

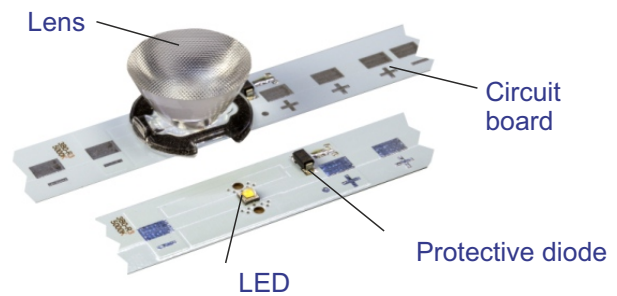
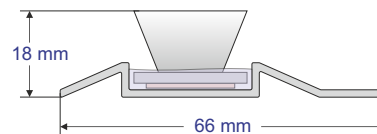
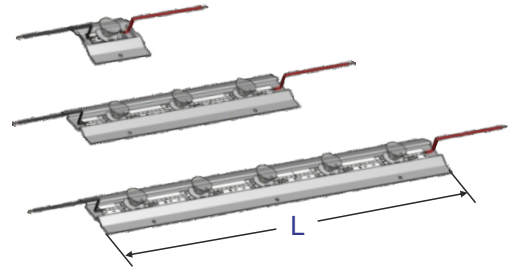
Frame-mount LED Spots

The **hansen** Frame-mount LED Spots are a special light source designed for the illumination of light boxes. These light boxes are commonly used in illuminated advertising, for back-lighting posters, printed banner fabric or acrylic glass panes with logos and writings.

The base consists of an aluminium sheet or profile containing the LEDs, circuit boards and soldering points embedded in artificial resin. In addition, the aluminium profile or sheet helps to achieve a better cooling of the LEDs.

The **Frame-mount LED Spots** are usually equipped with a lens featuring an oval radiation characteristic with an angle of $10^\circ \times 42^\circ$.

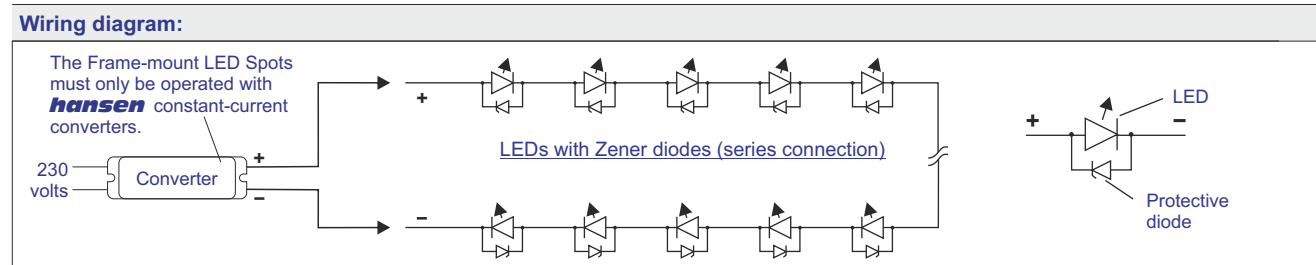
The LEDs are operated in series connection by a constant current power supply.



General data:	
Type of connection	Series connection
Power supply unit	hansen converter type C750/...
Max. LED current	750 mA
LED power (750 mA)	2.25 W
LED spacing	100 mm (50, 80, 150 mm optional)
Available lenses	$10^\circ \times 42^\circ$ (10° , 30° optional)
Degree of protection	IP 65
Class of protection	II
Ambient temperature range	-25°C to $+65^\circ\text{C}$
Residual luminous flux	80% after 50,000 operating hours
Conformity	CE, RoHS
LED light colour	6,500 K (3,000 K/4,000K/5,000K optional)
Standards lengths "L"	80 mm, 280 mm, 480 mm, 980 mm
Maximum length "L"	2,980 mm (special lengths up to 3,980 mm)

Luminous flux and power consumption:			
Type/length	No. of LEDs	Luminous flux (at 6,500 K)	Power consumption
80 mm	1	270 lm	2.25 W
280 mm	5	810 lm	6.75 W
480 mm	5	1,350 lm	11.25 W
980 mm	10	2,700 lm	22.5 W
1,980 mm	20	5,400 lm	45.0 W
2,980 mm	30	8,100 lm	67.5 W

Material properties – transparent potting compound:	
Two-component potting compound, polyurethane (PUR)-based	
Shore A hardness	70 +/-5
Shore D hardness	< 30
Service temperature	-40°C to $+90^\circ\text{C}$
Dielectric strength	70 kV/mm (VDE 0303 Part 2)
UV resistance	Resistant
Thermal expansion	0.12 mm/m 1/K to 0.21 mm/m 1/K
Reaction to fire	Building material class B2, Class 3, TP(b)



All values refer to an ambient temperature of $+25^\circ\text{C}$



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