Velarium ECO™
Modular LED curtain

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

The Velarium ECO 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, marble, stones, glass or other material, evenly diffusing the light. Velarium ECO is perfect for billboards or any other object that can be backlit.

Velarium ECO is built from high-quality LED bars, each one measuring 490 x 14 mm and mounting highbrightness white LEDs. Three different color temperatures are available: warm, neutral and cold.

Velarium ECO can be easily built around a specific application and tailored to meet the client's size requirements. A square meter of Velarium ECO usually contains 40 LED bars (pitch=5cm), number that can be customized as well.

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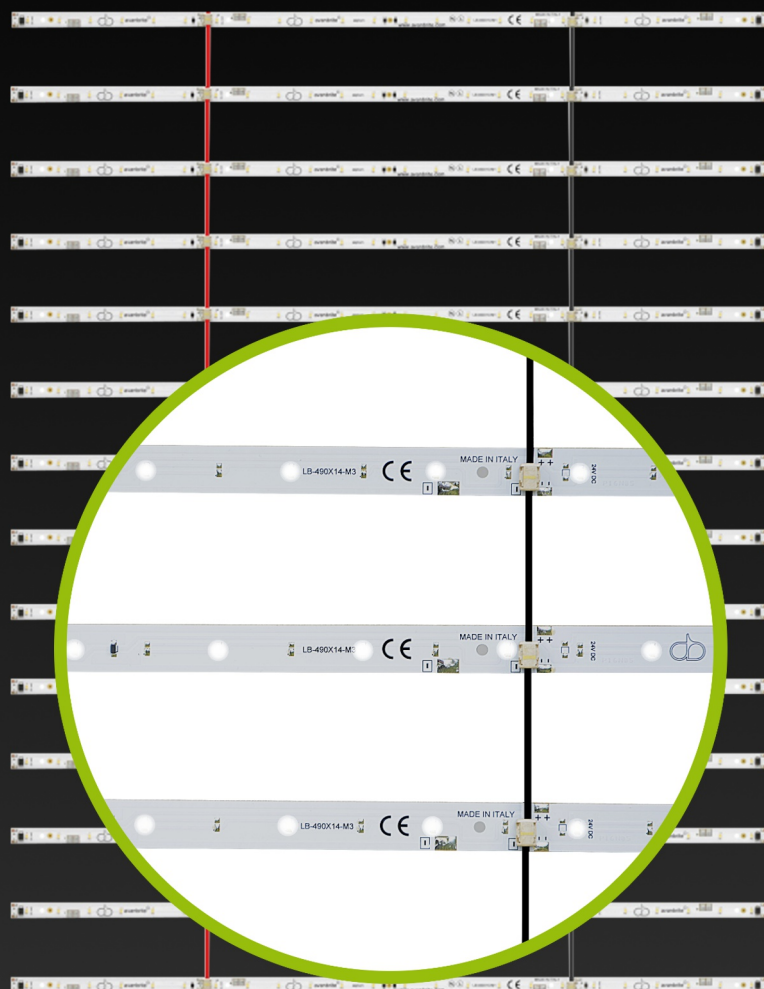
Velarium ECO is designed and built entirely in Italy, for uncompromised quality and reliability over time.

AvanBrite®
LIGHTING ENGINEERING SOLUTIONS

Technical Specifications

Power supply	24 V DC
Maximum power consumption per m²	2.4 A / 60W (typical application 40 bars/m²)
Number of bars per m² (typical)	40 rigid LED 490x14 mm (bars can be split)
LED bar type	2 groups of 6 LEDs per bar, voltage driven
LED driving	Costant current regulation (CCR)
LED spacing	40mm
Dimmable	Yes, PWM
Luminous flux	6000 lm/m²
Average life	50.000 hours (Ta=25°C)
CRI	>80
Reverse voltage protection	Yes. Each bar features reverse voltage protection
Over voltage protection	Yes. Each bar feature overvoltage protection
Power supply wires	2 mm diameter (18 AWG)
Holes for optional fixing	Yes. 4 x 3.5 mm holes per bar
Weight	1 Kg / m² (typical application 40 bars/m²)
IP protection	IP 20
Operating temperature	-10 + 40°C
Operating environment	Indoors
Certifications	CE, RoHS
Warranty	2 years

Ordering information

Series	Dimens. [mm]	Color temperature	Options
MLC20	-LLLLL-HHHHH	-WW (Warm White, 3000K)	-M (Single side) -B (Double side)
MLC20	-LLLLL-HHHHH	-NW (Neutral White, 4000K)	-M (Single side) -B (Double side)
MLC20	-LLLLL-HHHHH	-CW (Cold White, 6000K)	-M (Single side) -B (Double side)

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