LED ATEX Tank Lighting Kits

Wolf®

www



Wolf®

0598

LED ATEX Tank Lighting Kits

LINKEX™ TANK LIGHTING KITS ARE ATEX AND IECEx CERTIFIED TO PROVIDE EXTRA LOW VOLTAGE TEMPORARY LIGHTING SOLUTIONS FOR ZONES 1 AND 2 (GAS), AND 21 AND 22 (DUST) HAZARDOUS AREAS, WHERE POTENTIALLY EXPLOSIVE GASES, MISTS, AND DUSTS MAY BE PRESENT IN A CONFINED SPACE.

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

- LX-400 LinkEx™ LED Temporary Luminaires
- LX-400E LinkEx™ LED Temporary Emergency Luminaires
- WF-250XL & WF-300XL LinkEx™LED Floodlites
- ATEX/IECEx Transformer: 230V or 110V to 24V
- A range of cables, plugs and socket types to work with power distribution systems
- Protective, fixing and mounting accessories

Features & Benefits

- ATEX and IECEx certified
- Approved for potentially explosive Gas and Dust atmospheres
- Power up to 8 LED Luminaires
- Emergency luminaires with backup battery supply for safe egress after any power loss
- Fitted with ATX plugs and sockets as standard
- Low-maintenance and easy to service
- Robust, durable and lightweight construction
- Quick and easy installation
- Wide range of fixing, mounting and protection accessories

SOVI™

All Wolf Safety lighting products included in Tank Lighting Kits are fitted with SOVI™

SOVI™ - the unique Safe Optimal Voltage Indicator system clearly alerts the user if lights are running outside the certified and optimal operating voltage ranges, maximising both safety and performance. In the unlikely event that the light is operating at a voltage above the maximum certified limit, the beam will pulse bright to dim, clearly warning the operator to take the appropriate action to ensure that work can continue safely in the Hazardous Area.

KIT COMPONENTS

LINKEX™ LED TEMPORARY LUMINAIRE

Emergency

LinkEx LED

THE LINKEX™ LED TEMPORARY LUMINAIRE IS A HIGH-POWERED LED LEADLAMP FOR USE IN SHORT-TERM LIGHTING INSTALLATIONS AND MAINTENANCE TASKS AND IS CE MARKED TO THE ATEX DIRECTIVE AND IECEX CERTIFIED FOR SAFE USE IN ZONES 1, 2 AND 21, 22 POTENTIALLY EXPLOSIVE GAS AND DUST ATMOSPHERES, WHERE THE TEMPERATURE CLASS PERMITS. EMERGENCY VERSIONS ARE ALSO AVAILABLE.

Features & Benefits

- ATEX and IECEx certified for safe use in Zones 1, 2 and 21, 22 potentially explosive gas and dust atmospheres
- T4 temperature class
- High power, low maintenance LED light source 'Fitted for Life'
- High and low input voltage versions available
- Fitted with ATX plugs and sockets as standard
- Compact and robust design
- Emergency Versions:
  - If the power supply should fail, the light will switch automatically to battery power
  - 3 hours battery duration (at reduced light output) to allow emergency evacuation



LINKEX™ LX-400 LUMINAIRE

Ref	LX-400/LX-400E
Ex	II 2 GD Ex eb mb IIC T4 Gb (-20°C to +55°C) Ex tb IIIC T135°C Db IP67 (Linkable IP66)
	CML 18ATEX3371X, IECEx CML 18.0197X
G	Zones 1 & 2, Gas Groups IIA, IIB, IIC
D	Zones 21 & 22, Dust Groups IIIA, IIIB, IIIC
kg	3kg without cable
	18-50V AC/DC (LV) 18-55V AC/DC (LV Emergency) 90-264V AC (HV) Emergency LV & HV available
	ø128mm x 729mm
	Up to 4,000lm (up to 1,500lm on emergency battery)
	IP66/IP67 (see instructions)



