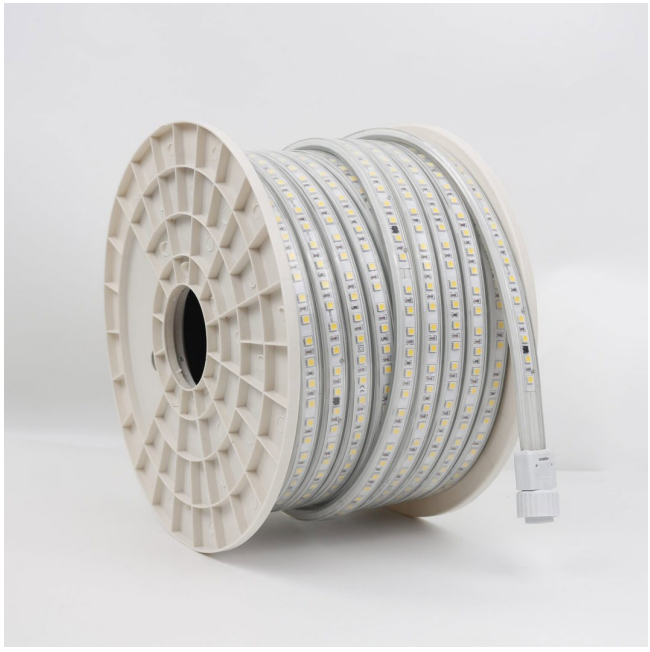
LED Tunnel Striplights



LXGD-120-25-110 — 100m

LXGD-144-25-110 — 150m

LXGD-72-50-110 — 200m

- Designed for constant optimal performance and durability in adverse conditions with high lumen output.
- Customisable lengths with quick connector.
- Emergency backup options available.
- Flexible PVC housing with strong weather resistance and fire resistance.
- Designed with robust materials to withstand the demanding conditions of a tunnel.
- Enhanced safety UL94 V-0 flame retardant and LZOH options available.

Our tunnel LED strip is designed to be plugged directly into an AC power source without needing an additional power supply. This simplifies installation and allows for easy plugging and unplugging (hot plugging) without risk, which is particularly useful in environments where the lighting might need to be temporarily disconnected or moved. The strip uses SMD5050 LEDs, known for their high brightness and energy efficiency. The use of multi-strand pure copper in the main conducting cable ensures low impedance (resistance), which minimises energy loss and heat generation. This material also has good chemical stability, meaning it resists corrosion and degradation over time, contributing to the longevity of the product. Designed for durability, safety, and ease of use, making it an ideal choice for various lighting applications where reliability and performance are key.

https://lmxled.co.uk/product/200m-tunnel-solution-2/

Associated products

Emergency Power Supply LXGD01BU3HR

Hot plug up to 200m of robust lighting, fast, and efficient.

Case Study Project

As part of the HS2 programme, contractors required a safe, reliable and energy-efficient temporary lighting system for major construction areas including the Chiltern Tunnels, Bromford Tunnel and the Colne Valley Viaduct (the UK's longest rail bridge at 2.1 miles). These environments demand long-distance lighting runs, high uniformity, and robust performance under challenging conditions. LMX LED designed and delivered.

Review

"*LMX LED were instrumental in achieving our strict demands to control light pollution across the south portal in Denham for HS2, we also had numerous challenges in designing the lighting for our many buildings, thankfully LMXLED were on hand to make this process seamless. I will be using LMXLED in the future.*"

