



## Specifications:

Item	Mode	Parameter	
Optical Characteristics	Visible Light Transmission	ON	87%~91%
		OFF	< 50%
	Parallel Light Transmission	ON	> 75%
		OFF	< 2%
	Haze	ON	< 3%
		OFF	> 95%
View Angle of Screen	ON	160°	
UV Blocking	OFF	> 99%	
Electrical Characteristics	Operating Voltage	ON	60V AC
	Response Time	OFF-ON	< 10ms
		ON-OFF	< 200ms
Power Consumption	ON	< 5W/m <sup>2</sup>	
Dimension Characteristics	Thickness		0.4mm
	Width	Max.	1800mm
Life Time	ON		≥ 1800mm
Switching Times			≥ 2 million Times
Operating Temperature			-30°C~95°C

## Features:



99% UV reduction in both ON and OFF states.



Non adhesive, static application. Suitable for DIY or Professional Installation.



Fast Switching speed: On-Off <10ms; Off-On <200ms.



Viewing Angle: >160°.



Excellent optical properties: High Visible light Transmittance >87%. Haze rate(on) <3%.



Designed for tiling for wide width windows.

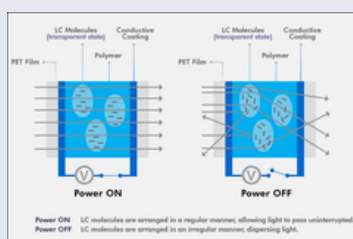
## Structure and Principles:

Non-Adhesive Smart Film is made of 2 layers of transparent conductive ITO films with polymer dispersed liquid crystal in between. It's also called PDLC film, smart window film or glass film.



When power on: LC molecules inside smart films was driven by electricity which conducted by ITO film. Now LC molecules are parallel arrangement, so light can pass through, now films are clear.

On the contrary, when power off: LC molecules are arranged in an irregular manner, now light dispersed, films turn opaque.



## Control Options:

### 1. RF Handheld Remote control -

Changes from Opaque to Clear with the press of a button on a remote.

### 2. Wall switch (dry contact) -

Simply toggle the switch to adjust your windows.

### 3. Home Automation (dry contact) -

It can integrate into your facility's existing automation infrastructure.

