



FILMBASE 1010

Smart Glass

>99%
Uv Block

5W/m²
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.



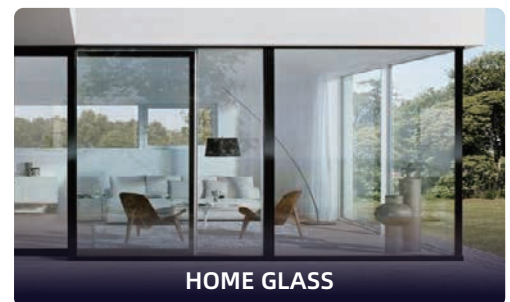
Anti-noise

Compared with ordinary glass, the anti-noise ability 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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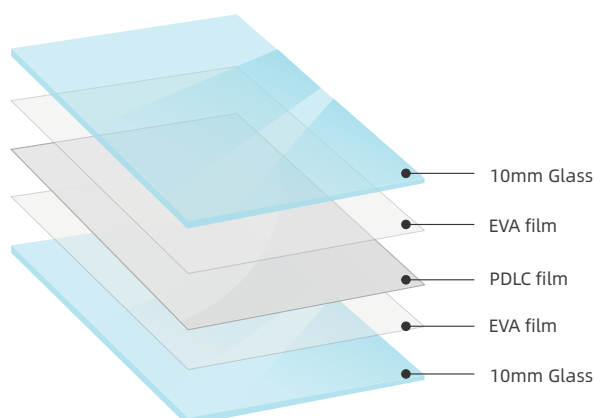
Product Parameters

Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	69%	70%	73%
Light transmittance (off)	55%	56%	59%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m ²	5w/m ²	5w/m ²
Compatible with	Eva	Eva	Eva
Biggest size	2000x5000mm	2000x5000mm	2000x5000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

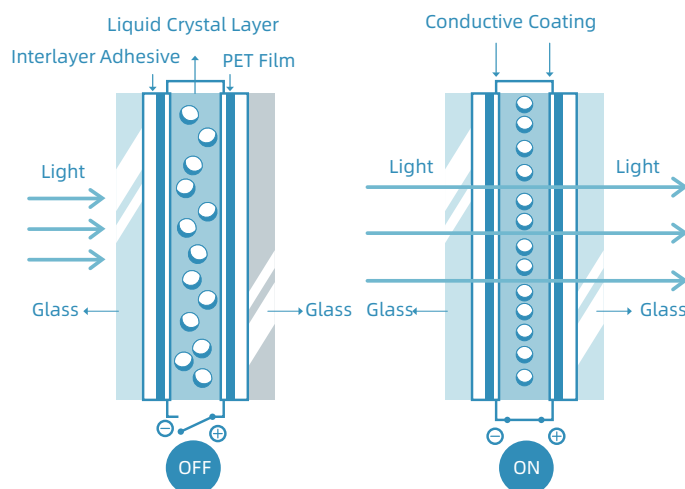
Optical Parameter

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance 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



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

PDLC Film

