

LED-Streifen B 12-250



25cm LED strip with 20 high bin Nichia RGB LEDs

With double the LEDs of the *LED-Streifen B 25-250*, the *LED-Streifen B 12-250* makes an ideal light source for the side-illumination of glass and acrylic panels.

20 high bin Nichia RGB light emitting diodes are spaced at intervals of 12.5mm on a 250mm PCB. The three primary colours are mixed within the LEDs themselves, to prevent the generation of multi-coloured shadows.

On-board current regulation ensures perfectly even light output over long runs. All LEDs run together on the same three DMX channels, making for an easily-installed system with a great price / performance ratio.

Two methods of control are available: for long runs of uniform colour, we recommend the *Long Distance Controller*, with all power and data distribution in a single unit. Systems using individually controlled strips require a *System Power Supply 4* for dimming, plus *LED-Intelligenz* cards to handle data and channel allocation at the LED strips.



Audi stand, Frankfurt Motor Show 2005
Acrylic edge lighting



Let's Dance, 2006
LED Streifen B in borders, bands and steps



Lexus Stand, Genf 2005/2006
Over 2km of *LED-Streifen B* in acrylic pipes



World Cup Draw, Leipzig 2005
LED-Streifen B in borders and stairs

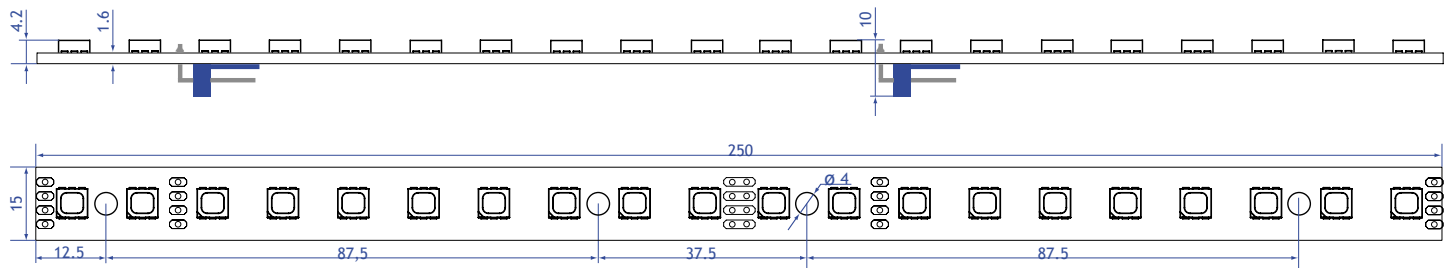
LED-Streifen B 12-250

Features

- RGB colour mixing
- high bin Nichia RGB LEDs
- multiple fixing options

No. of LEDs: 20 high bin Nichia LEDs in a 12.5mm pitch
 Beam angle: 115° approx
 Life expectancy: Minimum 12,000 hours at an ambient temperature of 0-40°C
 Optimum input voltage: 24VDC
 Current draw (RGB at 100%): 0.26A
 Power consumption (RGB at 100%): 6.3W approx. (excluding PSU power consumption)
 Connectivity (denoted by S/N/I suffix):
 Version S: 4 pole system PCB connector (blue), input and output
 Version N: 4 pole solder connection, 2.54mm raster
 Version I: With built in *LED-Intelligenz* (see below)
 Red cathode, Green cathode, Blue cathode, common anode
 L250 X W15 X D10
 Weight: 15g approx. (not including cable and fixings)
 Order code: Version S: 101.0022 / Version N: 101.0021 / Version I: 101.0023

B 12-250	U _{MIN}	U _{MAX}	I	λ _{dom.}	Φ	Φ/l
Red	23 V	28 V	0.06 A	623 nm	36 lm	144 lm/m
Green	21 V	26 V	0.10 A	527 nm	58 lm	232 lm/m
Blue	21 V	26 V	0.10 A	468 nm	10 lm	40 lm/m



All dimensions in millimetres (mm)

System Accessories



System Power Supply 4 (203.0002)



LED Intelligenz (302.0001)



PCB cable 12.5cm (401.0001)
PCB cable 25cm (401.0002)



PCB cable 0.5m (401.0003)
PCB cable 1m (401.0004)
PCB cable 2m (401.0005)



Long Distance Controller (203.0001)



PCB holder, self-adhesive
Height: 12mm (802.0002)



PCB Holder, push through
Height: 12mm (802.0004)



PCB holder, push-in
Height: 12mm (802.0007)

Important Advice:

Electro-Static Discharge (ESD) can damage and may even destroy sensitive electronic equipment. We recommend the use of anti-static bracelets at all times, when installing or servicing our products. Also: the polishing of glass or plastic surfaces in the vicinity of our products should be avoided, to prevent the buildup of static electricity. Suitable anti-static packaging materials should always be used to transport our products; ordinary plastic packaging materials, such as air-cushioned bags and bubble wrap, are not suitable alone. For reasons of safety, only products and accessories designed by Schnick-Schnack-Systems GmbH should be used in conjunction with our LED components.