

## LXEX-ST30126500

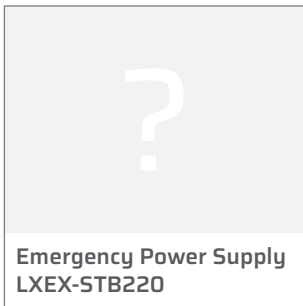
- IP67-rated, protected by flexible injection-moulded silicone for robust dust and water ingress protection, suitable for harsh environments.
- Available in 24V DC variants, with additional voltage options available subject to project requirements.
- Available in white for continuous illumination applications and coloured versions for safety and signalling systems.
- Equipped with high-brightness SMD LED chips, delivering high visibility and uniform illumination.
- Designed for long service life exceeding 50,000 hours (L70), providing durable, energy-efficient operation with low power consumption.



The LXEX-ST Series is an ATEX/IECEX-certified linear LED luminaire engineered for hazardous area installations (Zone 1/21 & 2/22), compliant with EN IEC 60079 standards (Ex mb op is IIC/IIIC). The system incorporates high-efficiency SMD LED arrays delivering up to ~1000 lm/m with a 100° wide beam distribution and stable photometric performance (CRI ≥80), ensuring uniform, low-glare illumination for both general and task lighting applications. The luminaire is fully encapsulated within an IP67/IK10-rated injection-moulded silicone housing with an integrated diffuser, providing superior ingress protection, impact resistance, and long-term durability in harsh environments (-40°C to +80°C). Multi-voltage compatibility (24-48V DC/AC) combined with sealed IP67 interconnects enables safe, flexible installation across extended runs. Certified for use in explosive gas (IIC) and dust (IIIC) atmospheres, the LXEX-ST Series offers a robust, low-maintenance lighting solution for safety-critical industrial applications.

<https://lmxled.co.uk/product/explosion-proof-strip/>

### Associated products



## Bomb proof?

### Case Study Project

LMX delivered a custom-designed ATEX-rated LED strip, engineered specifically for EDF's operational needs. EDF required a safe, reliable, and energy-efficient lighting solution for their multiple UK nuclear facilities. These potentially hazardous environments demand equipment that meets stringent ATEX safety standards while delivering ultra-bright, uniform illumination for detail work under challenging conditions. The LMX ATEX strip has since become a trusted solution within EDF's maintenance operations, supporting both routine and critical tasks across their sites.

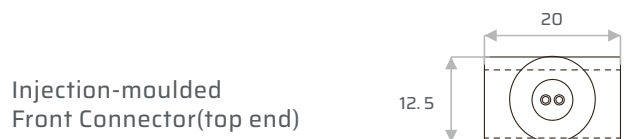
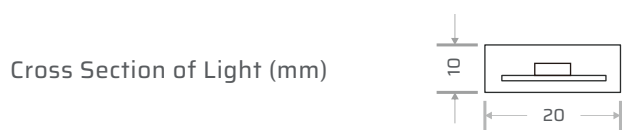
### Review

*"We required a specialised 110V ATEX-rated LED strip with a 3-hour emergency option at Heysham Power Station. LMXLED delivered exactly what we needed. Their technical knowledge was exceptional, and they fully understood our stringent requirements. We were extremely impressed with both the product and the support we have received, thank you LMXLED."*  
 Denton Cunningham  
 EDF ENERGY

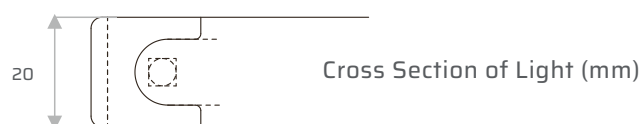
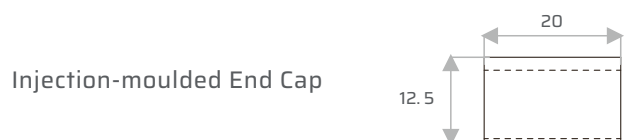
<b>Data</b>	<b>LXEX-ST30126500</b>
Input Voltage	DC 24V
Power Consumption	12 W/m (system power 180 W)
Beam Angle	average beam angle (50%): 99.9 deg
CCT (K)	6500 K
CRI	80
Luminous Flux (lm)	1000 lm/m
Efficiency (lm/W)	83.33 lm/W
Power Factor	1
<hr/>	
Nominal Strip Length	2 x 15m = 30m (other lengths available)
Dimensions	W 20 mm x H 10 mm
Housing / Jacket Material	injection-moulded silicone (silica gel)
Diffuser Type	integrated silicone diffuser
End Connector Type	injection-moulded waterproof connector
Weight (per metre)	285 g/m
Flammability (UL94)	HB
Maximum Connectable Length	30M
<hr/>	
Operating Temperature Range	-40°C to 80°C
IP Rating	IP67
IK Rating	IK10
<hr/>	
LED Lifetime (L70)	50,000 hours
Photobiological Safety	RGO (IEC/EN 62471)
Certificates	ATEX / IECEx, EN IEC 60079-0, EN IEC 60079-18, EN IEC 60079-28, EN45545
Ex Marking Db	II 2G Ex mb op is IIC T4 Gb II 2D Ex mb op is IIIC T135°C

*...or designed to your exact specifications.*

**LXEX-ST30126500**



Connect light to power supply with pre-installed front feed cable IP65/IP67.



Note: Unless otherwise stated, the tolerance of the connector is  $\pm 0.5$ mm.

**Surface and Pendant mounts**



Data	LXEX-STB220
Input Voltage	DC 240V
Nominal Frequency	50/60Hz
Power Consumption	12W per meter
System Power	180W
Emergency Power Output	DC70-250V 27W+/-5% constant watt type
Battery Capacity	11.1V 2.6Ah Li-ion Battery
<hr/>	
Housing Material	PC
Product Dimensions	139 x 30 x 22mm
Product Weight	1.93 Kg
Input Cable	0.5-1.5mm <sup>2</sup> Meters H07RN-F 3G 1.5mm <sup>2</sup> Black Cable (including CEE plug)
Output Cable	220mm H07RN-F 3G 1.5mm <sup>2</sup> Black Cable (including CEE male & female connectors) 1250 lm/m
<hr/>	
Operating Temperature	0°C to 45°C
Ambient Temperature	-25°C to 45°C
<hr/>	
Charging Time	24 hours
Emergency Working Time	1.5 hours
System self-consumption	Battery self-consumption in emergency shutdown state <50uA

