LED Strip Light

LXSM-25HN125-230

LXSM-25HN125-110

LXSM-25HN55-230

LXSM-25HN55-110

- Available in 25m, 50m, and customisable lengths.
- 5 W/m or 12 W/m available, dimmable.
- High density 180 LED chips per meter for superior brightness.
- Easy installation 25m lengths joined 'plug-and-play'.
- Up to 100m can be achieved using the 5 W/m model, and up to 50m with the 12 W/m model.
- Up to 1200 lm/m, dimmable.
- 3 hour emergency backup option available.
- SMD 2835

The temporary LED strip lighting system incorporates a high-density 180 LED/m configuration, delivering luminous outputs up to 1200 lm/m with consistent photometric performance and uniform illumination. The luminaire assembly utilises a flame-retardant PVC housing with integrated copper conductors, providing high mechanical flexibility and durability for demanding operating environments. Rated to IP65 and IK10, the system is engineered for continuous-duty operation with stable thermal and electrical performance across extended installation lengths. Compliant with EN 60598 luminaire safety and EMC standards, the system is available in both 110V and 230V configurations, with emergency battery backup options available.

Associated products

Emergency Power Supply LXEP-01110

Emergency Power Supply LXEP-01230

Hot plug up to 100m of fast, and efficient lighting.

Case Study Project

Knight Build required a durable and reliable temporary lighting solution for use across multiple construction sites operating in demanding conditions. LMX LED supplied its 110V LED strip lighting system, delivering consistent, high-output illumination for walkways and working areas. The system enabled quick installation and performed reliably across various site environments. The solution has been successfully deployed across numerous projects, providing dependable performance and improved site visibility.

Review

"*"An excellent product with outstanding build quality. The lighting levels achieved on site were excellent, providing clear and consistent illumination throughout the working areas. The system was straightforward to install, reliable in operation, and has performed exceptionally well across multiple construction sites."*
Knight Build

LED Strip Light Datasheet

Data	LXSM-25HN125-230	LXSM-25HN125-110	LXSM-25HN55-230	LXSM-25HN55-110
Input Voltage	230V	110V	230V	110V
System Power	300W	275W	125W	125W
Power (W/m)	12 W/m	11 W/m	5.6 W/m	5.6 W/m
Power Factor	0.94	0.94	0.94	0.94
Luminous Flux	1200 lm/m	1100 lm/m	500 lm/m	500 lm/m
Lumen/W	100 lm/W	100 lm/W	100 lm/W	100 lm/W
Beam Angle	120º	120º	120º	120º
CCT (K)	5000K	5000K	5000K	5000K
Colour Tolerance	2.1	2.1	2.1	2.1
CRI	>80	>80	>80	>80
Strip Length	25m	25m	25m	25m
Max connectable length	100m	50m	150m	100m
Dimensions H x dia. mm	16 x 8mm	16 x 8mm	16 x 8mm	16 x 8mm
Material	PVC, PCB, LED	PVC, PCB, LED	PVC, PCB, LED	PVC, PCB, LED
Weight	5 Kg	5 Kg	5 Kg	5 Kg
Flammability UL94	v1	v1	v1	v1
IP Rating	IP65	IP65	IP65	IP65
IK Rating	IK10	IK10	IK10	K10
Ambient temperature	-10°C to 45°C	-10°C to 45°C	-10°C to 45°C	-10°C to 45°C
LED lifetime (L70, B50)	30,000 hours	30,000 hours	30,000 hours	30,000 hours
Standards	CE, UKCA, RoHs, RCM, D, EN 60598-1, EN 60598-2-20, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, EN 62471			

...or we can design this product to your exact specifications

LED Striplight Emergency Power Supply Datasheet

Data	LXEP-01110	LXEP-01230
Input Voltage	AC 85 – 130V	AC 100 – 277V
Nominal Frequency	50/60Hz	50/60Hz
Output Voltage	DC 75 – 83V	DC 50 – 180V
Lamp Power	600W Max	1500W
Emergency Power Output	50 Max	50 Max
Emergency Working Time	3 Hours	2 Hours
Charging Time	24 Hours	24 Hours
Input Cable	1.2 meter length, 2*1.5mm	1.2 meter length, 2*1.5mm
Output Cable	0.5 meter length, 2*1.5mm	0.5 meter length, 2*1.5mm
Working Temperature	–35°C to +65°C	–35°C to +65°C
Ambient Temperature	-10°C to +45°C	-10°C to +45°C
IP grade	IP65	IP65
Warranty	2 Years	2 Years

• Automatic Reset, power supply ceases after 60 minutes in emergency mode but will resume for another 60 minutes if power is restored and then lost again.

• Charging Indicator, green light when more than 90% charged, and red light when less than 90% charged.

• 80V when the emergency function is operational.

• Minimum Starting Emergency Power: 20W.

Designed to ensure safety and continuous operation during power outages, making it a robust choice for construction sites and various other demanding environments.