Magnet
LX-680



Tripod
(Medium Duty)
LL-699



Protective Film
LX-545/3

Anti-Static Protection Cover
LX-621/5



KIT COMPONENTS

LINKEX™ WF-250XL ATEX FLOODLITE

LinkEx LED

THE LINKEX™ WF-250XL LED FLOODLITE IS DESIGNED TO GIVE THE OPTIMUM LEVEL OF LIGHT FOR WORKING IN SMALLER, HAZARDOUS AREA CONFINED SPACES. IDEAL FOR 24 VOLT APPLICATIONS WITH A LIMITED POWER SUPPLY, UP TO 8 FLOOD-LIGHTS CAN BE USED IN DIFFERENT STRINGS FROM JUST ONE WOLF TRANSFORMER. FITTED WITH WOLF'S UNIQUE SOVI™ SYSTEM TO ENSURE SAFE OPERATION, THE FLOODLITE IS CERTIFIED FOR SAFE USE IN ZONES 1, 2 AND 21, 22 HAZARDOUS GAS, VAPOUR, MIST OR DUST ENVIRONMENTS.

Features & Benefits

- ATEX and IECEx certified for use in Zones 1, 2 and 21, 22 potentially explosive gas and dust atmospheres
- T4 temperature class
- Ideal light output for smaller confined spaces - minimal glare and shadows
- Delivers excellent visibility along extended areas – perfect for tunnels and corridors
- Highly reliable LEDs designed and tested to give 100,000+ hours life
- Effective work area illumination when using a limited power source
- Small, lightweight and compact - easy to carry
- Tough, reliable, proven materials for long life guarantee



LINKEX™ WF-250XL ATEX FLOODLITE

Ref	WF-250XL
Ex	II 2 G D Ex eb mb IIC T4 Gb Ex tb IIIC T118°C Db
	CML 18ATEX3372X, IECEx CML 18.0198X
G	Zones 1 & 2, Gas Groups IIA, IIB, IIC
D	Zones 21 and 22, Dust Groups IIIA, IIIB and IIIC
kg	5.4kg without cable
	18-50V AC/DC (LV) 90-264V AC/DC (HV)
	280mm x 297mm x 381mm
	Up to 4,788lm
	IP66 & IP67





Stainless Steel Mesh Cover
WF-478



Magnet kit
WF-545



Scaffold kit
WF-699

*magnet and scaffold fixing kits can be used with WF-250XL & WF-300XL Floodlites

LINKEX™ WF-300XL ATEX FLOODLITE

LinkEx LED

THE LINKEX™ WF-300XL LED FLOODLITE IS A HIGH PERFORMANCE, ROBUST, LIGHTWEIGHT AND PORTABLE FLOODLITE FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES. IT PROVIDES AN OUTSTANDING LEVEL OF WHITE LIGHT AND IS FULLY COM-PLIANT WITH THE LATEST ATEX AND IECEX STANDARDS. FITTED WITH WOLF'S UNIQUE SOVI SYSTEM TO ENSURE SAFE OPERA-TION, THE FLOODLITE IS CERTIFIED FOR SAFE USE IN ZONES 1, 2 AND 21, 22 HAZARDOUS GAS, VAPOUR, MIST OR DUST ENVIRONMENTS.

Features & Benefits

- ATEX and IECEx certified for use in Zones 1 and 2 explosive gas and dust atmospheres
- T4 temperature class
- Dual independent LED system powered by independent drivers giving failsafe product reliability
- Thermal management - LED life assured by efficient heat dissipation through built-in fins
- Safe to 0 volts – both LV and HV units are safe down to 0 volts
- Complementary product to existing range of LinkEx™ LED Temporary Luminaire area lighting systems



LINKEX™ WF-300XL ATEX FLOODLITE

Ref	WF-300XL
Ex	II 2 G D Ex eb mb IIC T4 Gb Ex tb IIIC T118°C Db
	CML 18ATEX3372X, IECEx CML 18.0198X
G	Zones 1 & 2, Gas Groups IIA, IIB, IIC
D	Zones 21 and 22, Dust Groups IIIA, IIIB and IIIC
kg	7.3kg without cable
	18-50V AC/DC (LV) 90-264V AC/DC (HV)
	294mm x 370mm X 480mm
	Up to 9,576lm
	IP66 & IP67



