



FILMBASE 091

Smart Film

90%-92%
Highest transmittance

<3%
Haze

Key Features



Dynamic Privacy



Environmental protection



Space partition



Touch screen and projection



Security



Heat-resistant and anti-scratch

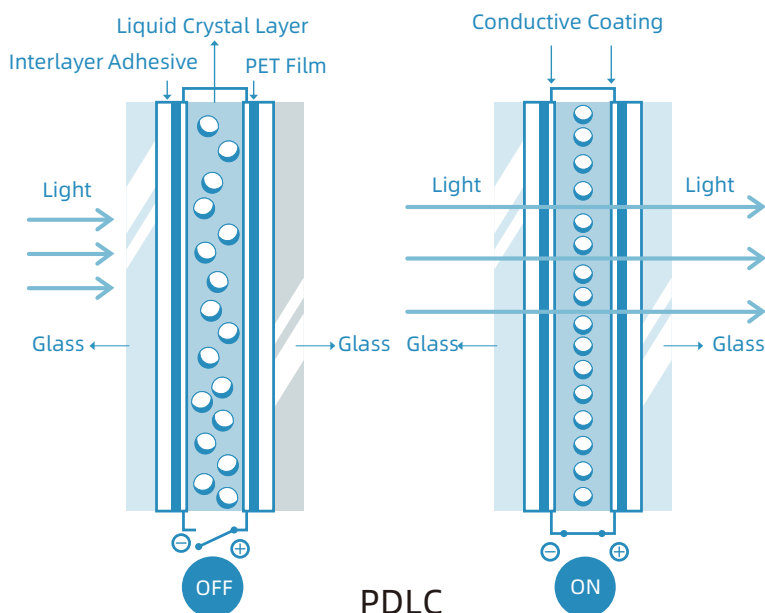


Anti-noise



Various control methods

Technical Principles



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Specifications

Total Thickness	Adhesive PDLC film	0.47mm		
	Laminated PDLC film	0.38mm		
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	800	1050x390x390	0.160	43
	1000	1250x390x390	0.190	52
	1200	1450x390x390	0.221	64
	1400	1650x390x390	0.251	68
	1500	1750x390x390	0.266	74
	1800	2100x390x390	0.319	84

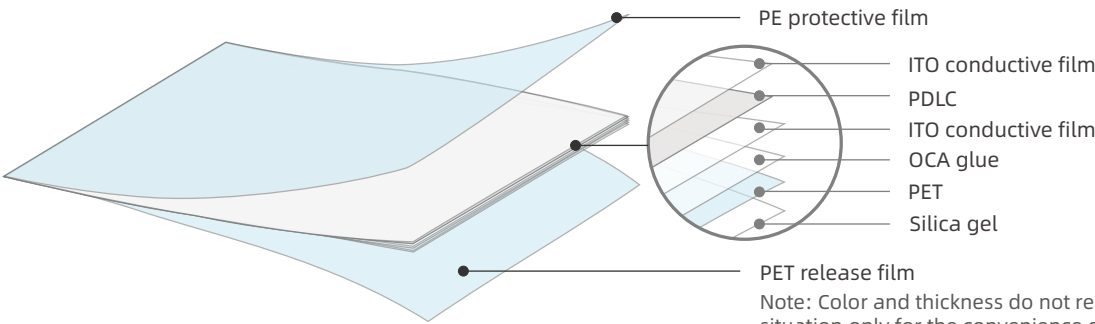
Optical Parameter

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m²	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

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	94.5	85.0	7.57	/	/
	ON	3.00	91.0	5.29	60.0	88.0
Laminated PDLC film	OFF	94.5	85.0	6.79	/	/
	ON	3.00	91.0	4.31	60.0	88.0

Structural



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

