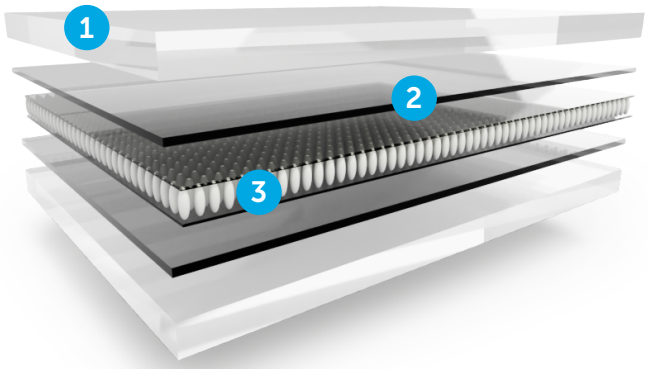
HP-LCG® Technology

Gauzy's High Performance LCG® (HP-LCG®) technologies are used to create smart glass defined by premium optical, mechanical and electrical performance, compatible with low voltage operation.

Standout Product Features:

- the lowest ever haze of just 2.2% with a standard operating voltage of 70VAC
- standard required low haze of 3.3% when operated at 42VAC for low voltage applications
- reduced off-axis haze, allowing for clarity at wider viewing angles ideal for large panels, and implementation in tight corridors and corners.

Compatible with our new DUO controller line which supports low voltage configurations with COM, DMX, and RS-485 for specialized programming and sequencing.



1. Glass
2. Adhesive Interlayer
3. LC Film with PET/ITO

Currently available in:

- White Laminated Smart Glass

Coming Soon:

- White Adhesive Smart Film
- Dark Laminated Smart Glass
- Dark Adhesive Smart Film

Specifications:

		White HP
Film Optical Perfomance		
Attribute	OFF	ON [1]
Parallel Light Transmittance [2]	4.8%	78%
VLT (Total Transmittance)	62.8%	80%
Haze (ON) [3] 70VAC	2.2%*	
Color Grade	L*	78.67
	a*	0.51
	b*	8.64
Film Technical Properties		
Switching Time	10ms	
Operating Temperature	-20°C to +70°C (-68°F to +158°)	
Power Consumption	1-3W/m2	
Film Thickness [4]	370µ	
Maximum Width(mm) [5]	1500 (1800 coming soon)	
Cut-to-Fit	Custom Sizes, Shapes, Busbar Position; Holes and Notches	
Interlayer Compatibility	PVB, EVA, TPU	
Glass Types	Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other	
Patterning Available	Yes	
Storage Conditions	-20°C to +60°C (-68°F to +140°F), <50% Humidity	
Grade	Indoor	
Electrical Performance		
Controller Types	DUO Mini & Flex, Multiplex, Custom	
Operating Modes	Fade, ON/OFF, Dimming	
Operating Voltage	42-70VAC	
Operating Frequency	25,32,50Hz	

[1] Optical Performance measured using square wave signals provided by Gauzy PDLC Controllers

[2] Results reported at 78% Parallel Light Transmittance at 42VAC for low voltage applications

[3] Haze tested on 'haze-gard i', by BYK. Laminated with PVB. Haze may vary based on interlayer. Results reported for Indoor at 25°C; based on operation at 70VAC. 3.3% haze at 42VAC for low voltage applications

[4] Film thickness may vary

[5] Films can be ordered in rolls or cut-to-fit sheets at any length