



FILMBASE Colorful
Gray/Black/Blue/Green/Orange/Red

>99%
Uv Block

5W/m²
Low-Power

Key Features



Dynamic Privacy



Environmental protection



Space partition



Touch screen and projection



Security



Heat-resistant and anti-scratch

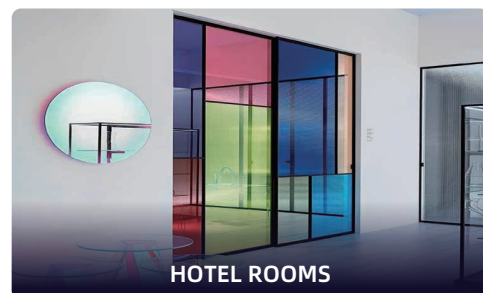
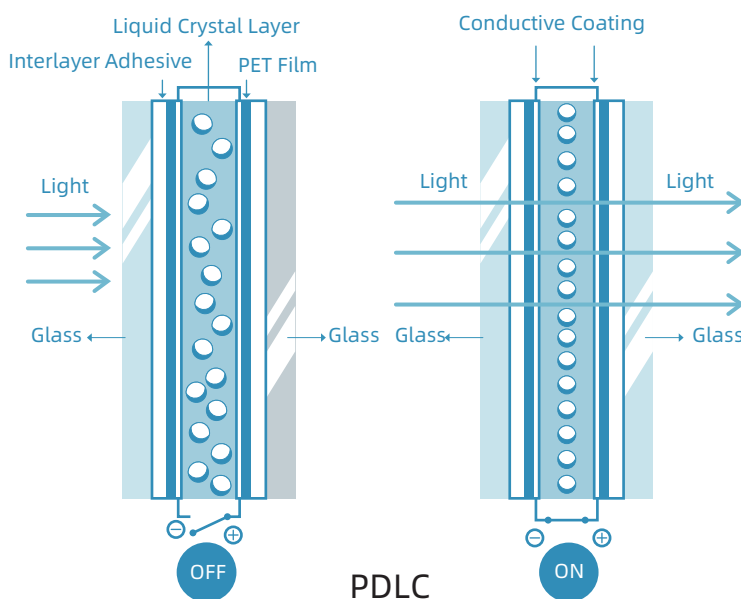


Anti-noise



Various control methods

Technical Principles



FILMBASE NZ by COLOURWORX

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www.colourworx.co.nz

Gray adhesive PDLC film	Total Thickness		0.47mm
	Cut to Sheet	Width	100-1800(mm)
		Length	100-50000(mm)
	Roll	Width	1200,1500,1800(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches
Gray laminated PDLC film	Total Thickness		0.38mm
	Cut to Sheet	Width	100-1800(mm)
		Length	100-50000(mm)
	Roll	Width	1200,1500,1800(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches
Other colors adhesive PDLC film (black,blue,green,orange,red)	Total Thickness		0.54mm
	Cut to Sheet	Width	100-1500(mm)
		Length	100-50000(mm)
	Roll	Width	1500(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical teansmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 200 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 220 ms	
Operating temperature	--	-30℃ ~ 85℃	constant temperature and humidity testing machine
Life-span	--	100000 Hours	GB18910.5-2008
Switching times	--	≥ 2 million times	Self-made on/off tester

A 3D exploded view of the PET release film structure. The diagram shows a stack of layers: a light blue PET release film at the bottom, followed by a brown PET layer, an orange OCA glue layer, a grey ITO conductive film layer, a white PDLC layer, another grey ITO conductive film layer, another orange OCA glue layer, another brown PET layer, and a light blue PE protective film at the top. A circular inset provides a magnified view of the interface between the PET release film and the PET layer, showing the PET release film, PET, and Silica gel layers.

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