

Gauzy

LCG[®]

PRODUCT CATALOG

ARCHITECTS,
INTERIOR DESIGNERS,
AND BUILT SPACES

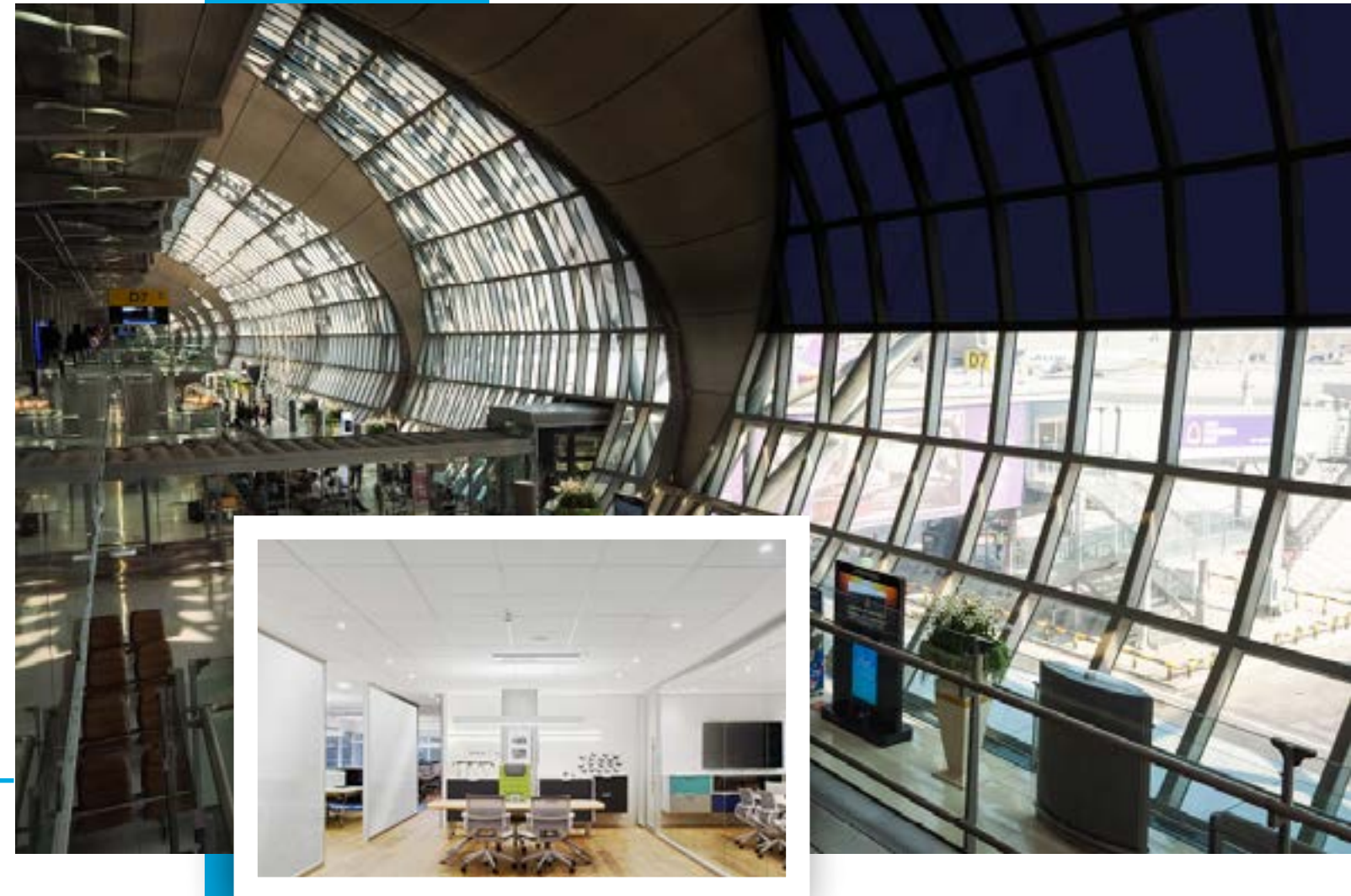


**MAKE GLASS
DO MORE**

FUTURE FACING DESIGN, DEFINED BY TRADITION

Contemporary architecture and interior design emphasizes minimalism, an abundance of natural light, well appropriated agile spaces and connection to the environment. Glass has become the material of choice to fulfill this modern design philosophy.

