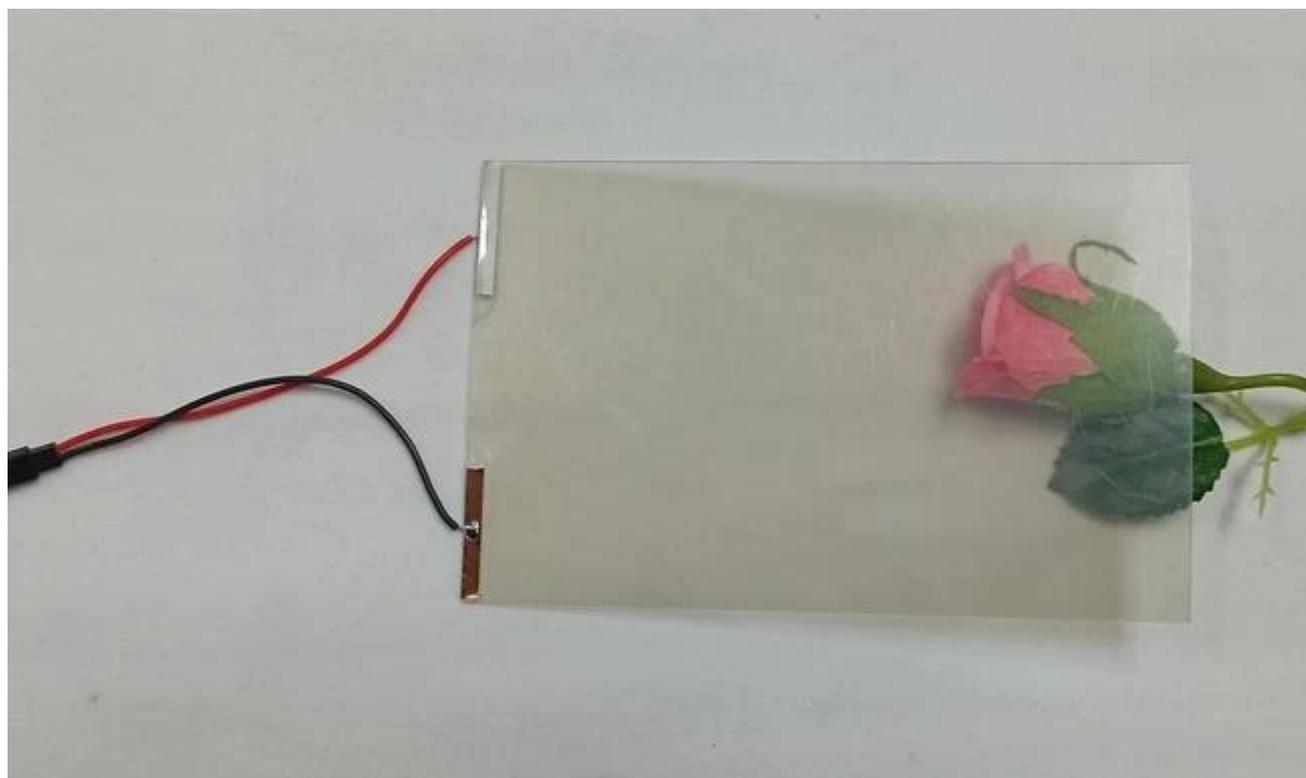


High quality pdlc smart film switchable glass for shower door and window & partition wall

