Product Specification Sheet

50M LED Lighting Strip – 230V

This 50 meter length temporary LED strip lighting system produces effective site lighting for a range of environments such as; construction sites, data centres, factories, walkways and warehouses. This products is able to be interlinked to additional strips up to a maximum length of 100m.
Incorporating a high-density 180 LED/m configuration, delivering up to 1200 lm/m with consistent performance and uniform illumination, 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 and switched options available.

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Product Benefits

- 50 meter LED lighting strip
- High density 180 LED chips per meter for superior brightness
- Plug and Play installation
- Maximum length of up to 100m
- Compatible with a 3 hour emergency backup battery

Technical Data

Product name	50M LED Lighting Strip – 230V
Product Number	GBP20001
Reel length	50m
Input voltage	230V
Max run length	100 m
Power per metre	12 W/m
Luminous output	1,200 lm/m
CCT	5000 K
Power factor	0.94
Colour rendering index	CRI >80
Colour tolerance	2.1 SDCM
Light distribution	120 degrees
LED type / density	SMD 2835 / 180 LEDs per metre
Nominal efficacy (high-output)	100 lm/W

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Strip dimensions	8 x 16 mm
Weight	10 kg
Materials	PVC / PCB / LED
Ingress protection	IP65
Impact protection	IK10
Flammability classification	UL94 V-1
Operating ambient temperature	-10 degrees C to +45 degrees C
Declared LED lifetime	30,000 hours (L70 B50)

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