Anti-Static Lens Guard
WF-421/3



Stainless Steel Mesh Cover
WF-480



Anti-Static Protection Cover
WF-462

KIT COMPONENTS

TRANSFORMERS & POWER DISTRIBUTION

WOLF SAFETY TRANSFORMERS ARE CE MARKED TO THE ATEX DIRECTIVE AND IECEX CERTIFIED FOR USE IN POTENTIALLY EXPLOSIVE ENVIRONMENTS. ALL WOLF TRANSFORMERS ARE CERTIFIED FOR USE IN GAS ZONES 1 & 2 IN GAS GROUPS IIA, IIB & IIC, AND ALSO HAVE DUST CERTIFICATION FOR ZONES 21 & 22, IN DUST GROUPS IIIA, IIIB AND IIIC. AVAILABLE IN EITHER GRP (GLASS REINFORCED POLYESTER) OR STAINLESS STEEL, ALL OUR TRANSFORMERS ARE SEALED TO IP66 ENABLING USE IN WET AND DUSTY CONDITIONS, WITH A STAINLESS STEEL PROTECTIVE SKID MAKING THE UNITS EASY TO HANDLE AND INSTALL IN EVEN THE HARSHEST OF ENVIRONMENTS.

Ref	WOLF TRANSFORMERS
Ex	ATEX & IECEx certified T3 and T4 Models available
G	Zones 1 & 2, Gas Groups IIA, IIB, IIC
D	Zones 21 and 22, Dust Groups IIIA, IIIB and IIIC
Kg	25-28kg (without cable) - Model Dependent
	4 outputs, ATX 24V 2P + E as standard
	GRP - 605 x 485 x 310 mm (L x W x H) SS - 512 x 562 x 260 mm (L x W x H)
	IP66



STAINLESS STEEL TRANSFORMER



GRP TRANSFORMER

Features & Benefits

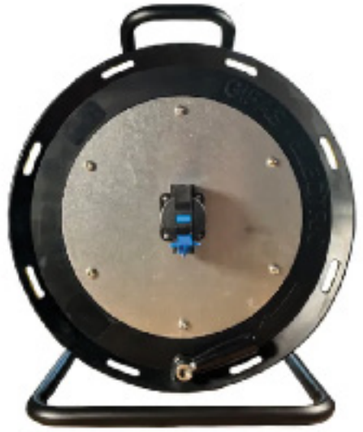
- Robust and durable construction
- Easy to manoeuvre and set up with protective steel skid which distances the body of the product from wet or dirty conditions
- Supplied with 15m SY cable and ATX plug. CEAG, STAHL and Marechal plug options available
- T3 and T4 Temperature class models available with an upper ambient operating temperature of up to +55°C
- Fitted with 4 x ATX socket outlets as standard (other sockets available upon request)
- 230V input transformer with 110V tap available
- Fully flexible to enable different configurations to be built to your specific Hazardous Area requirement
- Also available as a 230V input with a 110V output that can have a Centre Tapped Earth (CTE) if required

PLUGS

ALL WOLF TANK KIT COMPONENTS COME WITH AN ATX PLUG AS STANDARD, ALTHOUGH THEY CAN BE FITTED WITH CEAG, STAHL & MARECHAL PLUGS AND SOCKETS ON REQUEST.

POWER DISTRIBUTION SYSTEMS & CABLING

TANK LIGHTING KITS ARE ALSO COMPATIBLE WITH A RANGE OF ADDITIONAL ITEMS TO INCREASE THE FLEXIBILITY OF THE LIGHTING SOLUTION. CABLE REELS, EXTENSIONS AND SPLITTER BOXES ARE AVAILABLE, AS WELL AS MULTIPLE CABLING AND SOCKET OPTIONS TO BEST SUIT THE WORK TASK AT HAND.