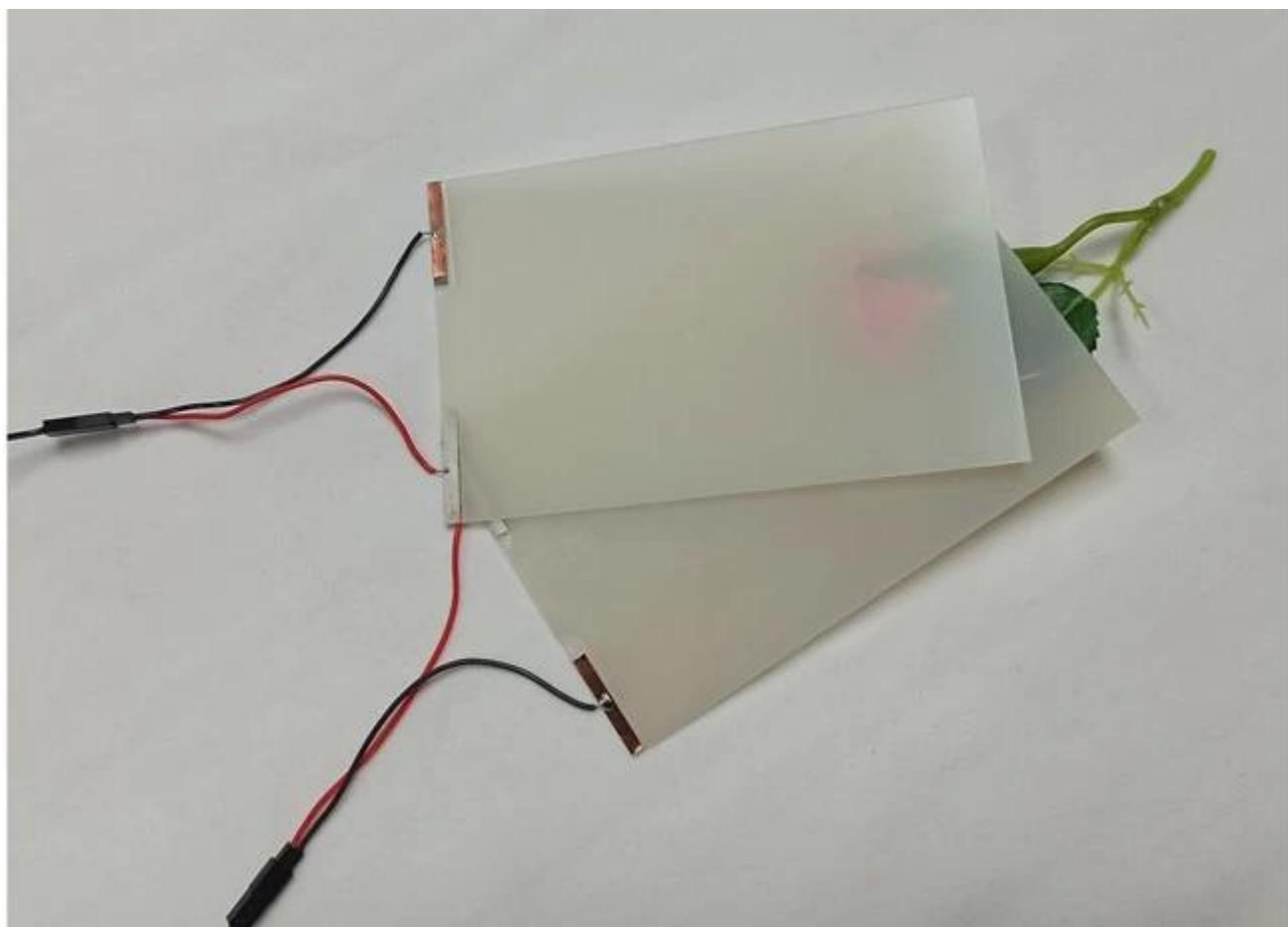
Switchable glass is a new type of special intelligent light glass product with a sandwich structure formed by compounding a LCD film between two layers of glass and then integrated by high temperature and pressure. Which can control the electricity power on or off to controlling the glass been transparency and opacity. The smart glass not only has all the characteristics of safety glass, but also has the privacy protection function to control the transparency or opaque of the glass. Due to the characteristics of the interlayer of the LCD film, the PDLC film glass also can be used as a projection screen, instead of ordinary curtains, to display high-definition pictures image on the glass .

There's three types smart PDLC film products you can buy from us, one is Self-adhesive PDLC Smart Film, another is middle used smart PDLC film and the last is smart PDLC film glass complete products, we will explain well for you as below:

