

SPECIFICATION

PDLC Glass Test Result / Description		Status	Data	Remarks
Optics	Parallel Light Transmission	on	> 73%	GB5137.2-2002
		off	< 4%	
	Visible Light Transmission	on	>76%	GB/T 2680-94
		off	> 50%	
	Shading Coefficient	on	0.86	GB/T 2680-94
		off	0.67	
	U.Value	on/off	5.05W/m2*k	
	Haze	on	< 6%	GB/T 2410-2008
off		> 90%		
UV Block	on/off	> 98%		
viewing angle	on	> 160		
Electrical	Power voltage	on	36 ~ 50VAC	multimeter
	Response time	on → off	< 200ms	Liquid crystal measuring instrument
		off → on	< 200ms	
Power consumption	on	< 3W/ M ²	electrical measuring instrument	
Environment	Work Temperature	on/off	- 20°C to + 70°C	Far from heat, chemical, liquid, wet.
	Storage Temperature		- 15°C to + 50°C	
	Humidity		< 85%	
Duribility	Life time		> 80000 Hours	
	Switch time		> 2 million	
	peel strength		pass	GD15763.3-2009
Energy	Sound Insulation		> 35 dB	GB18910.1-2002
	Heat Insulation		> class 2	GB8484-2008

STANDARD SIZES

PDLC Glass	Thickness	Size	Length/width/curve tolerance
Clear Glass	5mm/6mm/8mm/10mm+1.5mm (EVA/PDLC Film)+5mm/6mm/8mm/10mm	Max. 1.5*4.2 M	GB15763.3-2009
Tempered glass	5mm/6mm/8mm/10mm+3mm (EVA/PDLC Film)+5mm/6mm/8mm/10mm	Max. 1.9*4.8 M	