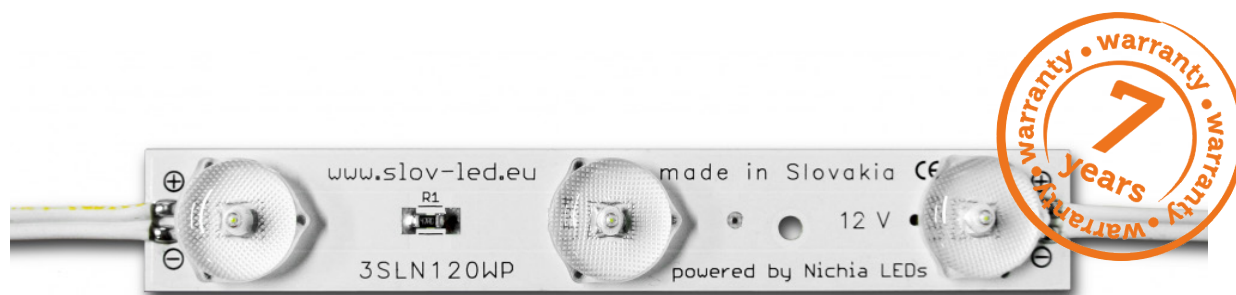


module LED

3SLN120WP / red



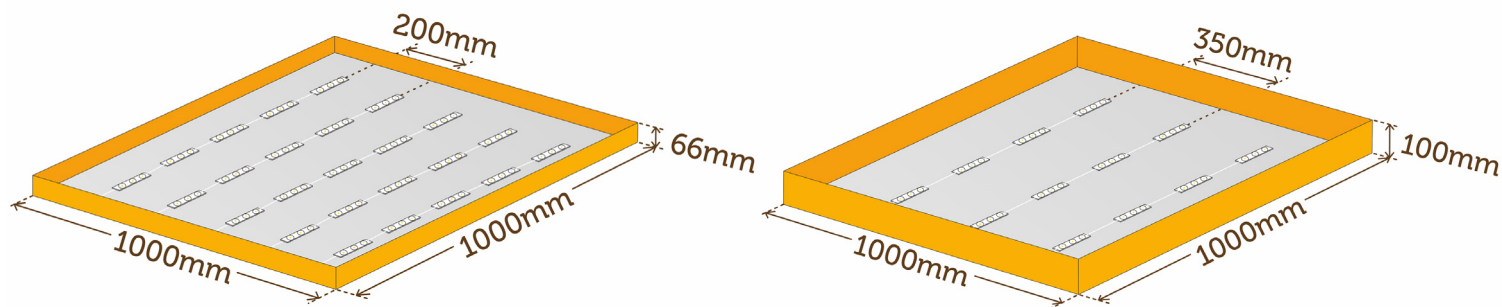
Usage areas

- bigger advertising signages and lightboxes

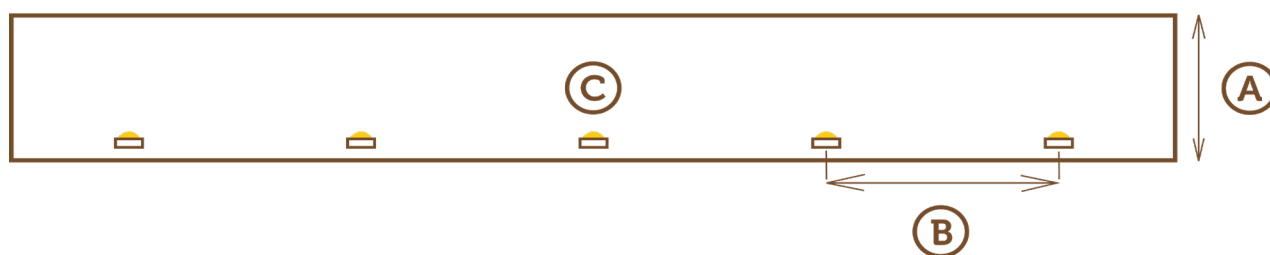
Product characteristics

- the newest generation of LEDs from japanese company **Nichia**
- exceptionally **wide beam angle** creates an excellent light effect
- up to **7 years** warranty

Unbeatable light effect

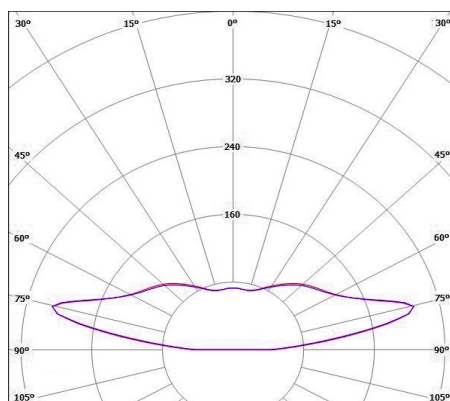


Modules layout at extremely large spacing is also possible with smaller depths of lightboxes.



