



GHOST GLASS SMART FILM PRIVACY FILM

When you need it most, Ghost Glass™ can bring instant privacy to your space. Turn the glass on for a see-through window experience, or power down to create an opaque covering for protection.



PDLC FILM BENEFITS

UV PROTECTION

Ghost Glass™ PDLC film provides 99.99% UV protection in both on and off settings. Applying Ghost Glass™ film to your windows and doors will reduce HVAC costs and guard fabrics and artwork from harsh sunlight.

PRIVACY ON-DEMAND

Ghost Glass™ PDLC film serves as a unique and easy solution to providing on-demand privacy to any glass surface. Windows, doors, office spaces, classrooms - the list of applications is endless.

ENVIRONMENT

Environmentally conscious, Ghost Glass™ offers a non-intrusive, cost-effective, an low-energy output solution to window treatments. In both high and low temperatures, Ghost Glass™ acts as an additional layer of UV insulation.

SECURITY

With everything going on in the world right now, we want to feel secure. Ghost Glass™ offers a high-end, affordable, long-term solution to both commercial and residential security. In addition to our film, our window kits can be installed on almost any solid, pre-hung door.

CUSTOMIZATION

Ghost Glass™ PDLC film can be applied to any glass surface. Curved glass of a conference room, classroom doors, hospital windows, bank entryways or partitions, and any residential glass; both indoor and outdoor, can be customized.

SAVINGS

From a sunny Florida residence to a light-catching skyscraper, Ghost Glass fulfills privacy and UV protection needs - ultimately saving HVAC expenses and increasing the lifetime of living and business spaces.

PRODUCT DESCRIPTION

- Polymer-Displaced Liquid Crystal (PDLC) Film is a technological feat. In Ghost Glass™ PDLC Film, the liquid crystals are arranged in a scattered droplet pattern. When an electric current is applied, the droplet formations react in a synchronized manner allowing the liquid crystals to transition from opaque to clear.
- The PDLC film (Polymer-Dispersed Liquid Crystal) technology combines polymers and liquid crystal materials, creating a base for a new generation of window displays.
- PDLC has properties to become transparent when an electric current is supplied to it, allowing you to turn the film from transparent to opaque with simple controls.

Smart Film Specifications

Optical Properties			Electrical Properties		
Parallel light transmission	ON	≥85%	Operating Voltage	ON	35V-60V
	OFF	<1.5%	- Min voltage	ON	<25V
Visible light transmission	ON	≥63%	Frequency	ON	50/60 HZ
	OFF	≤70%	Switching time	ON-OFF	<45ms
Visual angle	ON	160°		OFF-ON	<45ms
UV blocking	ON/OFF	>99%	Rated power	ON	3w/m²
Faze	ON	≤3%	Performance		
	OFF	≥ 92.5%	Insulation temperature	8-12°C	
Physical Parameter			Shanding factor	0.2-0.8	
Thickness	0.4mm		Other parameters		
Max width-Self-adhesive	1.8m		Working Temperature	-30°C-90°C	
-Non-adhesive	2.0m		Preserve Temperature	-30°C-90°C	
Viscosity	100gf		Life time	ON≥ 80000h	

Glass Specifications

Thickness	Color	Pattern
· 5mm+5mm	· Transparent	· Landscape
· 6mm+6mm	· Yellow	· Customiz
· 8mm+8mm	· Green	
· 10mm+10mm	· Customized	

ADVANTAGES OF PDLC FILM



GHOST GLASS PRIVACY WINDOW LITE

Ghost Glass Smart Film Window Lite Application adds an extra layer of security. When switched to the opaque mode, it obscures the view from the outside, protecting your space and valuables from potential intruders or prying eyes.

SMART FILM CAR KIT

Upgrade your driving experience with Ghost Glass Smart Film Car Kits and enjoy the benefits of privacy control, sun protection, aesthetic enhancement, energy efficiency, and convenient operation. Transform your car into a luxurious, personalized space that reflects your style and sophistication. Choose our Smart Film Car Kits and experience the future of automotive window technology.

DIFFERENT APPLICATIONS



Commercial



Residential



Automobile



Marine

ROLL DIMENSIONS

47"W x 164'

59"W x 164'

70"W x 164'

47"W x 33'

59"W x 33'

70"W x 33'