

SPECIFICATION

PDLC Film Test Result / Description		Status	Data	Remarks
Optics	Parallel light transmittance	on	> 82%	GB/T 2410-2008
		off	< 4%	
	Visible light transmittance	on	>80%	GB/T 22476-1994
		off	> 50%	
	SHGC	off	51%	
		on	82.9%	
	SC	off	0.59	
		on	0.95	
	U Value	on/off	5.59W/m2 ^k	GB/T 22476-2008
	Haze	on	< 6%	GB/T 2410-2008
off		> 90%		
UV Block	on/off	> 98%		
viewing angle	on	> 160 °		
Electrical	Power voltage	on	36~50VAC	electrical measuring instrument
	Response time	on → off	< 200ms	Liquid crystal measuring instrument
		off → on	< 200ms	
Power consumption	on	< 3W/ M 2	multimeter	
Environment	Work Temperature	on/off	- 20°C to + 70°C	Far from heat, chemical, liquid, wet.
	Storage Temperature		- 15°C to + 50°C	
	Humidity		< 70%RH	
Duribility	Life time		> 50000 Hours	
	Switch time		> 8 million	
	peel strength		> 70 gf/inch	
Temperature - 20°C , +70°C , Humidity > 95%RH 240 H test passed				

STANDARD SIZES

PDLC Film	Thickness	Size	Length tolerance	Width tolerance
Roll	390µm ± 10%	1.2*100 M 1.5*100 M 1.8*100 M	+0.5 / -0 meter	+5 / -0 mm
Sheet with busbar	390µm ± 10%	Max. 1.9*4.8 M	+0 / -2 mm	+0 / -2 mm