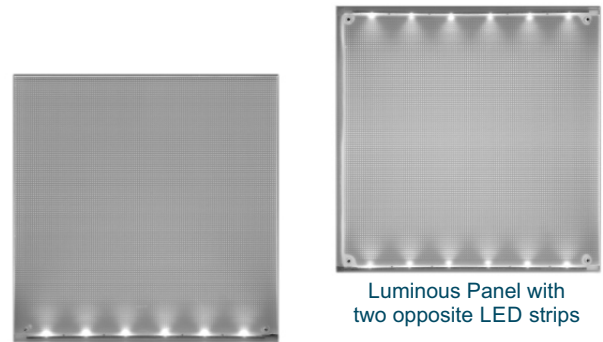


Luminous Panel (Basic) „Indoor use“

The **hansen Luminous Panel** is a very flat light source with a large luminous area. It can be used to backlight acrylic glass panes, banner fabric, posters or similar material.

The **Luminous Panel** consists of an 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.



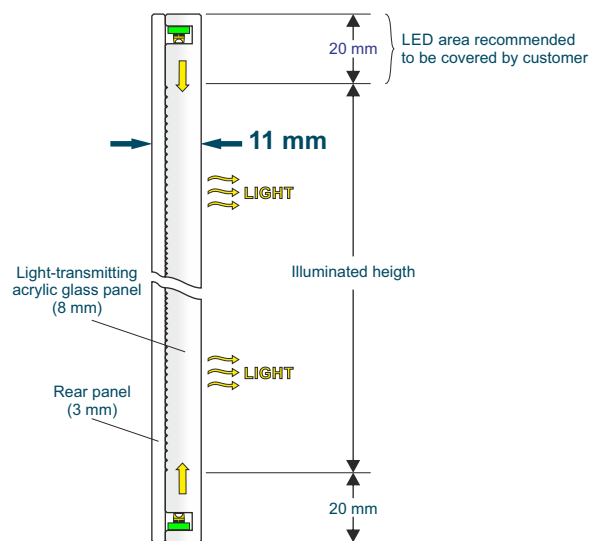
Luminous Panel with one LED strip

Luminous Panel with two opposite LED strips

General data:	
Type of connection	Parallel connection
Operating voltage	12 V / 24 V
Power cons. (12 V)	13.2 W/m (one illuminated side)
Power cons. (24 V)	11.4 W/m (one illuminated side)
Light colours	2700K / 3000K / 4000K / 5000K / 6500K
LED spacing	15 mm
Circuit board pitch	45 mm
Degree of protection	IP20
Class of protection	III
Ambient temperature range	+5 °C to +50 °C
Residual luminous flux	70% after 50,000 operating hours
Conformity	CE, RoHS
Minimum dimensions	80 x 80 mm
Maximum width	3,000 mm
Max. height (between LED strips)	1,500 mm
Overall depth (thickness)	11 mm (+/- 1.5 mm)
Weight	13 kg/m ²

Material properties – PMMA (acrylic):	
Manufacturing process	Casting
Linear expansion	0.07 mm/(m K) (DIN 53752-A)
Reaction to fire	Building material class B2 (DIN 4102)
Flammability	HB (UL 94)

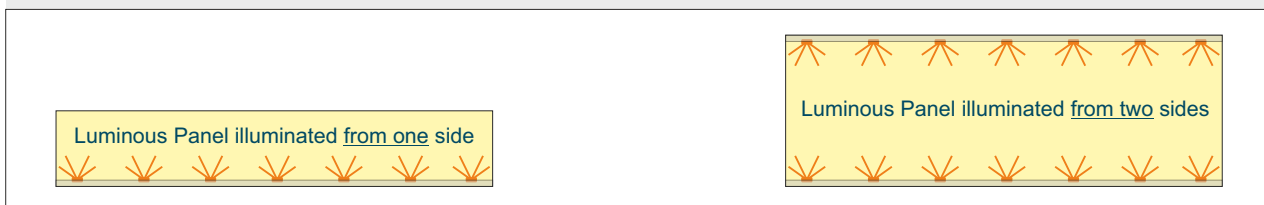
Photometric data (luminance on the surface) for panels illuminated from one side:			
Type	Illuminated height	→ 200 mm	400 mm
Basic		1.100 cd/m ²	650 cd/m ²



Luminous Panel Basic

Photometric data (luminance on the surface) for panels illuminated from two sides:			
Type	Illuminated height	→ 500 mm	1,200 mm
Basic		950 cd/m ²	450 cd/m ²

Variations:



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



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