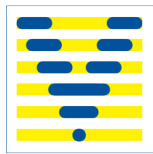


ON  OFF




CLARITY
Privacy at the flick of a switch

Making Privacy Beautiful at the flick of a switch - Clarity. Our switchable glass allows privacy and discrete observation while maintaining a stylish and contemporary feel.

Unique and unrivaled, Clarity allows discreet observation and privacy, while maintaining a smart and modern feel. Switchable Glass at its very BEST!

It couldn't be easier. With a simple on/off switch, Clarity applies an electrical charge to the glass, changing its state from opaque to clear. Releasing the switch, returns it from clear to opaque instantaneously. While transparent, you enjoy the uninterrupted views from your window or door, then when privacy is needed, the frosted state acts just like a blind, providing seclusion and security.

Clarity can be supplied in either single pane form or as a double glazed sealed unit. When double glazed, it also offers the benefits of improved thermal performance, offering greater control and comfort within any room.

BENEFITS

- Instant control of privacy
- High UV protection
- Superior Light Transmittance
- Low Haze in off-axis viewing angle
- Flexible production size
- Can be retro-fitted
- Single or Double Glazed Laminate glass panels
- Fire rated glass available
- Ease of use
- Suitable for commercial and residential use

APPLICATIONS

Healthcare

Hospitals, Operating Rooms, Surgery Centers, Doctor's Offices/ Clinics, Nursing Homes, Extended Care Facilities and more.

High Security Environments

Correctional Facilities, Mental Health Institutions, Banks, Police Stations, Court Houses, Government Buildings, Municipalities and more.

Commercial

Commercial Offices, Hotels, Banks, Retail Store Fronts, Office Buildings, Conference Rooms and more.

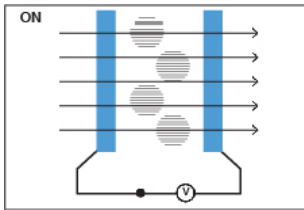
Education

Universities, Grade Schools, Child Care Facilities and more.

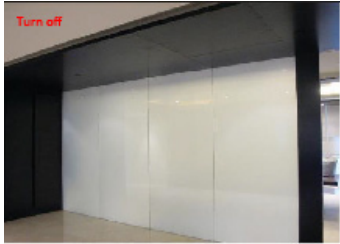
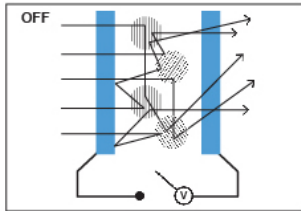
Residential

Large Door Panels, Floor-to-Ceiling Partitioning Systems, Wall Systems and more.





When electricity is applied, the liquid crystal molecules line up, the incident light passes through, and Clarity looks clear.



When the power is off, the liquid crystal molecules are randomly oriented which scatters incident light, and Clarity becomes translucent.

Specifications

Visible Light Transimission	ON > 89% OFF >=2%
Haze	ON < 4% OFF >= 91%
Viewing Angle of Screen	ON <160 Degrees
UV Blocking	ON & OFF >=99%
Operating Voltage	ON 60V AC
Response Time	OFF > ON <10ms ON > OFF <200ms
Power Consumption	< 5W/sqm
Color	White when OFF
Working Temperature	-30°C to 50°C
Storage Temperature	-30°C to 70°C
Life Span	ON >15 years
Switch Life	>2 million times

Construction

PDLC (Polymer Dispersed Liquid Crystal) film is laminated between two panes of glass, including fire rated panes



Clarity Film (PDLC) constis of a GEL Center Layer between two ITO Layers and two PET Protective Layers.

Sizes

Panels	Custom Sizes up to 35 sq ft
Transformer Capacity	One transformer for every 96 sq ft

CUSTOMER SERVICE

For technical assistance or installation questions not covered in this document, please contact our Technical Services Department at (866) 466-9525 or visit www.privacyglassolutions.com.