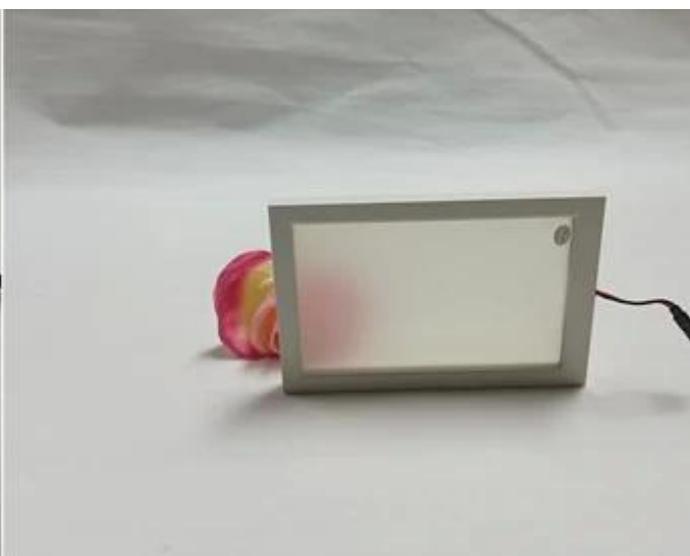
Self-adhesive PDLC Smart Film, its can be self-adhesive outside of the already installed glass window or glass door, glass partition wall,etc. The max width of 1.8meter, the length max of 50 meters. we will provide special sealant, special wiring which inflaming eatarding , self-adhesive pdlc film can control by manual work or remote control. Normally one power supply control 25m², if over this area have to matching more higher power supply.



Middle used smart PDLC film, which have to used between two panel or multi-layer glass, which will be very difficult to produce, need professional deep processed glass factory, can directly purchase the middle used smart film back to production by themselves as per clients required, and we can provide technical supporting or you can send your engineer come to our factory in China to studyhow to processed it.

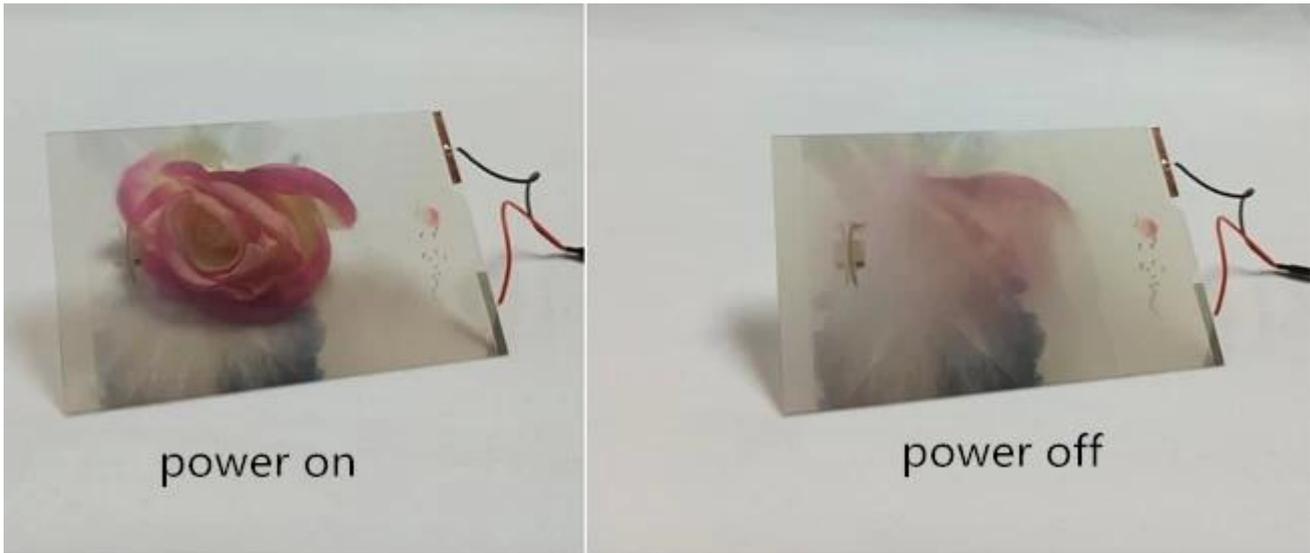


Smart film glass finished products, which include of the smart film and glass together, Its made by [laminated glass](#) with smart PDLC film and EVA film between two panel or multi-layer low iron float glass(ultra clear float glass), when power on its transparent, when power off is opaque.

