

LC glass

The intelligent LC glass becomes transparent when placed under an electric voltage. Its translucency in a transparent condition is approx. 80 %. An opaque (milky white) glass surface, which may be utilised as effective visual protection, is formed

when the power supply is switched off. Thus, disturbance through movements outside the glass pane may be avoided during such things as complex operations. At the same time, the amount of incident light may be increased as required.

Dimensions

Minimum dimensions	200 x 300 mm
Maximum dimensions	1800 x 2800 mm
Total thickness	approx. 11.5 mm

Technical data

Glass composition	11.5 mm laminated glass (5 mm glass - 1.5 mm shelter film - 5 mm glass)
Shelter film	2 coated plastic films within the glass laminate
Colours / Designs	able to be combined with coloured glass and digital printing
Visual appearance	OFF: opaque (milky white) / ON: transparent
Translucency	approx. 80 % (in transparent condition)
Disinfection	resistant against disinfectant and hospital detergents
Operating temperature range	-10° C to +70° C

Power supply unit

Input voltage	110/230 VAC / 50/60 Hz
Output voltage	36/42/48 VAC / 50/60 Hz (operating voltage)
Current	0.05 A/m ²
Power	approx. 2 W/m ²
Response time	< 0.1 sec.
Switching cycles	> 100,000,000

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