ATEX CABLE REEL



STAINLESS STEEL SPLITTER BOX



GRP SPLITTER BOX



ATEX EXTENSION CABLE

CABLING

WOLF TANK KITS AND TRANSFORMER UNITS COME FITTED WITH SY CABLE AS STANDARD, ALTHOUGH SHIPS BRAIDED CABLING AND H07RN-F CABLING ARE AVAILABLE UPON REQUEST.



SY Cable



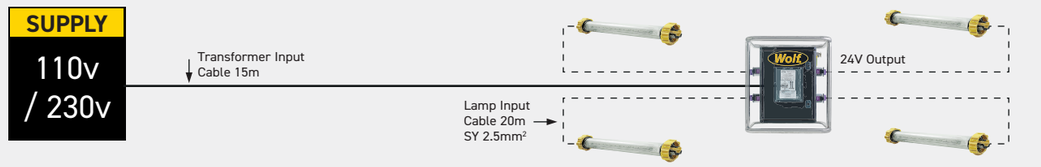
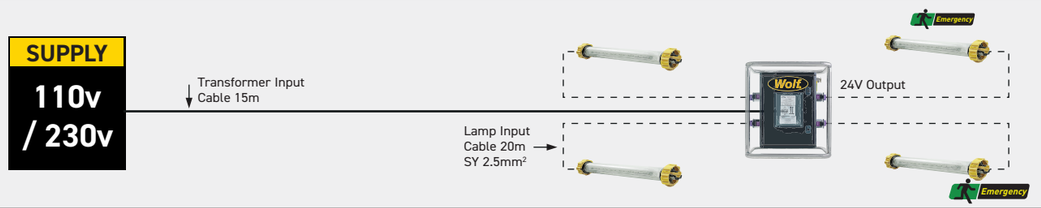
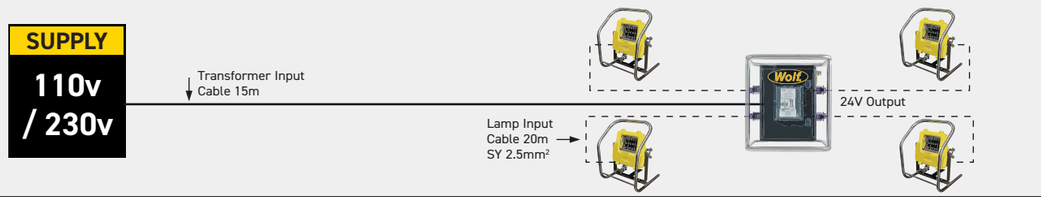
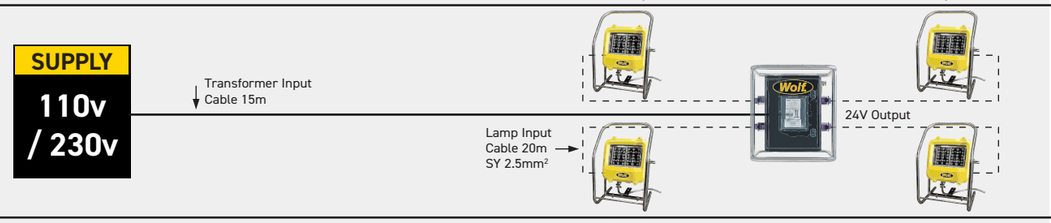
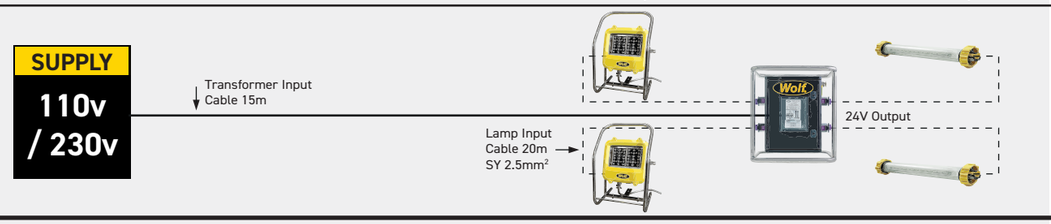
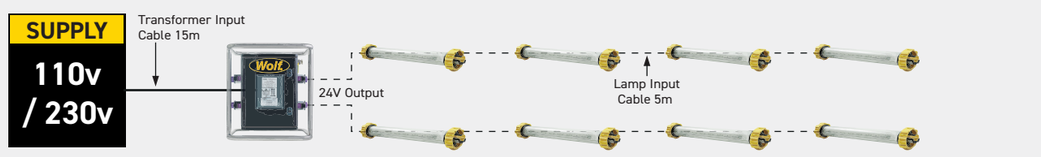
Ships Braided Cable