Combining both tradition and modernity, while meeting the evolving needs of builders, owners, and occupants, Gauzy's LCG® technologies create innovative solutions that set a new standard for high performance glazing in future facing facilities.



A NEW GLASS EXPERIENCE

Gauzy's PDLC and SPD based LCG® technologies, used to create Smart Glass, transform everyday glass into a multifunctional building material that redefines how people interact with light, glass, and their surroundings.

The Benefits of Choosing Gauzy LCG®:

- full transparency or instant opacity for privacy, shading, thermal control, and transparent displays
- optimize space and create agile open or hybrid floor plans
- enhance occupant wellbeing with access to natural light and views
- flexibility to control the use and ambiance of a space instantly
- easy to clean solution that replaces traditional window treatments and privacy curtains
- contribute to sustainable design with reduced dependence on artificial lighting and HVAC load

SOME CALL IT
SMART GLASS.
WE CALL IT

LCG®

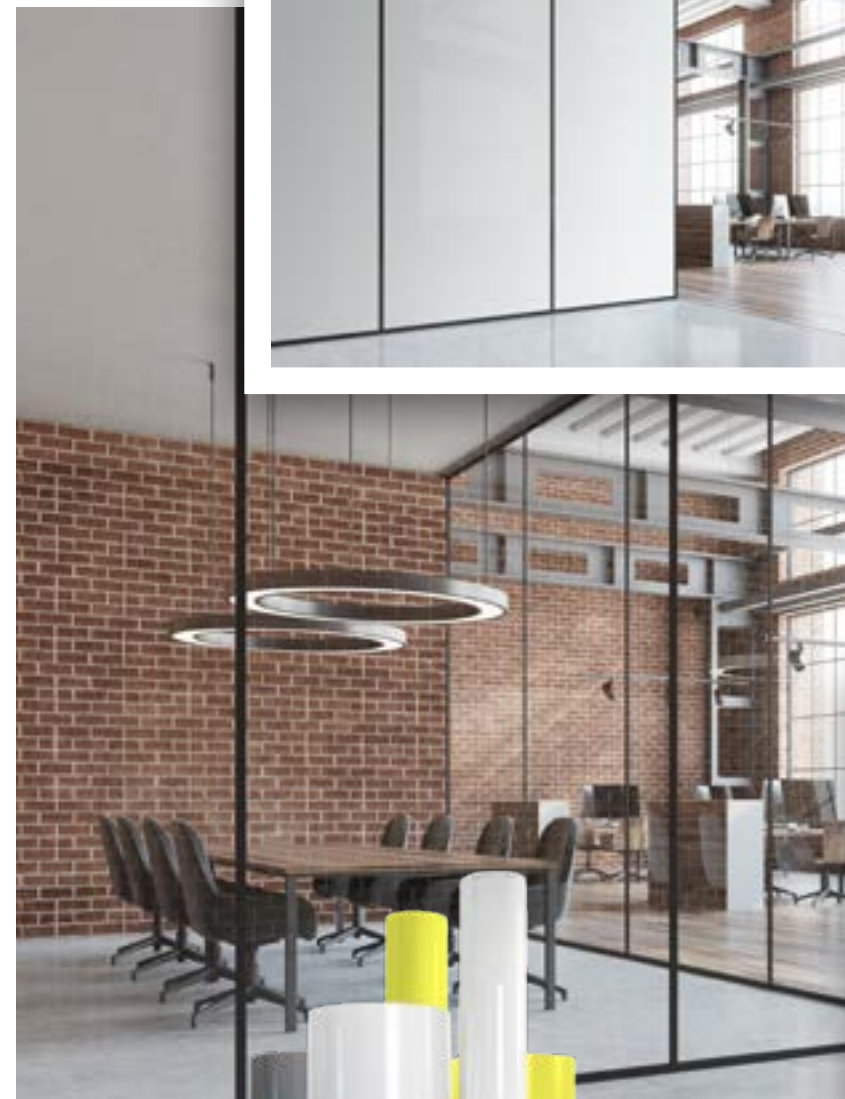
Gauzy's LCG® (light control glass) technologies include a variety of Polymer Dispersed Liquid Crystal (PDLC) or Suspended Particle Device (SPD) based films, which are laminated into, or retrofitted onto, glass by Gauzy's trusted partners worldwide.

