



FILMBASE Reverse

>85%
Uv Block

5W/m²
Low-Power

Key Features



Dynamic Privacy



Environmental protection



Space partition



Touch screen and projection



Security



Heat-resistant and anti-scratch

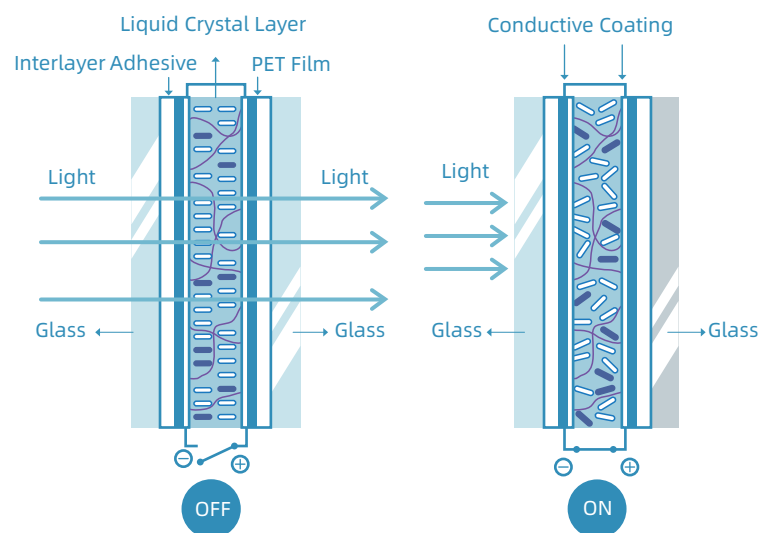


Anti-noise

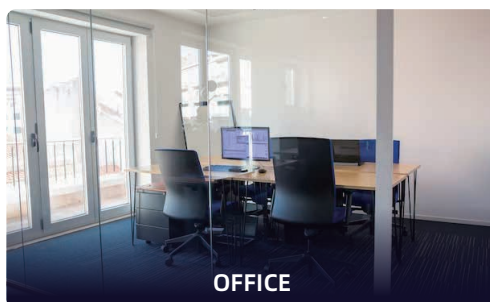


Various control methods

Technical Principles



PNLC



FILMBASE NZ by COLOURWORX

Email: sales@colourworx.co.nz Tel: +64 9 263 0500

Address: Unit D / 138 Plunket Ave, Manukau, Auckland 2104, NZ

www.colourworx.co.nz

Specifications

Total Thickness	Adhesive PDLC film	0.37mm		
	Laminated PDLC film	0.28mm		
Cut to Sheet Length		100-50000(mm)		
Roll compriment		30meters / 50meters		
Roll internal diameter		6inches		
Detailed dimensions	Cut to Sheet width	Cartoon Size	CBM	Weight(KGS)
Roll	1200	1450x390x390	0.221	64
	1400	1650x390x390	0.251	68

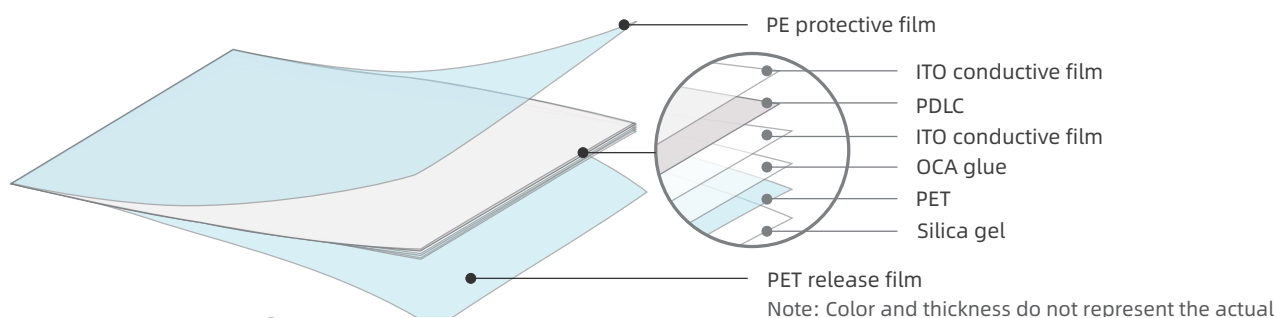
Optical Parameter

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/Voltage Regulator,WGW
Power consumption	ON	avg 4-6/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°+1	Visual Inspection
Uv blocking rate	OFF	≥ 85%	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°C ~ 85°C	constant temperature and humidity testing machine
Life-span	--	100000 Hours	GB18910.5-2008
Switching times	--	≥ 2 million times	Self-made on/off tester

Product Transparency / Haze

Items	Full light tester				Parallel light tester	
	ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Adhesive PDLC film	OFF	7	90.0	3.85	80.0	85.0
	ON	92	88.0	4.42	/	19.0
Laminated PDLC film	OFF	7	90.0	1.71	80.0	85.0
	ON	92	88.0	1.84	/	19.0

Structural



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