



## FILMBASE 0505

Smart Glass

>99%  
Uv Block

5W/m<sup>2</sup>  
Low-Power



### Dynamic Privacy

Complete privacy or transparency when you need and want it most.



### Temperature Control

Solar Control smart films reflect IR light providing cooler interiors and less HVAC costs.



### High ROI

Mitigate longterm costs associated with cleaning, cooling, and signage.



### Dynamic Designs

Custom shapes and patterns add style and function to windows and partitions.



### Optimize space

Replace thick studded walls with thin partitions or section open floor plans with minimalist solutions.



### Easy To Clean

Eliminate fabric or electronic curtains that are hard to clean and collect germs while affecting designs.



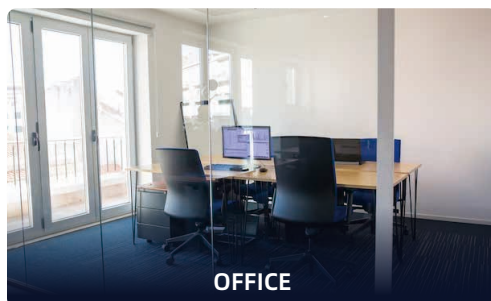
### Anti-noise

Compared with ordinary glass, the anti-noiseability of glass using Filmbase PDLc film is increased by 20%.



### Various control methods

To meet your various needs, we have multiple control methods: remote control, wired control, infrared sensing, voice control, mobile applications, etc.



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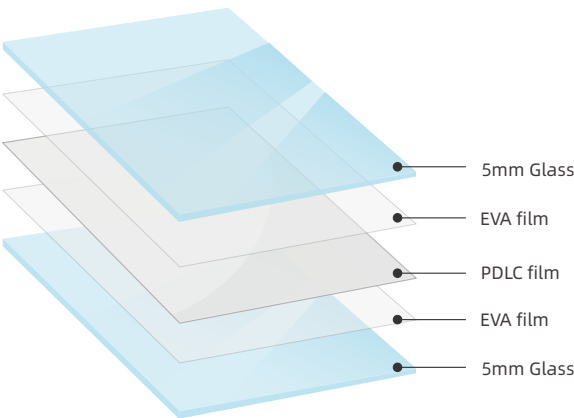
Product Parameters

Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	4%
Haze (off)	94%	94%	94%
Light transmittance (on)	80%	81%	84%
Light transmittance (off)	67%	68%	72%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m <sup>2</sup>	5w/m <sup>2</sup>	5w/m <sup>2</sup>
Compatible with	Eva	Eva	Eva
Biggest size	2000x2800mm	2000x2800mm	2000x2800mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

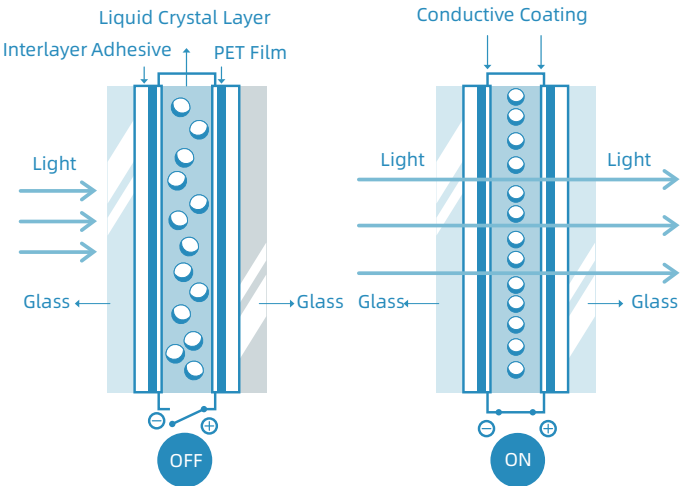
Optical Parameter

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m <sup>2</sup>	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	≤ 30 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200 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

Structural



Technical Principles



PDLC Film

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