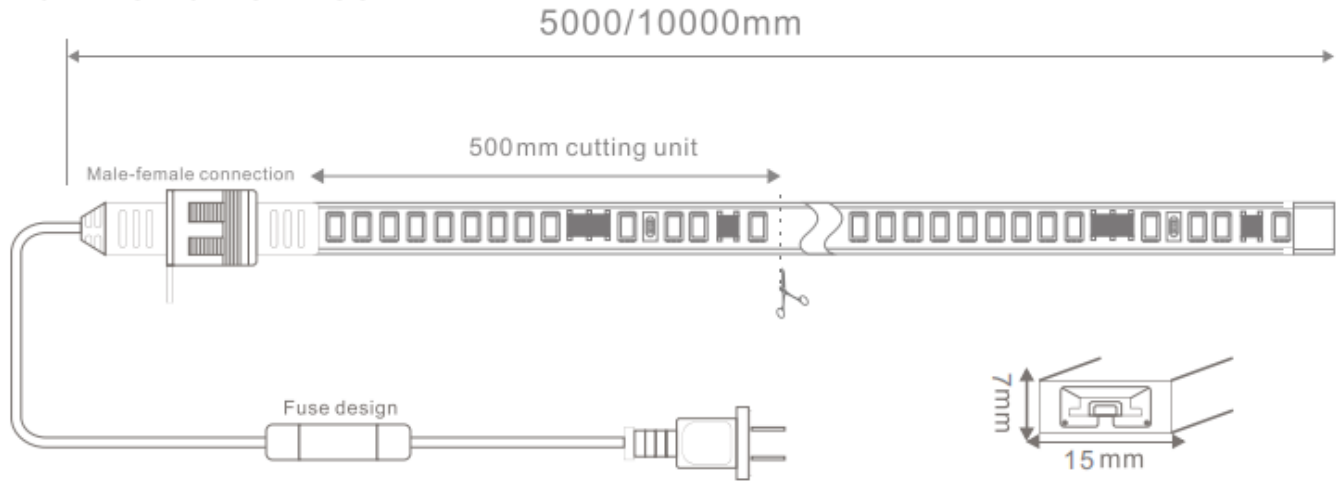
Mr. G Provan
Senior Electrical Project Manager HS2

LED Tunnel Striplights Datasheet

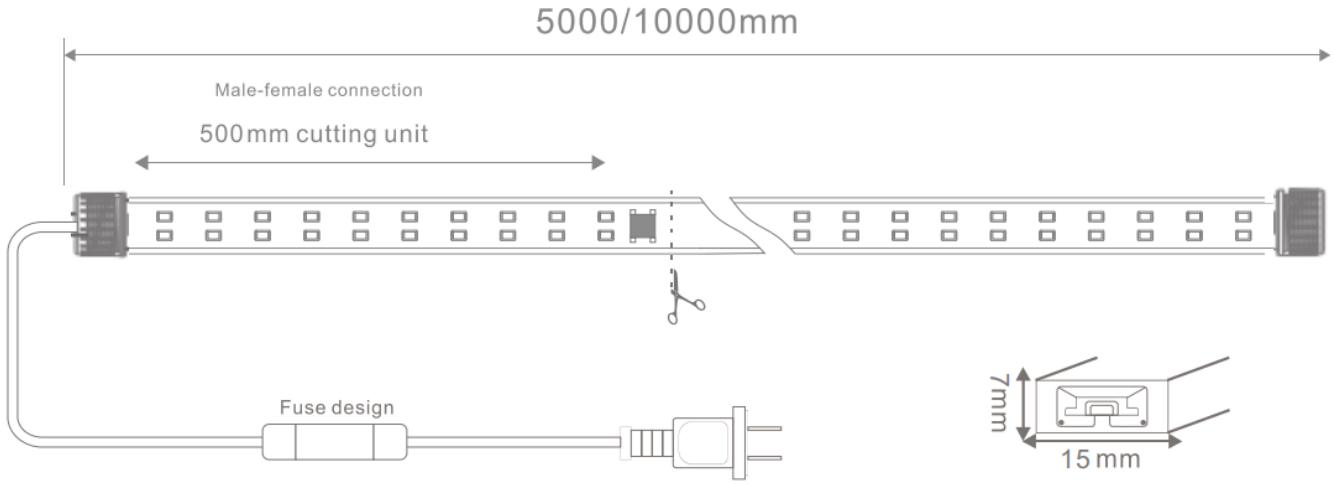
Data	LXGD-120-25-1106	LXGD-144-25-1106	LXGD-72-50-1104
Input Voltage	AC 110V	AC 110V	AC 110V
System Power	300W	200W	225W
Powe (W/m)	12 W/m	8 W/m	4.5 W/m
Power Factor	>0.9	>0.9	>0.9
Luminous Flux	1250 lm/m	700 lm/m	400-500 lm/m
Lumen/W	104 lm/W	87 lm/W	111 lm/W
Beam Angle	120º	120º	120º
CCT (K)	6000K	6000K	4000K
Colour Tolerance	3.9	?	2.6
CRI	>80	>80	>80
Flickert Level (PST LM)	≤1.0	≤1.0	≤1.0
Strip Length	25m	25m	50m
Max connectable length	**100m**	**150m**	**200m**
Dimensions	15 x 7mm	15 x 7mm	18 x 8mm
Housing	Clear PVC housing	Clear PVC housing	Clear PVC housing
Conductor	Copper	Copper	Copper
Weight	4.65 KGS/PC (25m roll)	?	1.93 KGS/PC (50m roll)
Flammability (UL94)	V0 fireproof	V0 fireproof	V0 fireproof
IP Rating	IP65	IP65	IP65
IK Rating	IK10	IK10	IK10
Ambient temperature	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C
Incoming cable	H07RNF cable with 10A fuse	H07RNF cable with rectifier and CEE Plug	H07RNF cable with 10A fuse and CEE Plug
LED lifetime (L70) 3.42 Years?	30,000 hours	30,000 hours	30,000 hours

