

Gauzy

Liquid Crystal LCG®

www.gauzy.com | sales@gauzy.com

Embedding Science into Raw Materials

Gauzy's premium Liquid Crystal Films and controllers enable various forms of light to be controlled when applied into, and onto, transparent surfaces.

LC TECHNOLOGY + GLASS = LCG®

dynamic glass that switches from transparent to varying degrees of opaque

Liquid Crystal Products

All Gauzy's films are available in Laminated or RetroFit applications, in raw material rolls, or custom laser cut sheets, with a maximum width of 1.8m.

White / Dark / IR Solar Control / Spectrum Colors / Low Voltage Pixel Custom Patterns (Blinds) / Active & Passive Vizio Projection



Lowest haze / UV Protection / Fast switching times
Ultra low energy consumption / High light transmittance
Easy connection, integration, and operation

Retrofit

Transform existing glass into LCG®

- Works just like laminated film
- Wet adhesive for easy installation
- Scratchproof coating for easy cleaning
- Custom shapes and sizes for polite advertising and projection

Laminated

Support sophisticated projects from the start

- Ultra-low haze with PVB or EVA
- Seamless cutting, laminating and installation process
- Embedded for durability, reliability and extra safety
- Ideal for new buildings and renovation projects
- Easy maintenance and cleaning



Gauzy Controller

Providing the industry's best transparency and opacity performance with unique square waveforms



MultiPlex

Customization for up to 32 outputs, allowing independent control over multiple glass panels or LCG® segments (Pixel Patterned film)



FLEX

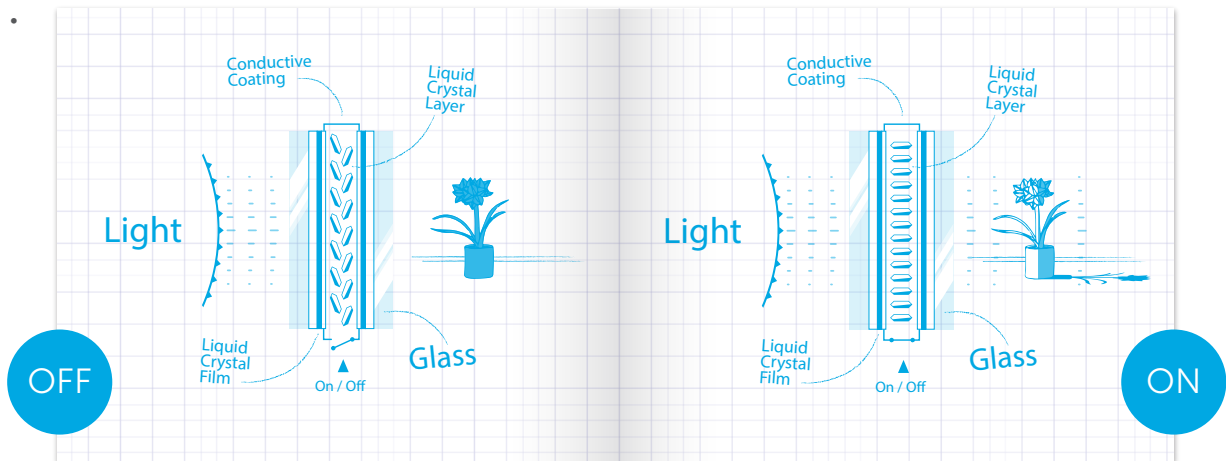
On/Off or Dimming capabilities for complete light control in up to 10 m² of LCG®



MINI

Ideal for smaller glass installations, with On/Off configuration to control up to 4 m² of LCG®

- Small form factor and footprint
- Advanced protection features for better ROI and MTBF
- Ultra-low voltage and power consumption
- Large drive capacity
- WIFI/DMX/RS-485 Compatible



Randomly aligned LC molecules scatter the light, making the glass opaque, ideal for projection, privacy, and drawing.

Electricity from Gauzy controller arranges the LC molecules on demand, making the glass transparent, for an open clean atmosphere.

