DATA SHEET

VARNALUX

COB LED STRIP 10W/M

24V DC | IP20 | 5 M ROLL | 480 LEDS/M | CRI > 90



APPLICATION

- Residential lighting
- Decorative lighting
- Accent lighting
- Indirect lighting
- Cove and cabinet lighting
- Uniform dot-free line light

AVAILABLE MODELS	
Color Temp	REF No
2200K	200085
2700K	200086
3000K	200087
4000K	200088
6000K	200089

5 M Roll length	10W/m	1000 lm/m	2 2 YEARS
2200-6000K	24V DC Voltage	IP20 Protection	CE

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ELECTRICAL DATA	
Power	10W/m
Voltage	24V DC
Lead wires	Double-ended 15 cm, red and black (20#)

PHOTOMETRICAL DATA	
Temperature (Kelvin)	2200K, 2700K, 3000K, 4000K or 6000K
Light color	Warm, neutral or cool white
Luminous flux	1000 lm/m
Color Rendering Index (CRI)	> 90 Ra
Luminous efficiency	> 90 lm/W (warm white > 80 lm/W)
LED quantity	480 LEDs/m (COB)

CAPABILITIES	
Cuttable	Minimum cutting length 50 mm
Adhesive backing	High-adhesive double-sided
Max. running length	5 m (longer: connect in parallel)
Waterproofing (optional)	IP65 with silicone/heat-shrink tube

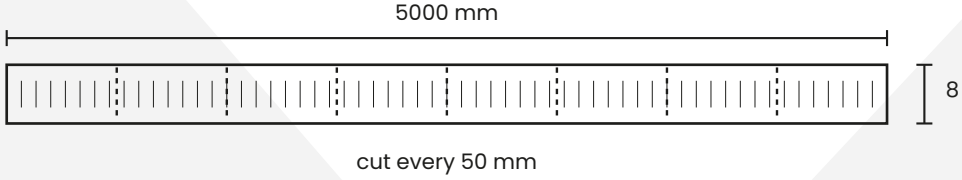
LIFESPAN & WARRANTY	
Lifespan	50.000 hrs
Warranty	2 years

DIMENSIONS & PACKAGING	
Strip dimensions	5000 x 8 x 2.3 mm
Roll length	5 m
Packing	Anti-static bag per 5 m roll
Outer carton	60 rolls

ADDITIONAL INFORMATION	
LED type	COB
PCB	Two-sided PCB, electrolytic copper
IP Rating	IP20
Working temp.	-20 °C to +40 °C
Storage temp.	-20 °C to +45 °C
Min. bending diameter	> 1 cm

AVAILABLE MODELS

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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 its anti-static bag and check it for damage. Do not install a damaged strip.

STEP 2 **Turn off the power**

Switch off the power supply before starting any work. Installation must be done by a qualified person.

STEP 3 **Plan the run**

The maximum running length is 5 m; for more than 5 m connect in parallel. The total power of the strips must be below 80% of the power supply's maximum output.

STEP 4 **Cut to length**

Cut only at the cutting marks: minimum cutting length 50 mm.

STEP 5 **Stick the strip**

Peel off the high-adhesive double-sided backing and press the strip on a clean surface. Avoid sharp objects and heat. Bending diameter must be > 1 cm; do not bend at a short distance.

STEP 6 **Connect**

Connect the double-ended lead wires to a DC24V constant-voltage supply: red = +, black = -. Match the polarities marked on the PCB.

STEP 7 **Waterproofing (optional)**

For IP65 the strip can be injected with a silicone tube or covered with a heat-shrink tube. Guard against water and moisture.

STEP 8 **Turn on the power**

Switch on the power supply and check that all LEDs light up.

PACKING INFO

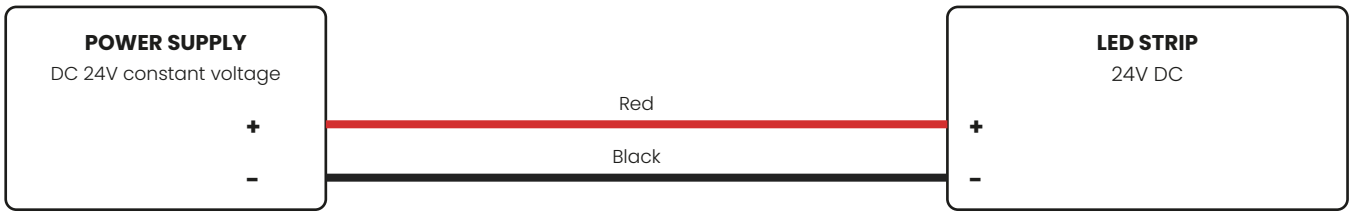
In the box	1 x COB LED strip, 5 m reel (anti-static bag)

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CONNECTION DIAGRAM



Match the polarities ('+' / '-') marked on the PCB. Lead wires: red and black. Power supply is not part of the strip.

SAFETY NOTICE:

- Installation and electrical connection must be done by a qualified person. Switch off the power before installation.
- Use a stable DC24V constant-voltage power supply. The total power of the strips on one supply must stay below 80% of its rated output.
- Match the polarities according to the '+' and '-' marks on the PCB. The maximum running length per power feed is 5 m; for longer runs connect in parallel.
- Avoid sharp objects touching the strip surface and avoid contact of the light area with high-temperature objects.
- Do not bend the strip at a short distance (minimum bending diameter > 1 cm) and do not tie it tightly with metal wire.
- Guard against water and moisture: IP20 versions are for dry locations only.
- This product is not a toy. Install it out of the reach of children.