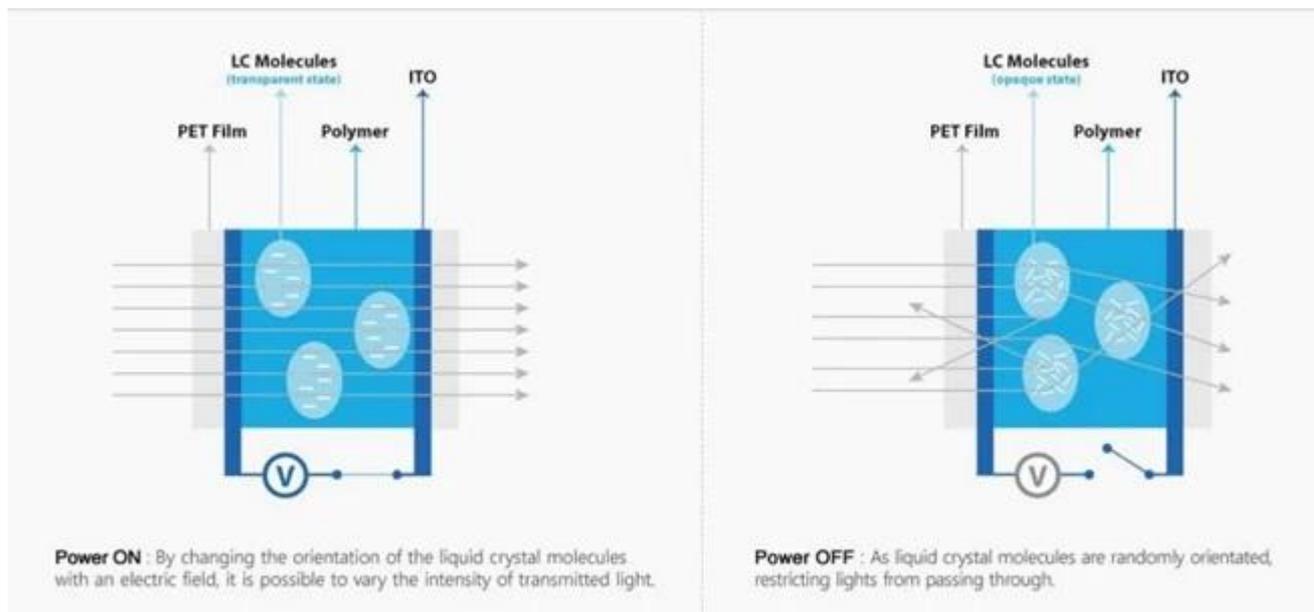


Other deep processed

For the smart film no matter Self-adhesive PDLC film or middle used smart film, we can printed any design pattern as per required.



How it works of PDLC smart glass?



When the magic glass is turned off, the LCD molecules in the electronically controlled smart glass will appear irregularly dispersed. At this time, the PDLC film glass will be appearance light transmittance but opaque . When the magic glass was powered on, the inside LCD molecules are stacking, and light can transmittance freely , the smart glass are transparent.

The Control method of magic glass : manual work , remote switch or according to customer requirements

Details of smart magic glass

| | |
|--|---|
| Item : | Switchable Glass,Privacy Glass, Smart Glass ,PDLC Glass,Magic Glass. |
| Technology Category: | PDLC film |
| Drilling and trenching: | Yes |
| Glass thickness | 11.52-40.5mm, 5+5mm, 6+6mm,8+8mm,etc |
| Original glass optional: | ordinary clear float glass, ultra clear glass , colored glass, etc. |
| Storage temperature: | -20 ° C to 60 ° C |
| Working temperature: | minus 10 degrees to 50 degrees Celsius |
| minus 10 degrees to 50 degrees Celsius | 24VAC, 48VAC or 65VAC (above 65VAC is not recommended non-safe voltage) |
| Light transmittance: | about 75% |
| Privacy distance: | Shield any image 3cm away from the other side of the glass |
| Viewing angle: | about 140 degrees. |
| Average energy consumption: | 5 watts per square meter |
| Guarantee time : | at least 2 years |

Self adhesive smart film characteristics

- 1, Privacy
- 2, energy conservation
- 3, Project curtain wall
- 4, environmental protection

Smart film and pdlc film glass application:

Such as the Project screen, Office privacy partition, window, Commercial advertisement, Home privacy window glass,[shower door](#), bathroom, etc.



We are professional glass factory in China main produce building glass, customized various deep processed glass as per required, and we also have supply chain department can help you sourcing the Aluminum and steel building materials for shower door, glass railing, window and doors,etc,



Safety packing and loading for smart PDLC film and magic glass



