

- Custom sizes
- Single or double sided
- Small weight
- Vibration resistant
- Easily transportable
- Self dissipating
- CRI > 80
- Color temperatures: 3000K, 4000K, 5000K, dynamic white (DW)
- 24 V DC power supply
- Low power consumption
- Easy installation thanks to the provided clips and cables
- Suitable for large-format displays
- Suitable for the backlighting of curved surfaces
- Designed & made in Italy

Velarium™ Modular LED Curtain

The Velarium LED Curtain is a backlighting module consisting of a set of rigid LED bars connected to two electrical wires, which provide power as well as structural support. The set of bars is typically covered by a printed fabric or other material, evenly diffusing the light. Velarium is perfect for billboards or any other object that can be backlit.

Velarium is built from high-quality LED bars, each one measuring 490 x 10 mm and mounting high-brightness white LEDs. Three different color temperatures are available: warm, neutral and cold, with the addition of dynamic white.

Velarium can be easily built around a specific application and tailored to meet the client's size requirements. A square meter of Velarium usually contains 32 LED bars—number that can be customized as well.

Velarium is the perfect choice for hanging surfaces or wall mounted installations, and allows to cut both weights and costs compared to a standard, LED-panel-based solution. Velarium applications can be single or double sided, and are perfect for the backlighting of curved surfaces. These characteristics make Velarium the best solution for architects and designers seeking new ideas for eye-catching lighting creations.

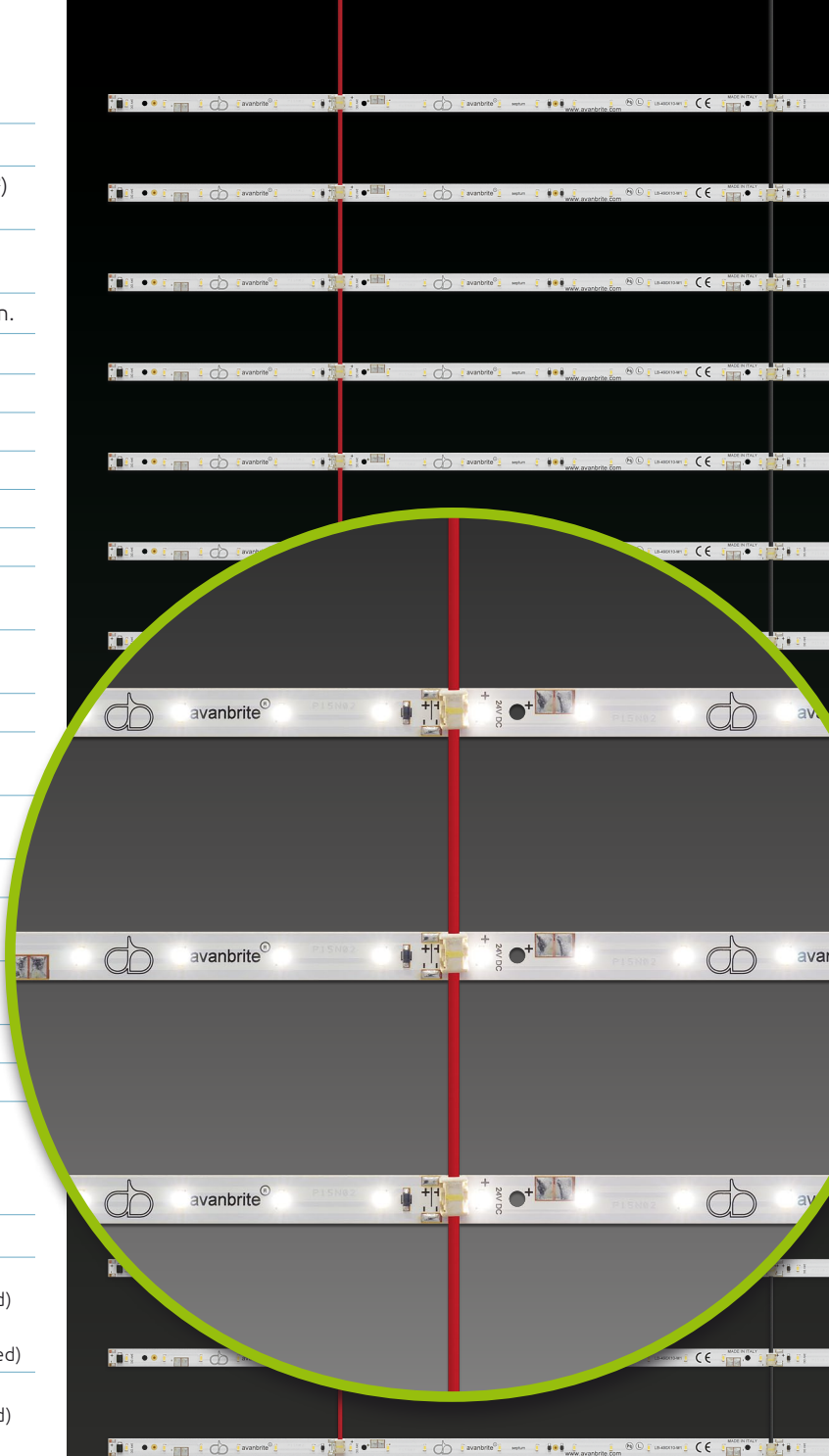
Velarium is designed and built entirely in Italy—for uncompromised quality and reliability over time.

Technical Specifications

| | |
|--|---|
| Power supply | 24 V DC |
| Maximum power consumption per m² | 4 A / 90 W (typical application 32 bars/m ²) |
| Number of bars per m² (typical) | 32 rigid LED bars 490 mm x 10 mm (bars can be split) |
| LED bars type | 4 groups of 6 LEDs per bar, voltage driven. |
| LED driving | Constant current regulation (CCR) |
| LED spacing | 20 mm |
| Dimmable | Yes, PWM |
| Luminous flux | 1000 lm/m ² |
| Average life | 50,000 ore (Ta = 25 °C) |
| CRI | > 80 |
| Reverse voltage protection | Yes. Each bar features reverse voltage protection. |
| Overvoltage protection | Yes. Each bar features overvoltage protection. |
| Power supply wires | 2 mm diameter (18 AWG) |
| Holes for optional fixing | Yes. 4 3.5-mm holes per bar. |
| Weight | 1 kg/m ² (typical application 32 bars/m ²) |
| IP protection | IP 20 |
| Operating temperature | -10 +40 °C |
| Operating environment | Indoors |
| Certifications | CE |
| Warranty | 2 years |

Ordering Information

| Series | Dimensions (mm) | Color temperature | Options |
|--------------|-----------------|------------------------------------|--|
| MLC10 | -LLLLL-HHHHH | -WW (Warm White, 3000K) | -M (Single sided) -B (Double sided) |
| MLC10 | -LLLLL-HHHHH | -NW (Neutral White, 4000K) | -M (Single sided) -B (Double sided) |
| MLC10 | -LLLLL-HHHHH | -CW (Cold White, 5000K) | -M (Single sided) -B (Double sided) |
| MLC10 | -LLLLL-HHHHH | -DW (Dynamic White, 3000-5000K) | |



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