

LED Modules OPTIC

Recommended for edge illumination of lightboxes with acrylic pane or backlit vinyl fabric

With the modules of the "OPTIC" series, light boxes can be illuminated from the frame - depending on the depth and design - up to a height of 6 m.

The length of the adjacent edges which are equipped with the LED modules can be chosen as desired.



	dimensions	power	didodes	colour	temperature	IP code
1SL3Woptic-B	33 x 22 x 12 mm	3,5 W	1	white	6500K*	IP 65

*LEDs with a color temperature of 2700K to 8000K can be delivered if required.
The supply voltage per module is 3.1 V; The current is 1050 to 1120 mA.

The modules are equipped with LEDs from NICHIA. The manufacturer of the LEDs guarantees a lifetime of 50,000 hours with a maximum brightness loss of 30%.

The LEDs are mounted on a 2 mm aluminum conductor board according to the standard: STN EN 61249-2-5.

The optical lens is made of UV-stable polycarbonate. The entire surface of the modules is protected by a special varnish for conductor boards and electronic components from Dow Corning.

The manufacturer gives a warranty of 3 years and 11.500 hours on LED and optic.

The LED modules are equipped with a heat-conducting double-sided adhesive tape of 3M. In order to ensure sufficient cooling of the modules they must be glued full faced to an aluminum support.

A stable power supply is necessary for the operation of the LED modules. We recommend the MeanWell power supplies of the LPF and LPC series. The power supplies LPC-35 and LPF-25 are suitable for installation in light boxes made with the lightbox profile Klick 60.

The output voltage of the power supply units determines the number of LED modules which can be supplied per power supply.

	dimensions	power	current	voltage	operating temp.	IP code
LPC-35-1050 ¹	148 x 40 x 30 mm	35 W	1050 mA	9 - 30 V	-30 - +75°C	IP 67
LPC-60-1050 ²	162,5 x 42,5 x 32 mm	60 W	1050 mA	9 - 48 V	-30 - +70°C	IP 67
LPF-25D-24 ³	148 x 40 x 32 mm	25 W	1050 mA	13,2 - 24 V	-35 - +70°C	IP 67
LPF-40D-36 ⁴	162,5 x 43 x 32 mm	40 W	1120 mA	21,6 - 36 V	-40 - +70°C	IP 67
LPF-60D-54 ⁵	162,5 x 43 x 32 mm	60 W	1120 mA	32,4 - 54 V	-40 - +70°C	IP 67

1 The power supply is suitable for installation in lightboxes made with profile Klick 60. One power supply unit can supply 3 to 8 units of the 1SL3Woptic-B modules.

2 One power supply unit can supply 3 to 14 units of the 1SL3Woptic-B modules.

3 The power supply is suitable for installation in lightboxes made with profile Klick 60. One power supply unit can supply 5 to 7 units of the 1SL3Woptic-B modules.

4 One power supply unit can supply 7 to 11 units of the 1SL3Woptic-B modules.

5 One power supply unit can supply 10 to 17 units of the 1SL3Woptic-B modules.