

LinkEx™ LED Temporary Luminaire

Zones: 1, 2, 21 and 22



Product Overview

The LinkEx™ LED Temporary Luminaire is a high power 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.

Providing high quality ambient lighting, each unit utilises two arrays of high power LEDs offering brilliant white light output, high reliability, low maintenance 'fitted for life' light source, and power savings allowing longer cable runs and more lights powered from a single supply. Luminaires are supplied 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.

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 whilst energised.

Available in two voltage input ranges: high voltage 85-264V 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 HV version an LED indicator will flash red, and in the LV version the light will pulse either dimmer (if above the specified limit) or pulse brighter (if below the specified limit).

Features & Benefits

- ATEX and IECEx certified for use in Zones 1 and 2 explosive gas and dust atmospheres
- High power, low maintenance LED light source 'Fitted for Life'
- High and low input voltage versions available
- Incorporates unique SOVI (Safe Operation Voltage Indicator) monitor
- Available with ATEX plugs and sockets to link in series/chain
- Compact and robust design
- Low power consumption
- Wide range of fixing and mounting accessories available

Certifications

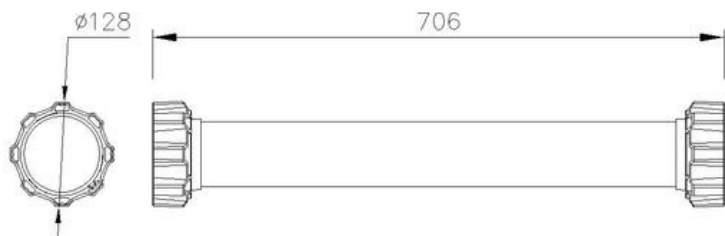


Technical Specification

Product Reference		LX-400	
Product Description		LinkEx LED ATEX Temporary Luminaire	
		Low Voltage (LV)	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)	≈32W
	Output	4,000lm (at source)	3,250 lm (at source)
Input Voltage		18-50V AC/DC	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 and hanging straps	

- *Lamps fitted with Stahl sockets are IP54.
- 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



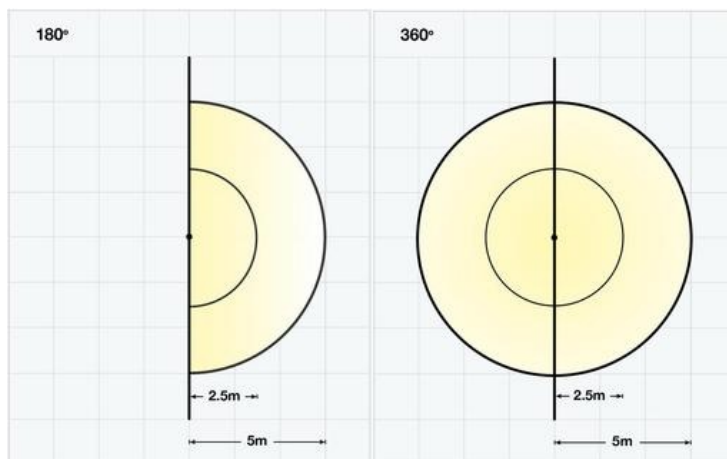
Light Output

180°

Peak Luminous Intensity at 2.5m **109 lux**, at 5m **30 lux**

360°

Peak Luminous Intensity at 2.5m **73 lux**, at 5m **19 lux**



Version: SL037 Issue 6 DF497