



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

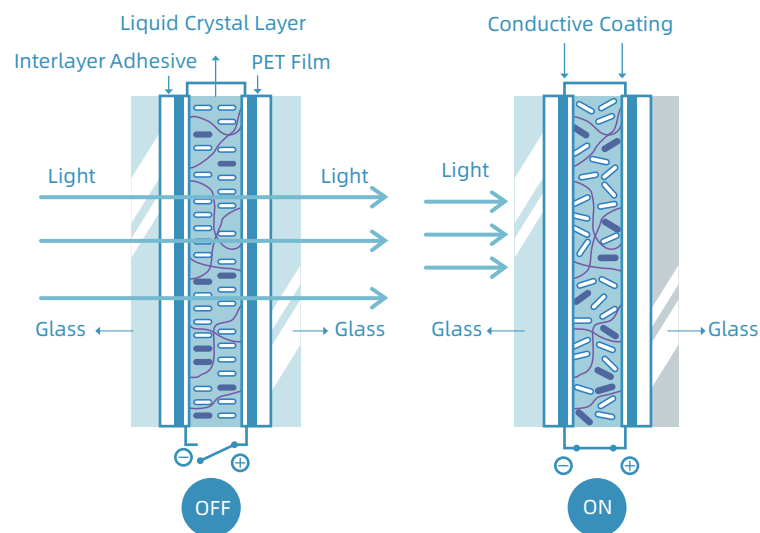


Anti-noise

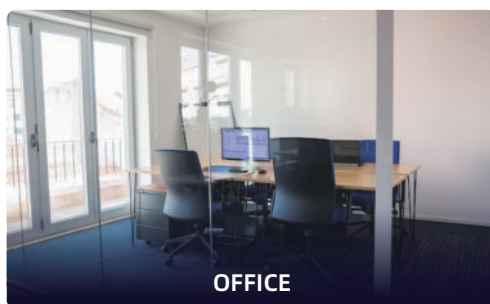
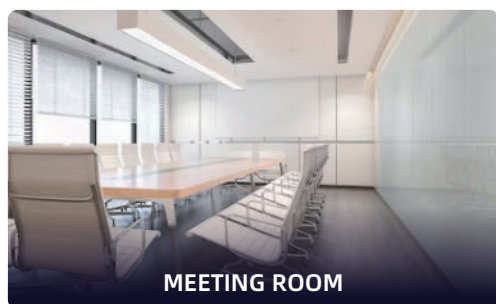


Various
control methods

Technical Principles



PNLC



Shenzhen Filmbase Technology Co., Ltd.

Email: info@filmbase.cn **Tel:** +86-755-2850-5346

Address: 31F 3A Building, Smart Park, Baolong street, Longgang district, Shenzhen, China



Size

Items			
Adhesive PNLC film	Total Thickness		0.37mm
	Cut to Sheet	Width	100-1400(mm)
		Length	100-50000(mm)
	Roll	Width	1200,1400(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches
Laminated PNLC film	Total Thickness		0.28mm
	Cut to Sheet	Width	100-1400(mm)
		Length	100-50000(mm)
	Roll	Width	1200,1400(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches

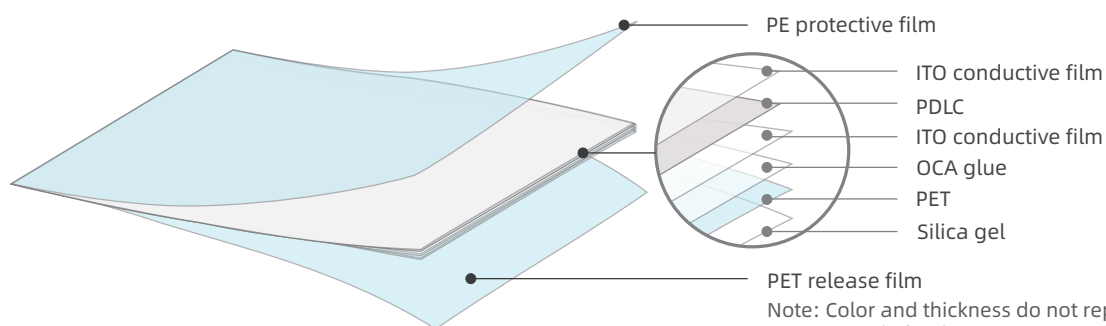
Optical Parameter

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/Voltage Regulator,WGW
Power consumption	ON	agv 4-6/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°+1	Visual Inspection
Uv blocking rate	OFF	≥ 85%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 200 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 220 ms	
Operating temperature	--	-30℃ ~ 50℃	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



Note: Color and thickness do not represent the actual situation,only for the convenience of illustration.

