

Polyvision™ LCG Liquid Crystal Glass

Through the combination of electronic technology and professional glass techniques, the new type material of liquid crystal can be struck on the glass. The glass can be immediately switched between the status of opaque and transparency by using the control technology of circuit in order to achieve the effects of light transmission or light insulation.

It can use on the doors and windows of the building. Through this kind of application, there is no need to install curtains anymore. The occupied space from doors and windows can be saved. It is just like the curtain controlled by electronic device and even more convenience. Besides, the transparency level of glass can be controlled by changing current. It is used to adjust the strength of sunlight for making the light of room to be soft and cozy.

The concept of transformation: The emulsified film can be made by using the particles with polar state which is similar to liquid crystal, and making those particles floating in the special liquid to form the film.

- Before voltage conduction: The particles are spread irregularly. The incident light will be scattered, and the glass becomes opaque.
- Voltage conduction: Because of the relationship of polar state, particles will be sequence uniformly and makes incident light can pass through.
- The adjustment of voltage: The effect of transparency can be adjusted according to the voltage strength.

Characteristics



1. **High Customization:** It can combine with any areas of glass, and also allow reforming glass no matter its shape and curved surface.
2. **Quick Response:** It can transfer from transparency to opaque immediately.
3. **Variety of control modes:** manual switch, optical control, voice control, temperature control and remote network control.
4. **High Safety:** It is safe as Laminated Glass. So it is strong to resist with noise and excellent in the

sound insulation.

5. **Easy to clean:** No more complicated installation of curtains and the trouble for cleaning in the future.

About Stanley Glass:

STANLEY GLASS is founded since 1935, and existing for over 50 years. In the filed of building glass, we are the most major distributor of TAIWANGLASS, the company of TOP 5 in the glass industries around the world. We are also one of the few factories of building glass processing and manufacturing in Taiwan for providing consistent services for different kinds of glass processing.

In 1996, our company passes through the verification of ISO 9001, and then awards CNS certificate. Together with the service objectives of “Quality, Speed, Service, Innovation, Share”, we deeply believe that only the growth of client can bring us to advance to greater enterprise.

Quality · Speed · Service · Innovation · Share

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