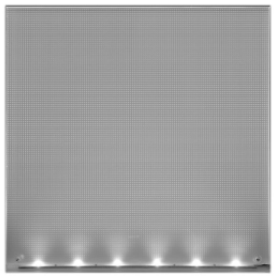
Luminous Panel (Power)

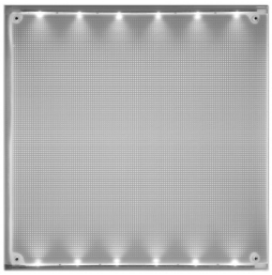
The ***hansen*** **Luminous Panel** is a very flat light source with a large luminous area. It can be used for backlighting (e.g. acrylic glass panes) as well as for room lighting purposes (e.g. as ceiling light).

The **Luminous Panel** consists of a 8 mm thick light-transmitting acrylic glass pane illuminated by LEDs shining into the material from one or two sides. A 3 mm acrylic glass rear panel attached to the light-transmitting pane reflects the light towards the front.

There is no pre-determined height or width, the **Luminous Panel** is made to customer specification.



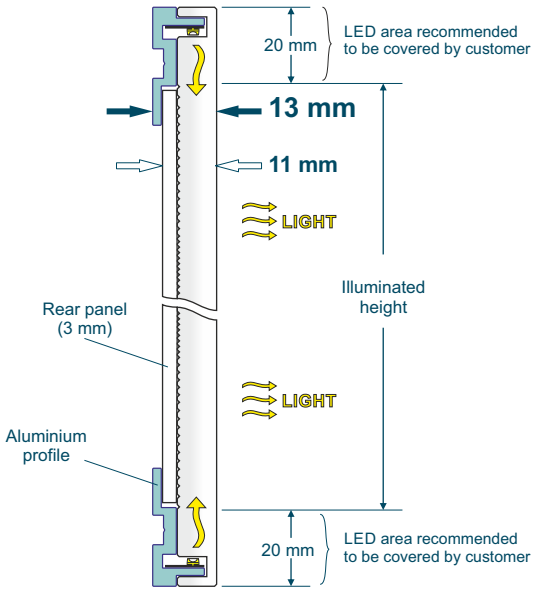
Luminous Panel with one LED strip



Luminous Panel with two opposite LED strips

General data:	
Type of connection	Parallel connection
Operating voltage	24 V
Power cons. (Power)	26.4 W/m (one illuminated side)
Light colours	2700K / 3000K / 4000K / 5000K / 6500K
LED spacing	6.5 mm
Circuit board pitch	45 mm
Degree of protection	IP20
Class of protection	III
Ambient temperature range	-25 °C to +65 °C
Residual luminous flux	70% after 50,000 operating hours
Conformity	CE, RoHS
Minimum dimensions	80 x 80 mm
Maximum width	2,000 mm
Max. height (between LED strips)	1,500 mm
Overall depth (thickness)	13 mm (± 1.7 mm)
Weight	14 kg/m^2

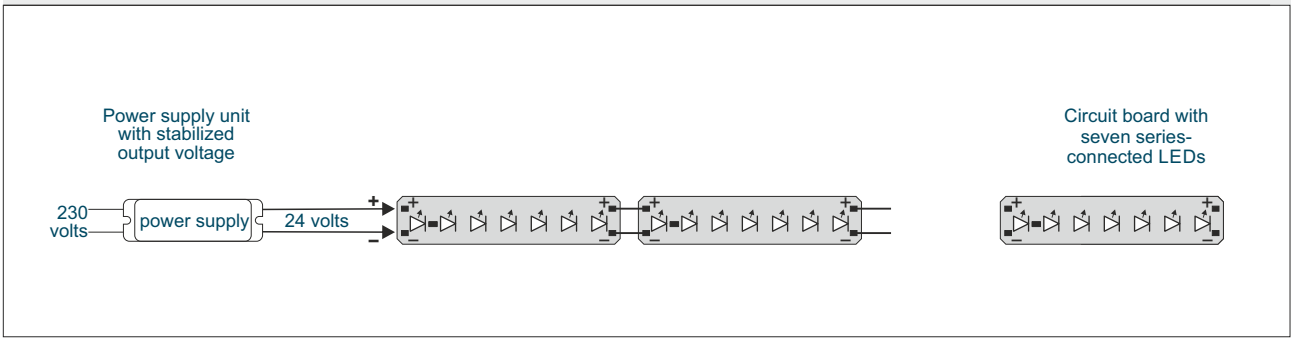
Material properties – PMMA (acrylic):	
Manufacturing process	Casting
Linear expansion	0.07 mm/(m K) (DIN 53752-A)
Dielectric strength	30 kV/mm (VDE 0303 Part 2)
Reaction to fire	Building material class B2 (DIN 4102)
Flammabiliy	HB (UL 94)



Luminous Panel Power

Photometric data (luminance on the surface):			
Type	Illuminated height →	500 mm	1,200 mm
Power		2,200 cd/m^2	1,050 cd/m^2

Wiring diagram:



All values refer to an ambient temperature of +25 °C.

CE

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