WORLD'S LEADING MANUFACTURER
OF HAZARDOUS AREA PORTABLE
& TEMPORARY LIGHTING

LinkEx™ LED Temporary Luminaire

Zones: 1, 2, 21 and 22

Product Overview

NEW T4 MODELS FOR 2019, AVAILABLE IN BOTH LV AND HV MODELS, IN ADDITION TO THE EXISTING T3 RANGE

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 and 2 potentially explosive gas and dust atmospheres, where a T3/T4 (model dependent) temperature class permits.

The new T4 model:

- Has 25% more light output at source
- Has 300% the light output at the widest part of the beam - 33 lux at 2 metres
- Weighs almost 20% less

The range of LinkEx™ LED Temporary Luminaires provides high quality ambient lighting. Each light utilises two arrays of high power LEDs which:

- Supply brilliant white light output
- Are highly reliable
- Are a low maintenance 'fitted for life' light source, and allow power savings which allow longer cable runs and more lights to be powered from a single supply

Luminaires are available in '180°' format (arrays side-by-side) to give effective unidirectional illumination or in '360°' format (arrays back-to-back), to special order, to give effective omni-directional 'all round' illumination.

Features & Benefits

- ATEX and IECEx certified for use in Zones 1 and 2 explosive gas and dust atmospheres
- Features the unique SOVI (Safe Optimal Voltage Indicator)
  - T4 - the beam will pulse to indicate if the lamp is not at optimum performance voltage. Safe to 0 volts supply
  - T3 HV - has a coloured LED indicator to confirm the lamp is operating safely
- T4 temperature class version available
- High power, low maintenance LED light source 'Fitted for Life'
- High and low input voltage versions available
- Available with ATEX plugs and sockets to link in series/chain
- Compact and robust design
- Low power consumption
- Certified, anti-static, protection film and bags available (bags only approved for T4 models)
- Wide range of fixing and mounting accessories available

Certifications

0598

The unit's construction is lightweight, compact and highly robust, with impact resistant end caps and tube (with anti-static and light diffusing coatings) plus the high visibility shock absorbing bump rings are chemical resistant and minimise the risk of drop damage, all ideal for handling in demanding conditions. Units can be fitted with integral ATEX sockets allowing multiple lamps to be quickly and safely connected and positioned in a chain, even whilst energised in an Ex Atmosphere.

Available in two voltage input ranges: high voltage 90-264V AC for general applications and low voltage 18-50V AC/DC for use in confined space applications, such as metal tanks, with a higher risk of electric shock. The wide input voltage ranges maximise usability and safety for chains of multiple lights or for long cable runs, where supply voltage can drop. The unique **SOVI™** (Safe Optimal Voltage Indicator) monitoring system clearly indicates when the supply voltage is operating outside the specified limits; in the LV versions and the T4 HV models, the light will pulse either dimmer (if voltage input is above the specified limit) or pulse brighter (if the input voltage is below the specified limit). In the T3 HV versions an LED indicator will flash to alert the user to take appropriate action.

Technical Specification

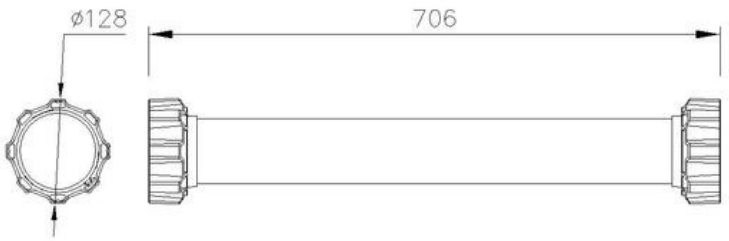
Product Reference		**LX-400**	
Product Description		LinkEx LED ATEX Temporary Luminaire	
		T4 Low (LV) & High (HV) Voltage	T3 High Voltage (HV)
Code		**NON-LINKABLE** II 2 GD Ex e mb op is IIC T4 Gb (-20°C to +55°C) Ex t IIIC T135°C Db IP67 **LINKABLE** II 2 GD Ex e mb opis IIC T4 Gb (-20°C to +55°C) Ex t IIIC T135°C Db IP66*	**NON-LINKABLE** II 2 GD Ex e mb op is IIC T3 Gb (-20°C to +40°C) Ex t IIIC T170°C Db IP67 **LINKABLE** II 2 GD Ex e mb op is d IIC T3 Gb (-20°C to +40°C) Ex t IIIC T170°C Db IP66*
Type of Protection		"e" increased safety, "mb" encapsulation, "d" flameproof	
Area of Classification (Gas)		Zones 1 & 2, Gas Groups IIA, IIB, IIC	
Temperature Class		T4	T3
Area of Classification (Dust)		Zones 21 & 22	
Max Surface Temp (Dust)		135°C	170°C
Ambient Temperature		-20°C to +55°C	-20°C to +40°C
Certificate		SIRA12ATEX3177X, IECEx SIR 12.0070X	
Enclosure and Lens		Polycarbonate with Anti-static Coating	
Beam Type		Wide Angle, Diffused Area Light (180° or 360°)	
Light Source:	**Type**	LED	
	Life	Over 60,000 hrs	
	Power	24VAC ≈27W (42VA) 48VAC ≈27W (51VA) HV ≈ 26W	≈32W
	Output	4,000lm (at source)	3,250 lm (at source)
Input Voltage		LV 18-50V AC/DC HV 90-264V AC	85-264V AC
Weight (Non-linkable)		3.0kg without cable	3.6kg without cable
Length (Non-Linkable)		0.7m	

Ingress Protection	Non-Linkable (No Socket) IP67 / Linkable (Socket Fitted) IP66*
Included	Supplied with lens protecting film (LX-545), protection cover kit (LX-621) and hanging straps (LX-654)

*Lamps fitted with Stahl sockets are IP54 and are not dust approved, so are marked II 2 G Ex eb mb op is IIC T3 Gb or II 2 G Ex eb mb op is IIC T4 Gb Ta = -20°C to +55°C

- All information has been gathered under laboratory conditions, the user must regard the values given as approximate.
- Changes may be made to the above specification without notification, details are available on request.

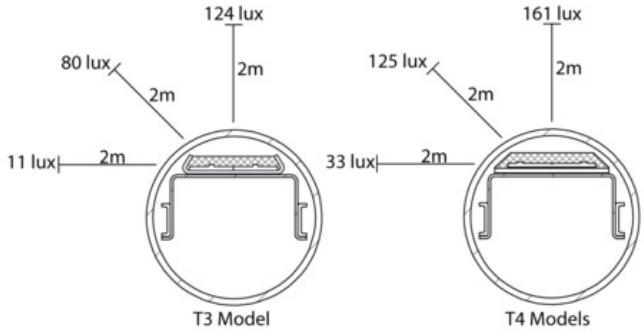
Product Dimensions



Light Output

180°
Peak Luminous Intensity at 2m **161 lux** (T4 models), **127.9** lux at 2.5m (T3 model)

360°
Peak Luminous Intensity at 2.5m **73 lux**, at 5m **19 lux** (T3 models)



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