- (A) Modules are especially intended for backlighting of lightboxes with depths from 65 mm.
- (B) Using standard materials, we can achieve uniform illumination of the front side of a panel with row spacing 3-times bigger than its depth. By suitable materials and graphics, the spacing can be even 4-times bigger than the depth.
- (C) With suitable depth it is sufficient to use only 15-20pcs of LED modules per m².

Photometry



Wide beam angle more than 165°

Technical parameters

parameter	values
input voltage	12 V
input	to 1,2 W
luminous flux	65 lm
wavelength	625nm
beam angle	min. 165°
IP protection ¹	IP66
working temperature	from -30 to +55°C
cable length between modules ²	140 mm
module dimensions	8 x 18 x 120 mm
module weight	14 g

¹tests show modules even fulfill IP67 protection

² custom-made cable lenght, space between modules and number of modules in a serie

Module construction



High-quality clear lens with wide beam angle more than 165° for an outstanding light effect.



Adhesive with high temperature resistance from -50 to +100°C and long lifetime.



The heart of our LED modules are top-quality diodes from japanese company **Nichia**, supplied by optimal current to maintain their long lifetime and high efficiency.

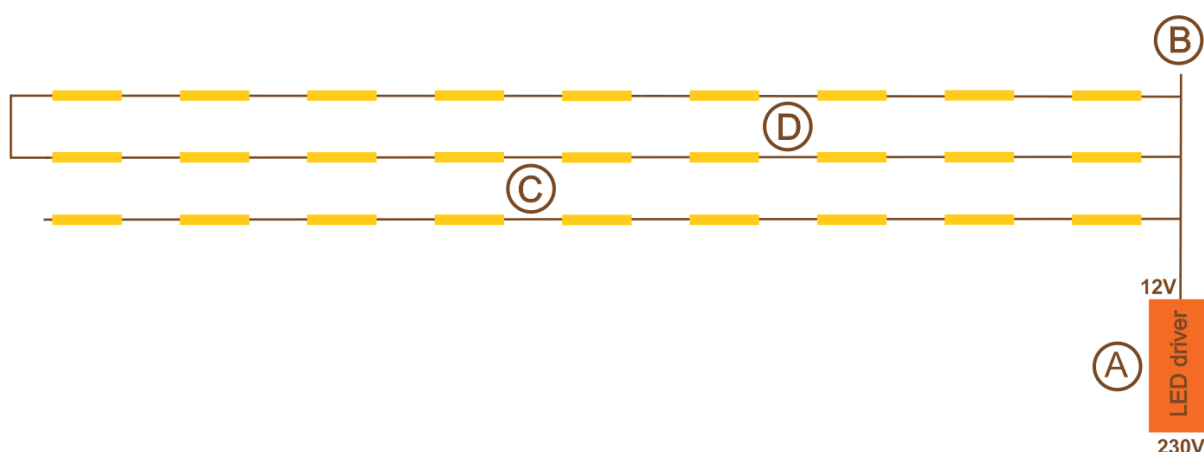


Almost invisible, but 100% reliable quality protector of our LED modules is special UV stable silicone coating from **Dowsil**.



Our PCBs meet the highest quality requirements for long service life of our LED modules in all conditions, even outdoors.

Installation



- (A) For better cooling, we recommend to place the power supply as close to modules as possible, ideally on an aluminium surface. When multiple power supplies are used, it is not permitted to interconnect them.
- (B) The cable cross-section has to correspond to the electrical current. By current 4A it must be min. 1 mm², by 8A min. 2 mm². By power supplies with higher output it is appropriate to connect the LED modules in several parallel lines.
- (C) While connecting the LED modules only from one side, this line can consist of up to 15pcs of LED modules.
- (D) While connecting the LED modules from both sides, this line can consist of up to 35pcs of LED modules.

Thank you for your interest in our LED modules.