

Clarity



PRIVACY GLASS
SOLUTIONS™

Smart Glass For Smarter Spaces

Clarity by Privacy Glass Solutions is a cutting-edge switchable glass, offering instant privacy with a sleek, modern design. With a simple on/off switch, it shifts from clear to opaque in seconds, eliminating the need for blinds.

Available in single or double-glazed units, Clarity enhances both privacy and thermal performance, providing comfort, control, and seamless design for any space.

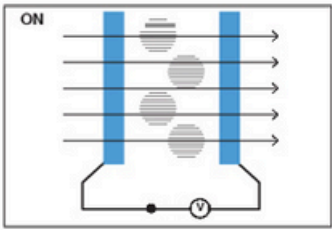


APPLICATIONS

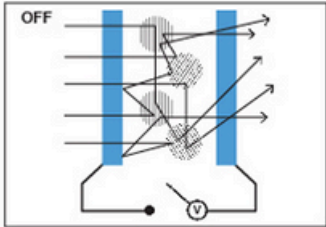
- Healthcare
- High Security Environments
- Commercial
- Education
- Residential

Benefits

- Instant control of privacy
- High UV protection
- Superior light transmittance
- Low haze Factor (<3%)
- 80,000 switch life
- 50,000+ hour lifespan
- Low power consumption
- Flexible production size
- Can be retrofitted
- Single or double glazed laminate glass panels
- Fire-rated glass available
- Suitable for commercial and residential use



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

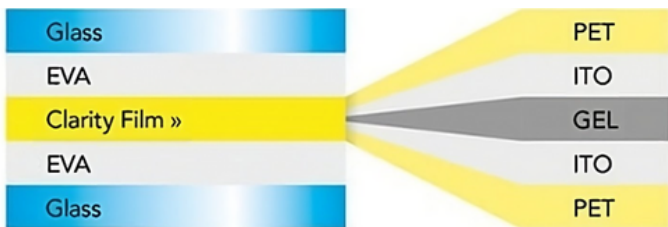


When the power is off, the liquid crystal molecules are randomly oriented which scatters incident light, and Clarity becomes translucent.

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) consists 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