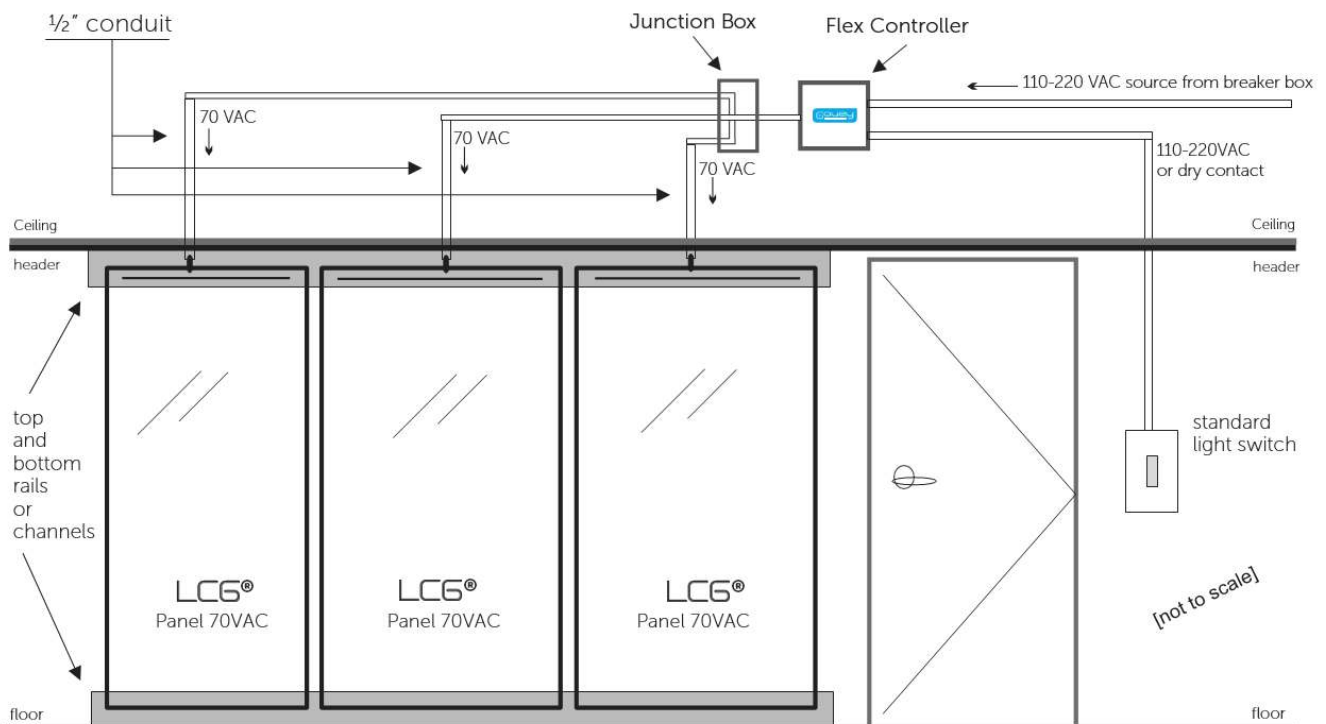
White Film Specifications

Color	Translucent	Clear
VLТ (Parallel Light Transmittance)	3%	78%
Total Transmittance	65%	80%
Haze (ON)	Min. 2.5%	
Off-axis Haze 45° (ON)	9-12%	
Max. Roll Width	1800 mm	
Film Thickness	270-370µ	
Switching Time	Off -> On = 10ms On -> Off = 150ms	
Operating Modes	ON/OFF, Dimmer	
Operating Voltage	35-70VAC Square Wave	
Operating Frequency	25,32,50 Hz	
Gauzy Controller	Patented FLEX Controller Patented MultiPLEX Controller Custom FLEX Automotive Controllers	
Power Consumption	2-4W/m ²	
Operating Temperature	-20°C to +70°C (+90 C, is Under Development)	
IR Reflective	15%	
UV Block	99%	

- Best haze on the market. Haze tested on Haze Gard I
- All optical performance tested on Gauzy Patented PDLC Controllers
- Films can be ordered in rolls or cut-to-fit sheets, with any length, up to 1.8m width

* The above specifications are averages and for marketing purposes. Results will vary based on lamination process. For additional information please contact sales@gauzy.com

Basic LCG® Installation





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