TWO STANDOUT TECHNOLOGIES

Gauzy is the only material science company in the world to develop and manufacture two out of three active light control technologies: PDLC and SPD. Each product offers unique benefits and features to best support the evolving needs for shading and privacy for interior and exterior applications.

LCG® Smart Glass: laminated PDLC or SPD

LCG® Adhesive Smart Film: PDLC film applied to existing glass



Gauzy PDLC Technology

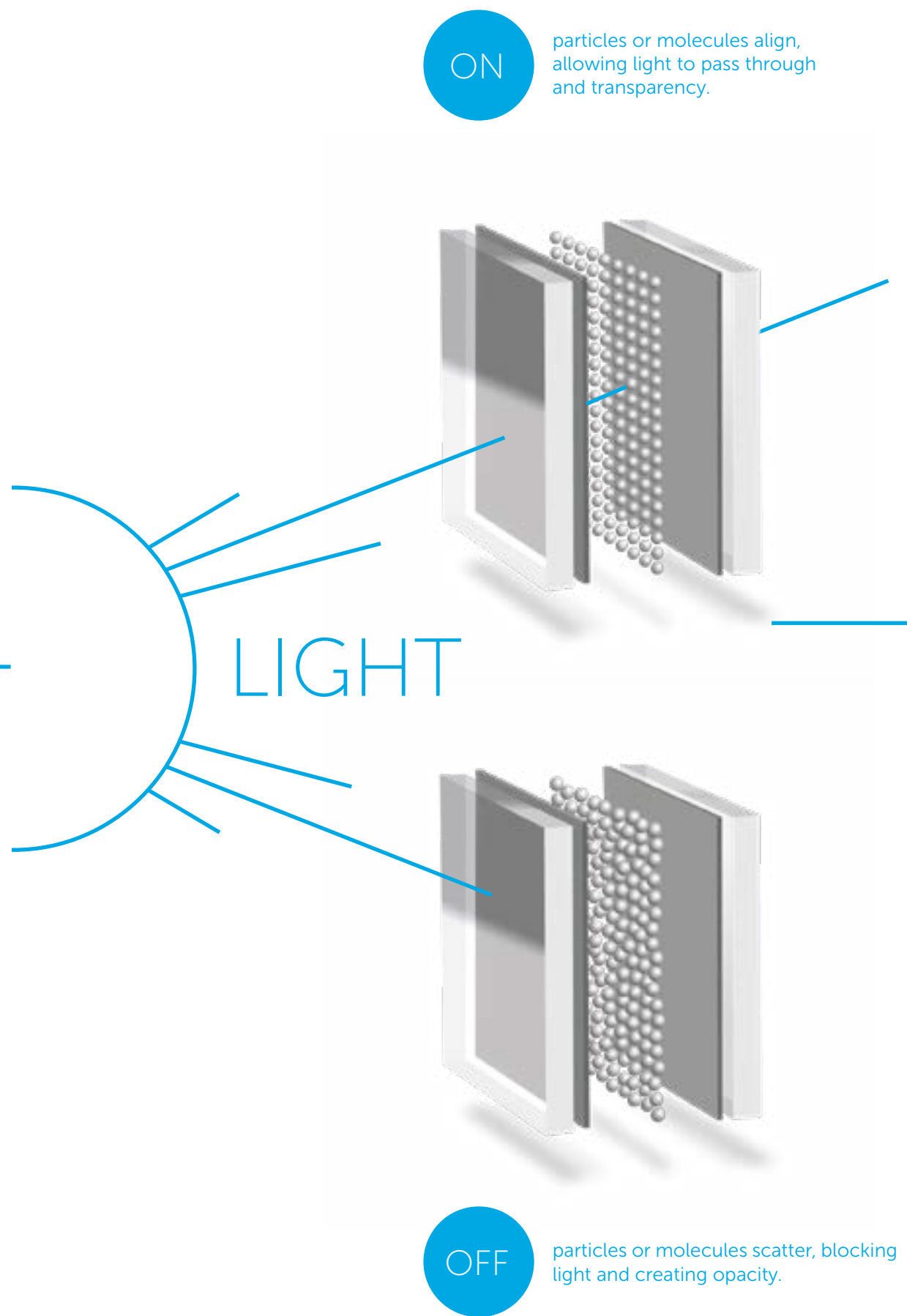
Indoor and outdoor grade Liquid Crystal smart glass and adhesive smart films support opaque to transparent switching for privacy, projection and IR reflection.