Or we can design this product to your exact specifications?

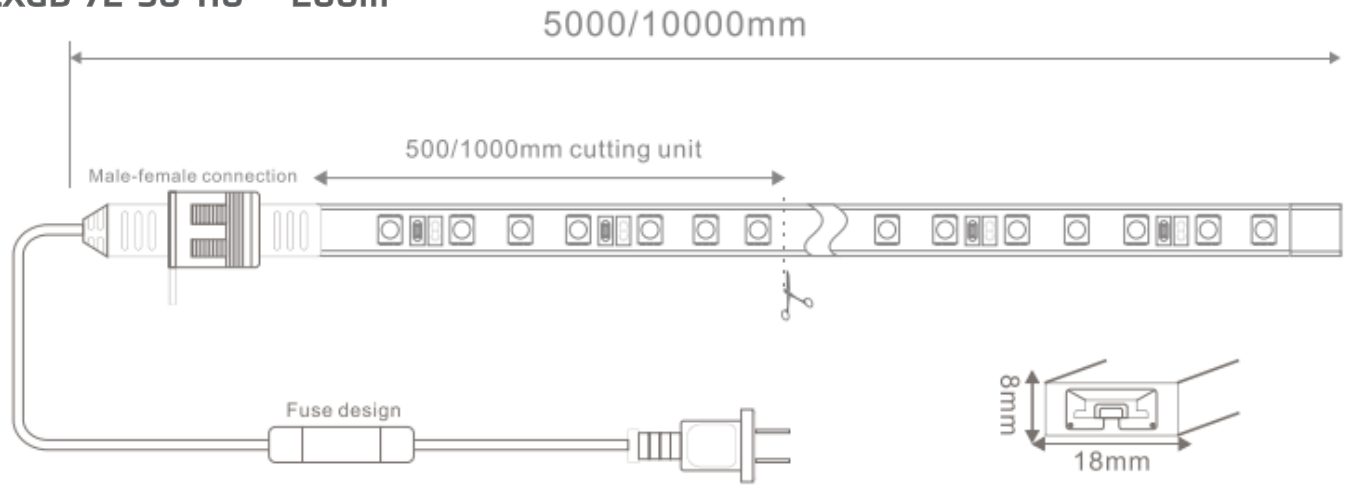
LXGD-120-25-110 — 100m



LXGD-144-25-110 — 150m



LXGD-72-50-110 — 200m



LED Tunnel Striplight Emergency Power Supply Datasheet

Data	LXGD01BU3HR
Input Voltage	AC 110V ~ 240V
Nominal Frequency	50/60Hz
Total Power Output	27 W
Emergency Power Output	DC70-250V 27W+/-5% (Constant watt type)
Battery Capacity	22.2V 5200mAh Li-ion Battery
Housing Material	ABS
Product Dimensions	175 x 175 x 105mm
Product Weight	1.93 Kg/PC
Input Cable	1.5 Meters H07RN-F 3G 1.5mm² Black Cable (including CEE plug)
Output Cable	220mm H07RN-F 3G 1.5mm² Black Cable (including CEE male & female connectors) 1250 lm/m
Operating Temperature	0°C — +50°C
Ambient Temperature	-5°C — +35°C
Charging Time	10-12 hrs
Emergency Working Time	3 hrs
System self-consumption	Battery self-consumption in emergency shutdown state <50uA