DATA SHEET

VARNALUX

HIGH VOLTAGE LED STRIP 360W

230V AC | 50 M ROLL | 180 LEDS/M | DIMMABLE | IP65 | 12 MM

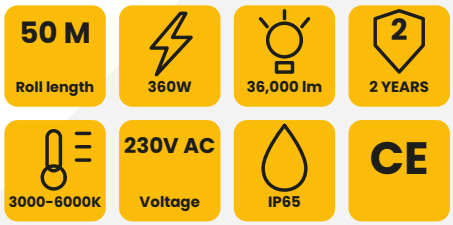


APPLICATION

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

AVAILABLE MODELS

Color Temp	REF No
3000K	200106
4000K	200107
6000K	200108



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ELECTRICAL DATA	
Power	360W per 50m roll
Voltage	AC 200-240V
Dimming	Dimmable

PHOTOMETRICAL DATA	
Temperature (Kelvin)	3000K, 4000K or 6000K
Light color	Warm, neutral or cool white
Luminous flux	36,000 lm
Luminous efficiency	100 lm/W
Color Rendering Index (CRI)	> 80
LED quantity	180 per metre (SMD 2835)

CAPABILITIES	
Dimmable	Yes
Cutting unit	1 meter
Installation	Clips + self-tapping screws or snap fastening
Connection	Power cable, middle connector and end cap

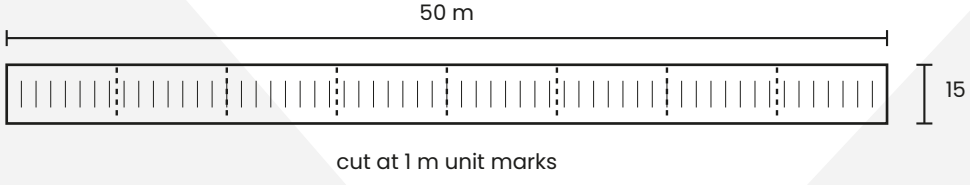
LIFESPAN & WARRANTY	
Warranty	2 years

DIMENSIONS & PACKAGING	
Strip width	12 mm
Product size	W15 x H7 mm
PCB width	11 mm
Roll length	50 m
Gross weight	6 kg per roll
Inner carton	335 x 335 x 115 mm
Outer carton	350 x 350 x 360 mm (2 rolls)
Carton weight	13.4 kg per carton (100 m)

ADDITIONAL INFORMATION	
LED Chip	SMD 2835
IP Rating	IP65
Material	PVC, wire, flexible PCB
Ambient temp.	-25 °C to +45 °C
Certificates	CE & ROHS

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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)

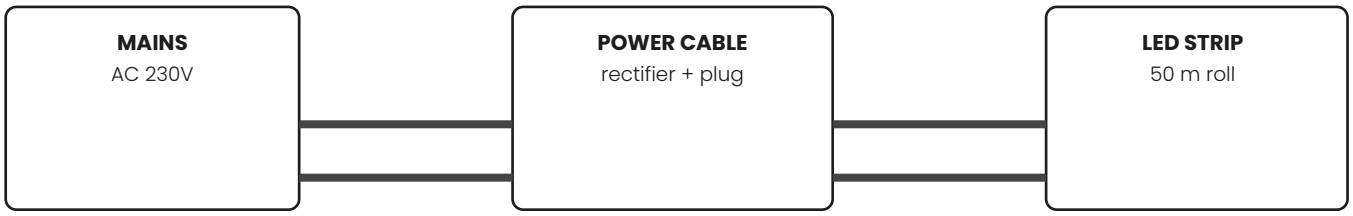
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CONNECTION DIAGRAM



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.