H07RN-F Cable

Further information on cable types is available on our website.

KIT STANDARD CONFIGURATIONS

	Product Reference	Diagram	Product Images	Transformer Voltage & Model	VA (Products)	Ambient Temp. (°C)	Kit Code
Non Linked Lights	**4 x LX-400 180°**			**GRP 110V (LL-114/T4/W)**	**160**	-20°C to +55°C	**LX-175/T4**
				SS-110V (LL-133/T4)	160		LX-185/T4
				GRP 230V (LL-214/T4/W)	**160**		**LX-275/T4**
				SS 230V (LL-233/T4)	160		LX-285/T4
	3 x LX-400 180°, 1 x LX-400E			**GRP 110V (LL-114/T4/W)**	**146**	-20°C to +55°C	**LX-146/T4**
				SS-110V (LL-133/T4)	146		LX-166/T4
				GRP 230V (LL-214/T4/W)	**146**		**LX-246/T4**
				SS 230V (LL-233/T4)	146		LX-266/T4
	4 x WF-250XL			**GRP 110V (LL-114/T4/W)**	**168**	-20°C to +55°C	**LL-139/T4**
				SS-110V (LL-133/T4)	168		LL-159/T4
				GRP 230V (LL-214/T4/W)	**168**		**LL-239/T4**
				SS 230V (LL-233/T4)	168		LL-259/T4
	4 x WF-300XL			**GRP 110V (LL-114/T4/W)**	**336**	-20°C to +44°C (GRP) -20°C to +30°C (SS)	**LL-135/T4**
				SS-110V (LL-133/T3)	336		LL-155/T3
				GRP 230V (LL-214/T4/W)	336		**LL-235/T4**
				SS 230V (LL-233/T3)	336		LL-255/T3
	2 x LX-400 180°, 2 x WF-300XL			**GRP 110V (LL-114/T4/W)**	**248**	-20°C to +55°C	**LX-137/T4**
				SS-110V (LL-133/T4)	248		LX-157/T4
				GRP 230V (LL-214/T4/W)	**248**		**LX-237/T4**
				SS 230V (LL-233/T4)	248		LX-257/T4
Linked Lights	**8 x LX-400 180°** (2 x chains of 4 linked lights)			**GRP 110V (LL-114/T4/W)**	**320**	-20°C to +48°C (GRP) -20°C to +42°C (SS)	**LX-177/T4**
				SS-110V (LL-133/T3)	320		LX-187/T3
				GRP 230V (LL-214/T4/W)	**320**		**LX-277/T4**
				SS 230V (LL-233/T3)	320		LX-287/T3

All standard LX-400 models can be replaced by LX-400E Emergency units - contact Wolf Safety for more information

In addition to our standard configurations, we offer bespoke LED Tank Lighting Kits tailored to your specific light output needs and working environment - along with a range of accessories designed to maximise efficiency

Contact Wolf Safety for recommended fusing and cable lengths

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
- LED array
- Fixing kits and straps
- Stainless steel skids
- Plugs and sockets
- ATEX and IECEx certified anti-static protective films and covers

Other items available upon request



WOLF COMPLEMENTARY LIGHTING EQUIPMENT

ATEX WORKLITES
High output rechargeable LED Floodlites



ATEX TURBOLITES
High-powered compressed air safety lamps



HANDLAMPS
Rechargeable and primary cell powered handlamps including Zone 0 Flood Banks



HANDHELD LEADLAMPS
Lightweight portable ATEX LED inspection lamps

