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

AVAILABLE Q3 2018 - LinkEx™ LED ATEX Emergency Temporary Luminaire

Zones: 1, 2, 21 and 22

Product Overview

AVAILABLE IN THE SECOND QUARTER, 2018, the LinkEx™ LED Temporary Emergency Luminaire retains all the benefits 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 emited at a reduced level for 3 hours, allowing safe evacuation of the hazardous area.

The new LinkEx™ LED Temporary Emergency Luminaire will be 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/DC and LV 18-54V 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 - the light will pulse dimmer if the supply voltage is above the specified limit, and brighter if below the specified limit.

Features & Benefits

- If the power supply fails the emergency light switches automatically to battery power
- 3 hours battery duration (at reduced light output) to allow emergency evacuation
- To be 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 Optimal 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

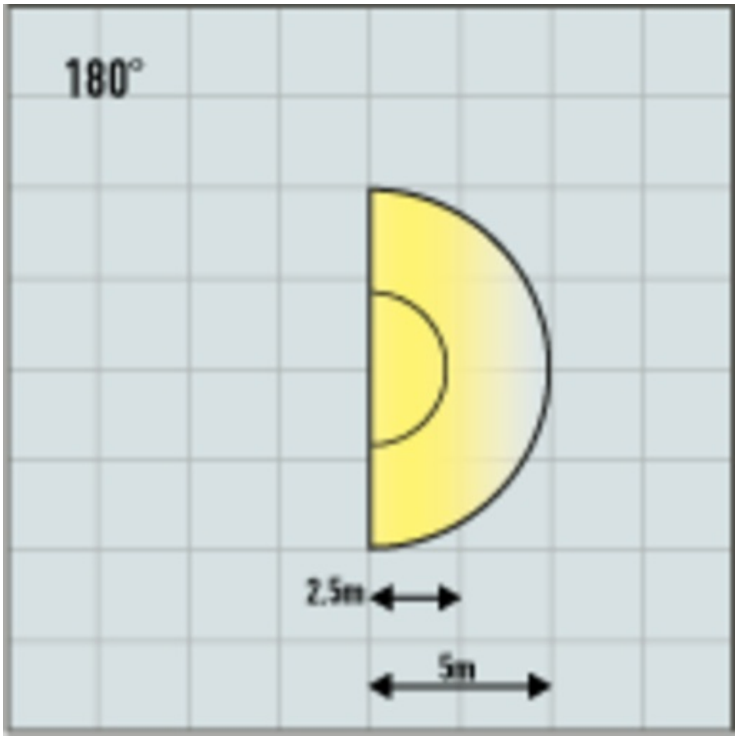
Product Reference		**LX-400E (Emergency) - Available From Q3 2018**	
Product Description		LinkEx LED ATEX Emergency Temporary Luminaire	
		Emergency Low Voltage (LV)	Emergency High Voltage (HV)
Code (subject to final certification)		**Non-Linkable** II 2 GD Ex e mb op is IIC T4 Gb (-20°C to +55°C) Ex t IIIC T135°C Db IP67 **Linkable** II 2 GD Ex e mb d op is IIC T4 Gb (-20°C to +55°C) Ex t IIIC T135°C Db IP66	
Type of Protection		"e" increased safety, "mb" encapsulation, "d" flameproof	
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	
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	24VAC ≈27W (42VA) 42V ≈27W(48VA)	≈32W
	Output	Up to 2400lm, (output on emergency battery is 1200lm)	
Input Voltage		18-54V AC/DC	90-264V AC
Weight (Non-Linkable)		3.2kg without cable	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 Issue 1 DF430

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ISO 9001
BUREAU VERITAS
Certification