Gauzy SPD Technology

Gauzy SPD smart glass blocks up to 99% of visible light, allowing users to tint glass in seconds for dynamic shading without blocking views to the outside environment.

HOW IT WORKS

PDLC and SPD smart glass technologies change transparency and opacity with electrical supply to control various types of light. The unique particles or molecules inside our films scatter when off, blocking light and creating opacity. When on, particles or molecules align, allowing light to pass through and transparency.



LCG[®]

LIQUID CRYSTAL TECHNOLOGIES

Gauzy's liquid crystal based products allow glass to switch from opaque to controlled levels of transparent in milliseconds.

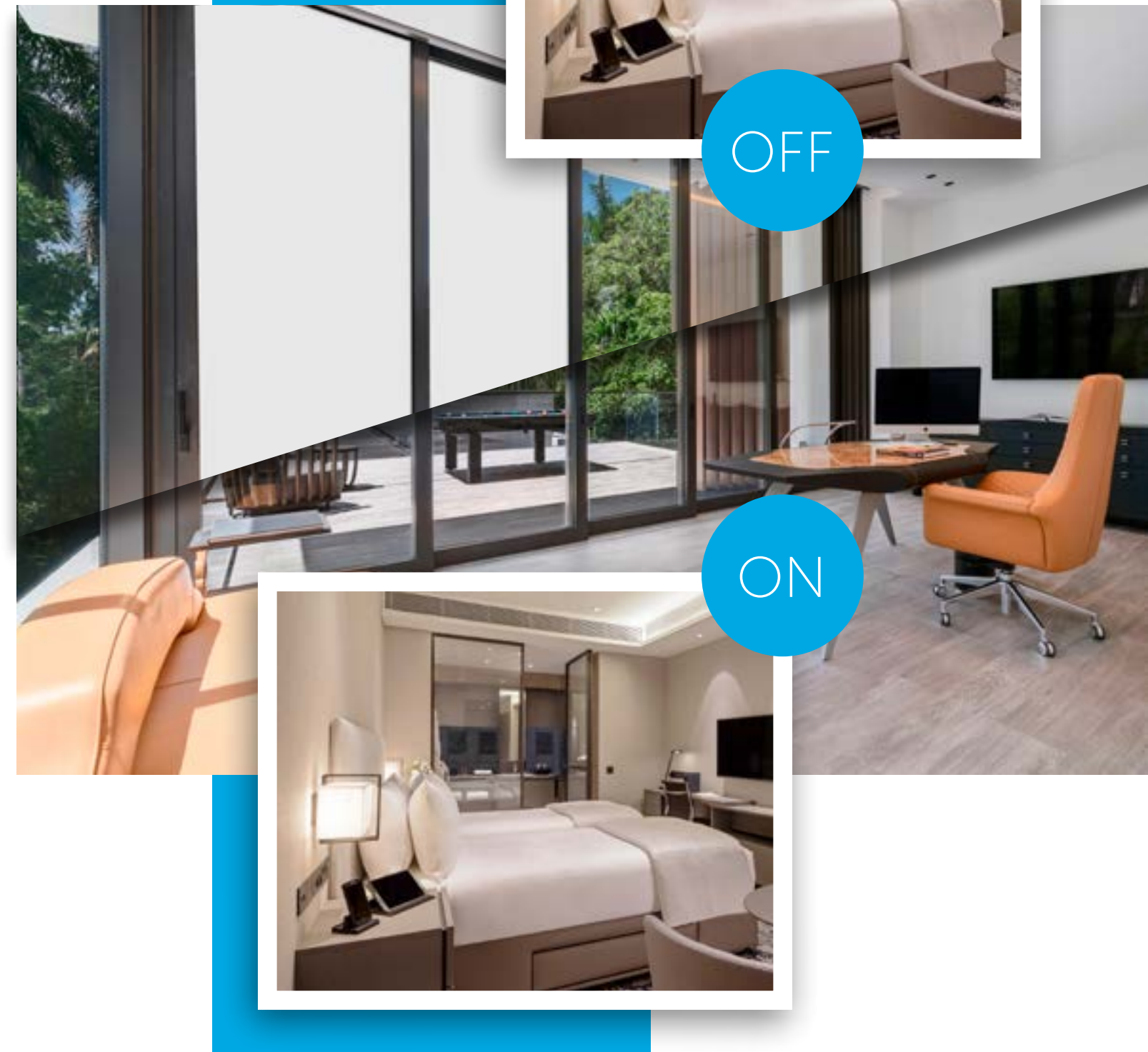
Controlling various types of light, paired with switchable features, liquid crystal LCG[®] supports:

