

LinkEx™ LED ATEX Emergency Temporary Luminaire

Zones: 1, 2, 21 and 22



Product Overview

The LinkEx™ LED Temporary Emergency Luminaire has all the product features of the existing LX-400 range of LED Temporary luminaires - including the unique SOVI™ (Safe Optimal Voltage Indicator) system - and in addition provides increased safety by automatically switching to the battery power source should there be any interruption to the normal power supply.

Running on the built-in battery supply, light will be emitted at a reduced level for 3 hours, allowing safe evacuation of the Hazardous Area.

The new LinkEx™ LED Temporary Emergency Luminaire 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 T4 temperature class permits.

Giving high quality ambient lighting, each unit utilises two arrays of high powered LEDs to give a brilliant white light output, high reliability and a low maintenance, 'fitted for life', light source. The luminaires will be supplied in a '180°' format with the LED arrays positioned side-by-side to give effective unidirectional illumination.

Lightweight, compact and robust, the luminaire has impact resistant end caps and tube (with anti-static and light diffusing coatings).

High visibility, chemical resistant, shock absorbing bump rings minimise the risk of drop damage. An ATEX socket can be fitted to allow multiple lamps to be quickly and safely connected and positioned in a chain whilst energised.

Available in HV 90-264V AC and LV 18-55V 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.

Features & Benefits

- Emergency Function: 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
- ATEX and IECEx certified for use in Zones 1 and 2 explosive gas and dust atmospheres
- 3,000 lumens light output at source
- Exit version available
- Features SOVI™ (Safe Optimal Voltage Indicator) - the unique safety technology which warns the user if the input voltage either exceeds the safe and certified range, or falls below the optimum voltage input range
- Available in HV (High Voltage) 90-264V AC and LV (Low Voltage) 18-55V AC/DC
- T4 temperature class; + 55° C ambient temperature
- Safe and certified down to 0 volts
- Unique Hazardous Area Certified anti-static protection films and bags available
- Available with ATEX plugs and sockets to link in series/chain
- High power, low maintenance LED light source 'Fitted for Life'
- Compact and robust design
- Low power consumption
- Wide range of fixing and mounting accessories available

Certifications



The unique SOVI (Safe Optimal Voltage Indicator) monitoring system clearly indicates when the supply voltage is operating outside the specified limits - the light will pulse dimmer if the supply voltage is above the specified limit, and brighter if below the specified limit.

Available in an Emergency Exit version, the luminaire positioned at exits, doors, escape routes, stairways and intersections ensure safe evacuation if needed.

Technical Specification

Product Reference	LX-400E (Emergency)	
Product Description	LinkEx LED ATEX Emergency Temporary Luminaire	
	Emergency Low Voltage (LV) 18-55 V AC/DC	Emergency High Voltage (HV) 90-264V AC
Code	<p>Non-Linkable</p> <p>II 2 GD Ex eb mb op is IIC T4 Gb (-20°C to +55°C)</p> <p>Ex tb op is IIIC T135°C Db IP67</p> <p>Linkable</p> <p>II 2 GD Ex eb mb op is IIC T4 Gb (-20°C to +55°C)</p> <p>Ex tb op is IIIC T135°C Db IP66</p>	
Type of Protection	"eb" increased safety, "mb" encapsulation	
Area of Classification	Zones 1 & 2, Gas Groups IIA, IIB, IIC	
Temperature Class	T4	
Area of Classification	Zones 21 & 22	
Max Surface Temp (Dust)	135°C	
Ambient Temperature	-20°C to +55°C	
Certificate	Sira 12ATEX3177X, IECEx SIR 12.0070X	
Enclosure and Lens	Polycarbonate with Anti-static Coating	
Beam Type	Wide Angle, Diffused Area Light 180°	
Light Source:	Type	LED
	Life	Over 60,000 hrs
	Power	26VA ≈25W ≈26W
	Output	Up to 3,000 lumens, (output on emergency battery is 1,500 lumens)
Input Voltage	18-55V AC/DC	90-264V AC
Weight (Non-Linkable)	3.2kg without cable	

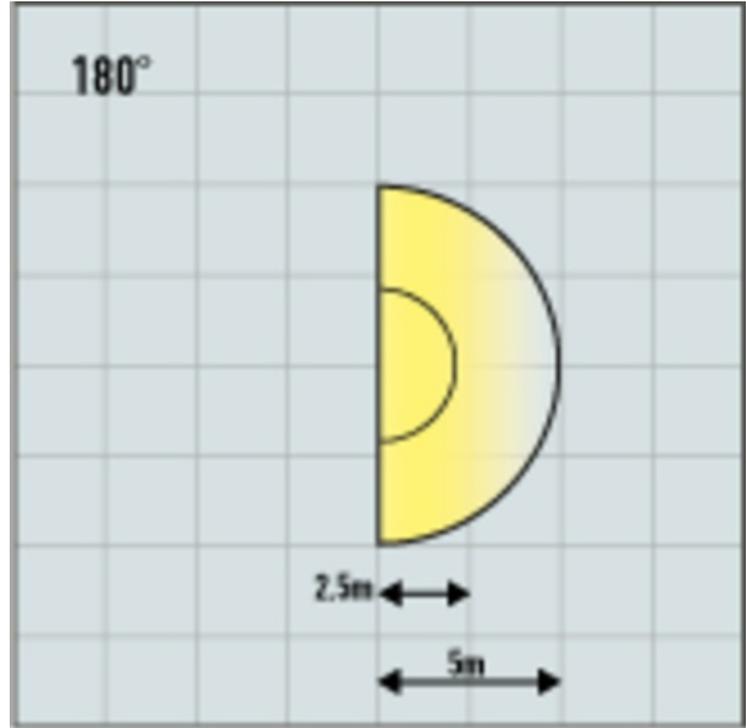
Length (Non-Linkable)	0.7m
Ingress Protection	Non-Linkable (No Socket) IP67 / Linkable (Socket Fitted) IP66
Included	Hanging Straps

- 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



Version: SL085 DF528 Issue 6



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