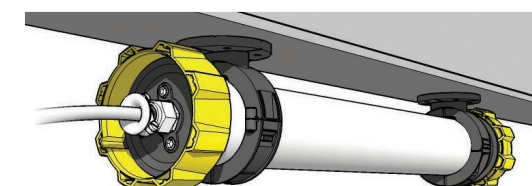
(Each kit contains the brackets to mount one LinkEx™ LED Temporary Luminaire or two lights where Dual specified)

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

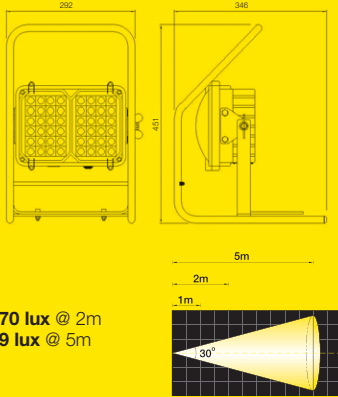
WOLF LINKEX™ LED FLOODLITE WF-300



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 IECEXSIR10.0016X
G	Zones 1 & 2
D	Zones 21 & 22
	9.0kg (excluding cable)
	292 x 451 x 354mm
	18-54V AC/DC*
	IP66/67
	48 x High Power LED (5200lm)








CE **ATEX** **IECEx**
 1180 *Mains voltage 100-254V AC versions available

WOLF ATEX TRANSFORMER GRP LL-114/T3 / LL-214/T3 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.



Ref	LL-114/T3	LL-214/T3	LL-124	LL-224
Description	GRP 110 volt transformer	GRP 230 volt transformer	Stainless Steel 110 volt transformer	Stainless Steel 230 volt transformer
	II 2 GD Ex ed IIC T3 Ex t A21 IP66 T195°C 320VA -20°C to +50°C 400VA -20°C to +35°C		II 2 GD Ex ed IIC T4 Ex tD A21 IP66 T135°C 350VA -20°C to +40°C 400VA -20°C to +30°C	
	LCIE02ATEX6248X IECEX LCI 04.0016X		SIRA08ATEX3182X	
G	Zones 1 and 2			
D	Zones 21 and 22			
	21kg		23kg	
	504x465x285		580x370x270	
	320 / 400VA		350 / 400VA	
	4 output sockets, ATX 24V 2P + E as standard			
	IP66			

ATEX IECEx

ACCESSORIES



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 CABLES, PLUGS & SOCKETS

All lights are supplied with SY 2.5mm² cable for the LX-400 and SY 4mm² 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.



WOLF TEMPORARY POWER DISTRIBUTION SYSTEMS

The range encompasses ATEX approved 400VA transformers 230V and 110V to 24V and 230V to 110V 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.



KIT STANDARD CONFIGURATIONS

A kit with GRP (Glass Reinforced Polyester) Transformer is ATEX and IECEx certified; with SS (Stainless Steel) Transformer is ATEX certified.

Product Reference		Diagram		Product Image		Transformer					Kit		
						Enclosure Voltage (Model)		VA	Temp. Class	Ambient Temp. (C°)	Code		
NON-LINKED LIGHTS	4 x LX-400 180°	<div>SUPPLY</div> <div>110v / 230V</div>	<div>Transformer Input Cable 15m</div> <div>Lamp Input Cable 20m SY 2.5mm²</div> <div>24V Output</div>			GRP 110V (LL-114/T3)		320	T3	-20 to +40	LX-175		
						SS 110V (LL-124)		350			LX-185		
						GRP 230 (LL-214/T3)		320			LX-275		
						SS 230V (LL-224)		350			LX-285		
	3 x LX-400 180° + 1 x 360°	<div>SUPPLY</div> <div>110v / 230V</div>	<div>Transformer Input Cable 15m</div> <div>Lamp Input Cable 20m SY 2.5mm²</div> <div>24V Output</div> <div>360°</div>			GRP 110V (LL-114/T3)		320	T3	-20 to +40	LX-176		
						SS 110V (LL-124)		350			LX-186		
						GRP 230 (LL-214/T3)		320			LX-276		
						SS 230V (LL-224)		350			LX-286		
	2 x LX-400 180° + 2 x WF-300	<div>SUPPLY</div> <div>110v / 230V</div>	<div>Transformer Input Cable 15m</div> <div>Lamp Input Cable 20m SY 2.5mm²</div> <div>24V Output</div> <div>Lamp Input Cable 20m SY 4mm²</div>			GRP 110V (LL-114/T3)		320	T3	-20 to +40	LX-137		
						SS 110V (LL-124)		350			LX-157		
						GRP 230 (LL-214/T3)		320			LX-237		
						SS 230V (LL-224)		350			LX-257		
	4 x WF-300	<div>SUPPLY</div> <div>110v / 230V</div>	<div>Transformer Input Cable 15m</div> <div>Lamp Input Cable 20m SY 4mm²</div> <div>24V Output</div>			GRP 110V (LL-114/T3)		400	T3	-20 to +35	LL-135		
						SS 110V (LL-124)		400	T4	-20 to +30	LL-155		
						GRP 230 (LL-214/T3)		400	T3	-20 to +35	LL-235		
						SS 230V (LL-224)		400	T4	-20 to +30	LL-255		
LINKED LIGHTS	8 x LX-400 180° (2 x chains of 4 linked lights)	<div>SUPPLY</div> <div>110v / 230V</div>	<div>Transformer Input Cable 15m</div> <div>Lamp Input Cable 5m SY 2.5mm²</div> <div>24V Output</div>			GRP 110V (LL-114/T3)		400	T3	-20 to +35	LX-177		
						SS 110V (LL-124)		350		-20 to +40	LX-187		
						GRP 230 (LL-214/T3)		400		-20 to +35	LX-277		
						SS 230V (LL-224)		350		-20 to +40	LX-287		

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.

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.

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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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