# Switchable Privacy Film Specifications

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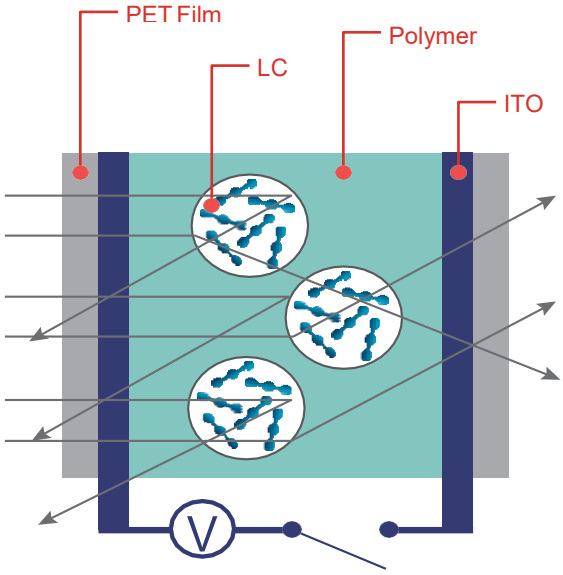
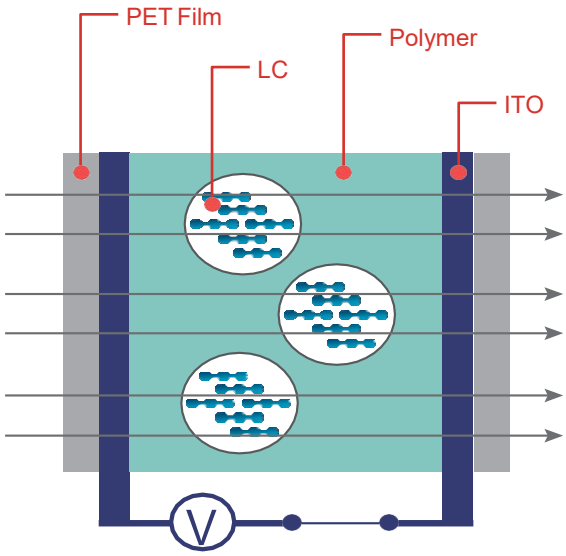
## Construction:




*With no power applied, the LC Switchable Privacy Film is opaque, because the molecules of the liquid crystal droplets in the polymer matrix freely move around and scatter light.*




*When power is applied, the liquid crystal droplets are aligned with the electric field direction, which allows light to pass through the film.*

### Method of Action:

Electrical current either aligns or randomizes embedded liquid crystals to achieve desired transparency. (Power off = Private)

### Function:

Provides switchable privacy for a translucent, milky white, laminated panel to become transparent with the application of an electrical current to an embedded layer of liquid crystal particles.

### Switching Options:

Various switching options are available: A basic single-pole single throw switch; On/off remote fobs; Advanced integration into home automation systems; Or wall mounted dimmer.

### Energy Data:

Input Power: 110-120VAC / 50-60Hz
Output: 60VAC
0.47 Watts / ft²; 0 watts in privacy state

### Dimension:

Adhesive Film Maximum: 59” (1500mm) x 118” (3000mm)
Non-Adhesive Film Maximum: 70” (1800mm) x 118” (3000mm)

### Thickness:

0.50mm Adhesive
0.38mm Non-adhesive

*All power supply components are cULus recognized*

### Performance Data**:

Visible Light Transmittance*: ON 87%; OFF 9%
UV Blocking: 99% IR Blocking: ON 13%; OFF 68%
Operation Cycling: >2 million
Lifetime Expectance: >100,000 hours

Operating Temperature: - 4°F to 158°F
Switching Time: ~200ms Private to Transparent
~250ms Transparent to Private
Haze: <3%* +

*dependent on type and thickness of substrates and glass used + off-angle viewing can increase visual haze factor

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DYNAMIC GLASS PRODUCTS, LLC
Enhancing Glass Performance

# Switchable Privacy Film

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Use remote on/off fobs for easy switching from clear to private mode.

Increase the writeable surface area in the meeting room by using dry erase markers on Switchable Glass.

Switchable Glass can be cleaned and disinfected, unlike mechanical blinds or shades.

Protect and respect patient privacy

Keep prying eyes from seeing into your living space.

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