DATA SHEET

VARNALUX

HIGH VOLTAGE LED STRIP 12W/m RGB

230V AC | 50 M ROLL | 60 LEDS/M | RGB | IP65 | 10 MM



APPLICATION

- Home decoration lighting
- Building outline brightening
- Entertainment decoration, auxiliary lighting
- Landscape lighting
- Architectural outlines
- Indoor and outdoor use (IP65)

AVAILABLE MODELS

Model	REF No
Standard	200109

50 M Roll length	12W/m	20,000 lm	2 2 YEARS
RGB Colour	230V AC Voltage	IP65	CE

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ELECTRICAL DATA	
Power	12W/m
Voltage	AC 230V
LED chip power	0.2 W / pcs (<= 12 W/m)

PHOTOMETRICAL DATA	
Colour mode	RGB
Wavelength R / G / B	620-625 / 520-525 / 465-467.5 nm
Luminous flux	20,000 lm
LED quantity	60 per metre (SMD 5050)

CAPABILITIES	
Cutting unit	1 meter (0.5 m for RGB strip)
Installation	Clips + self-tapping screws or snap fastening
Connection	Power cable, middle connector and end cap, controller

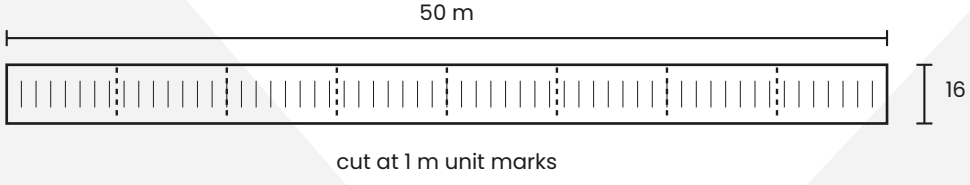
LIFESPAN & WARRANTY	
Warranty	2 years

DIMENSIONS & PACKAGING	
Strip width	10 mm
Product size	W16 x H7.5 mm
PCB width	10 mm
Roll length	50 m
Gross weight	8.5 kg per roll
Outer carton	340 x 340 x 160 mm (1 roll)

ADDITIONAL INFORMATION	
LED Chip	SMD 5050
IP Rating	IP65
Material	PVC + wire + FPCB
Ambient temp.	-25 °C to +45 °C

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cut at 1 m unit marks

Schematic drawing, not to scale. Dimensions in mm.

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USER MANUAL | HOW TO USE

STEP 1 **Unpack and check**

Take the reel out of the carton and check the strip, plug and accessories for damage. Do not install a damaged strip.

STEP 2 **Turn off the power**

Switch off the mains supply before starting any work.

STEP 3 **Plan the length**

Cut only at the welding position of the unit group (1 m; 0.5 m for RGB), never inside it. Seal each cut end with waterproof insulating glue.

STEP 4 **Fix the strip**

Fix the strip with the clips and self-tapping screws or with snap fastening. Do not bend it below 60 mm diameter and do not twist it.

STEP 5 **Connect the accessories**

Connect the power cable at the start, join lengths with the middle connector and close the last end with the end cap. Every outdoor connection must be firm.

STEP 6 **Check the supply**

Make sure the supply line is not overloaded and is protected by a fuse or leakage switch. The voltage must stay within ±5%.

STEP 7 **Plug in**

Insert the plug into the power socket (RGB: connect the controller first).

STEP 8 **Maintenance**

If the outer skin is damaged, cut off that unit immediately and do not continue to use it.

PACKING INFO

In the box	1 x LED strip, 50 m roll (plug / power cable, clips, end cap and connector as accessories)

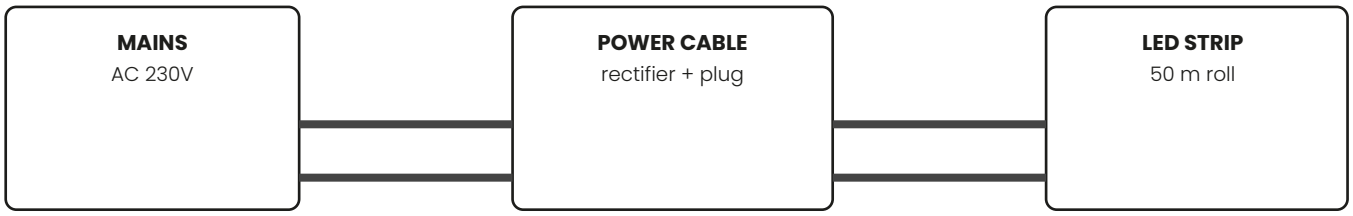
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CONNECTION DIAGRAM



Plug the power cable into the mains socket. Close the last end of the strip with the end cap. Do not use in water.

SAFETY NOTICE:

- Each strip is connected to a rectifier bridge stack and a plug. Before use check the power of the product, make sure the supply line is not overloaded and that the circuit has a protector (socket with fuse or leakage switch); the voltage must stay within ±5%.
- Cut only at the welding position of the unit group (1 m; 0.5 m for the RGB strip), never inside a unit group. Seal every cut end with waterproof insulating glue. Cutting by the customer is not recommended.
- Do not twist the strip continuously (twisting angle not less than 45 degrees) and do not bend it in an arc below 60 mm diameter.
- Use the product in places with good ventilation. Do not pull the power cord and avoid collision or swinging.
- The end of the strip must be covered with an end cap. Outdoors every connection must be firm and free of short-circuit risk.
- Do not fix the strip tightly with metal wire. If the outer skin is damaged, cut off this unit immediately and do not continue to use it.
- This product is not a toy: install it out of reach of children. Do not use it directly in swimming pools, rivers or places where people may be in contact with the water.