



Septum Edge™ LED bar for edge lighting

- Suitable for mono or bifacial light boxes
- Minimum light box thickness 60mm
- Maximum luminous flux 1100lm per bar
- 24 V DC Power supply
- Maximum power 12W per bar
- Low power consumption
- Color temperature: 3000K or 5700K
- CRI > 90
- Dimmable
- Mounting holes or biadhesive tape
- Easy and fast installation
- Modular
- Certified components
- Made in Italy



Septum Edge is a LED bar dedicated to the edge lighting especially suitable for advertising and decorative light boxes.

Thanks to reduced light emission angle 12° only Septum Edge is suitable to light boxes mono and bifacial with minimum on thickness to 60 mm, achieving homogeneous and powerful illuminance of reflective surface. Septum Edge LED bar, depending to model, provides 3 or 5 LED Nichia mid-power with CRI >90 coupled with lens and mounted on aluminum white bar to obtain the maximum thermal dissipation.

The power supply is 24 VDC and a built-in switching device provides an efficient LED current regulation.

The LED bar power output can be controlled through third wire DIMM either in analogic or with PWM signal. If the dimming feature is not requested the DIMM wire can be left unconnected, achieving the maximum

lighting emission. The maximum luminous flux is 1100lm for the 5 LEDs model.

Thank to two provided wirings with quick connector more bars can be connected in series. The bars are long 215x24 mm and 360x24 mm and can be easily installed thank to mounting holes or biadhesive thermal tape.

Septum Edge is suitable as backlighting solution for lightbox, printed fabric either for small and big installations. Septum Edge is a fast and efficient backlighting solution.

Septum Edge is designed and built entirely in Italy

Technical Specifications

Power supply	24V DC
Maximum power	6W, 12W per bar
Efficiency	55, 90 lm/W
Luminous flux	660 lm, 1100 lm (5700K) 540 lm, 900 lm (3000K)
Number of LEDs per bar	3, 5 LED white mid power
LED spacing	73 mm
Lens emission angle	12°
Bars maximum number in series	15 (3 LED version) 10 (5 LED version)
LED driving	Switching regulator
Dimmable	Yes. (Analogic/PWM)
Average life	50.000 hours (Ta=25°C)
Color temperature	3000K, 5700K
CRI	>90
Reverse voltage protection	Yes. Each bar features reverse voltage protection.
Overvoltage protection	Yes. Each bar features reverse voltage protection.
Cables	0,8 mm ² (18 AWG)
Quick connectors	Yes. 3 ways male/female
Holes for fixing	Yes. 2 3,5mm holes per bar
Biadhesive mounting tape	Yes, thermal
Dimensions	215 x 24 mm, 360 x 24 mm
Material	Alluminum, white
Weight	40, 70 grams
IP protection	IP 20
Operating temperature	-10 +40°C
Operating environment	Indoors, dry
Certifications	CE
Warranty	3 years

Ordering information

Series	Dimensions (mm)	Color temp.	Options
LB10	-215X24	-WW (Warm white 3000K)	-S (Standard)
LB10	-215X24	-CW (Cold white 5700K)	-S (Standard)
LB10	-360X24	-WW (Warm white 3000K)	-S (Standard)
LB10	-360X24	-CW (Cold white 5700K)	-S (Standard)



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