# DATA SHEET

VARNALUX

## COB LED STRIP 20W/M RGB + CCT

24V DC | IP20 | 5 M ROLL | 840 LEDS/M | CRI > 90



**APPLICATION**

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

**AVAILABLE MODELS**

| Model | REF No |
|---|---|
| Standard | 200096 |

| | | | |
|---|---|---|---|
| 5 M<br>Roll length | 20W/m | /m | 2<br>2 YEARS |
| RGB + CCT<br>Colour | 24V DC<br>Voltage | IP20<br>Protection | CE |

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| ELECTRICAL DATA | |
|---|---|
| **Power** | 20W/m |
| **Voltage** | 24V DC |

| PHOTOMETRICAL DATA | |
|---|---|
| **Colour mode** | RGBCCT |
| **Luminous flux** | /m |
| **Color Rendering Index (CRI)** | > 90 Ra |
| **LED quantity** | 840 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 tube or heat-shrink tube |

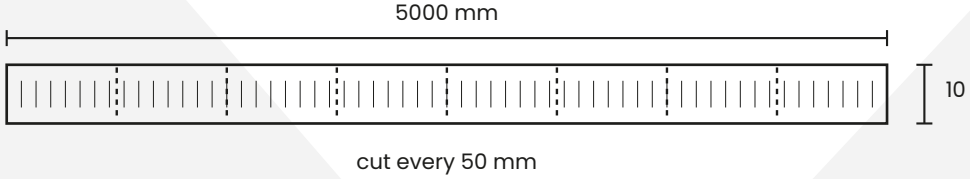
| LIFESPAN & WARRANTY | |
|---|---|
| **Warranty** | 2 years |

| DIMENSIONS & PACKAGING | |
|---|---|
| **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 |

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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 strip to a compatible DC24V RGBCCT controller and power supply. Match the channel marks 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

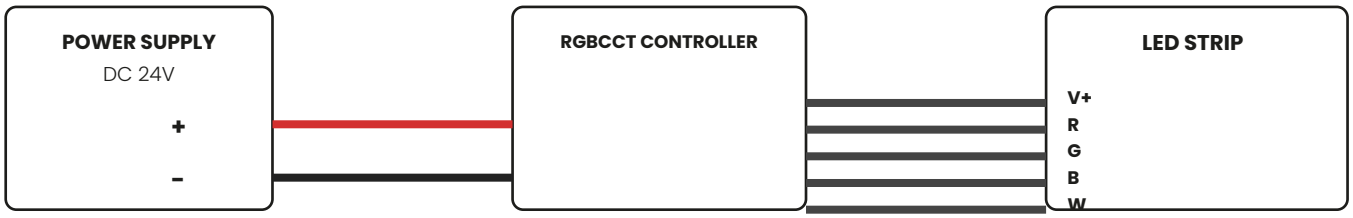
| | |
|---|---|
| **In the box** | 1 x COB LED strip, 5 m reel (anti-static bag) |

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### CONNECTION DIAGRAM




Connect the strip through a compatible DC24V controller. Match the channel marks on the PCB.

**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.