

Casement Window

>99%
Uv Block

5W/m²
Low-Power



High-strength aluminum alloy

Adopting high-strength aluminum alloy door frame, combined with hidden hinge design.



Space partition

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



Transparent switching

The built-in PLCD film can switch between transparent and atomized states, achieving privacy protection and natural lighting.



Isolate noise

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



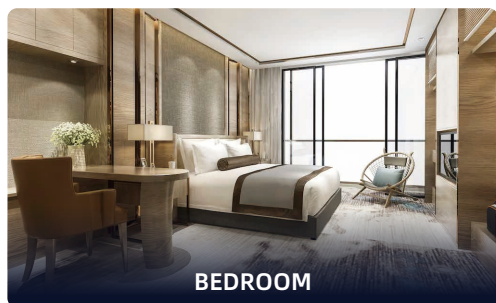
Safe and durable

It has excellent insulation, sound insulation, waterproofing, and windproof performance, while also considering safety and durability.



Easy to clean

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



BEDROOM



BALCONY



NEGOTIATION ROOM

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Product Parameters

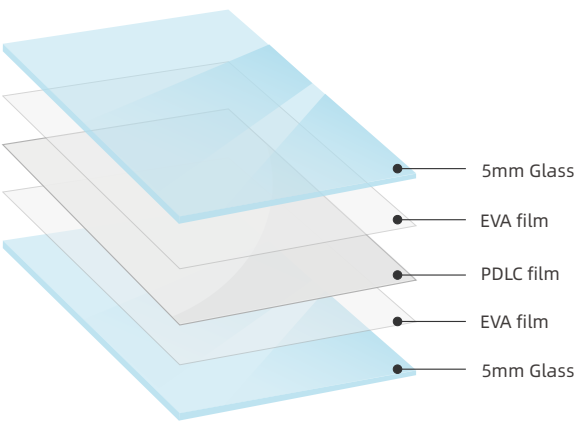
Products	Standard glass	Door frame color
70-Broken bridge type aluminum alloy Casement window (openable inside and outside)	5+5+15a+5 (84 Super White with accessories)	Metallic Gray, Brown, Iron Crystal Black, Sand Gray

Detailed parameters
Material wall thickness: 2.0mm, frame width 70mm, opening fan width 75mm.
Can do inside open, outside open, upward hanging, outside flat open upward hanging. Inside open inside inverted, open the fan height of 1500mm, open the fan width of 750mm, can be done within the casement door, casement door activity fan 2300mm, casement door open the fan width of 1000mm, the bottom height of 500mm. Hydraulic cushion hinges are available for an additional RMB 150/pc.

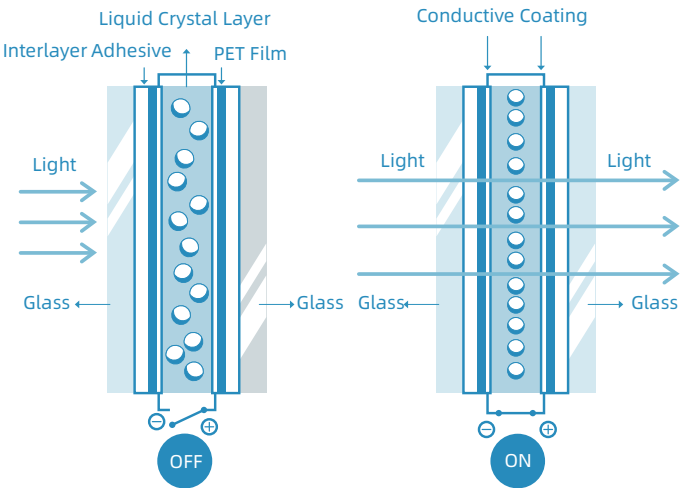
Optical Parameter

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 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℃ ~ 85℃	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