- instant privacy or an open atmosphere
- solar IR reflection for temperature control
- displays that turn transparent when paired with projection

PDLC technologies are available as either laminated glass for new projects with certified fabricators or as adhesive smart films for existing glass with professional window film installers.

Gauzy offers four distinct PDLC product lines:

- **ExtraClear Performance (ECP-LCG[®])**
- **High Performance (HP-LCG[®])**
- **Solar Performance (SP-LCG[®])**
- **Extended Outdoor Performance (EOP-LCG[®])**



Designed for the discerning eye, Gauzy's ExtraClear Performance (ECP-LCG®) smart glass technologies offer unparalleled transparency and clarity. Featuring an increase in visible light transmission (VLT) and decrease in reflectivity, this advanced smart glass features ultra-high clarity with the same leading performance of Gauzy's High Performance product.

Key benefits include:

- Enhanced Clarity: with a VLT of 89.8% and a 10% reduction in reflectivity, ECP-LCG® has high clarity that minimizes distortion and glare to support an overall clearer appearance.
- Ideal for Various Environments: maintain pristine views in a variety of lighting conditions ensuring high clarity even in dim, bright, or fluctuating light.
- Versatile Viewing Angles: Ideal for excellent transparency in tight corridors or angular spaces.

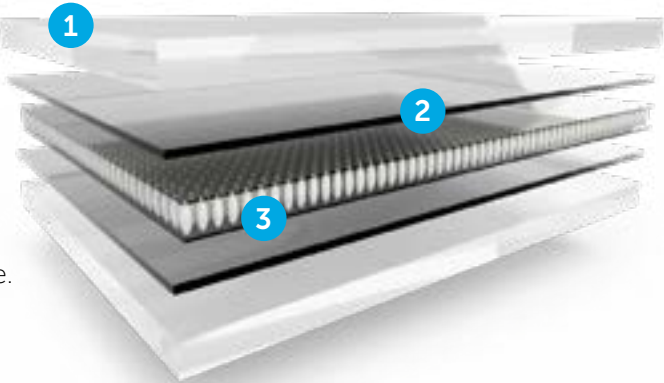
Perfect for projects requiring the highest aesthetic standards, Gauzy ExtraClear Performance transforms spaces with sophisticated transparency and light management.

Product Colors:

- White (Interior)

Add-On Features:

- Invisible Patterning



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

Specifications:

White ECP

Film Optical Performance ₁			
Attribute		OFF	ON
Parallel Light Transmittance		4.5%	85.9%
VLT (Total Transmittance)		75.4%	89.8%
Haze (ON) ₂		2.5%	
Color Grade	L*	86.7	
	a*	0	
	b*	6	
Film Technical Properties			
Switching Time		10ms	
Operating Temperature		-10°C to +60°C	
Power Consumption		1-3W/m2	
Film Thickness ₃		350μ	
Maximum Width(mm) ₄		1400	
Cut-to-Fit		Custom Sizes, Shapes, Busbar Position; Holes and Notches	
Glass Types		Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other	
Patterning Available		Yes	
Interlayer Compatibility		PVB, EVA, TPU	
Grade		Interior	
Electrical Performance			
Controller Types		DUO Mini, Mini DC & Flex, Multiplex, Custom	
Operating Modes		Fade, ON/OFF, Dimming	
Operating Voltage		42-70VAC	

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

² Haze tested on 'haze-gard i', by BYK. Laminated with PVB. Haze may vary based on interlayer.

³ Film thickness may vary

⁴ Films can be ordered in rolls or cut-to-fit sheets at any length

* Results reported for Indoor at 25°C



HP-LCG® Technology

PDLC Smart Glass

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.

- The lowest ever haze of just 2.5% with a standard operating voltage of 70VAC
- Industry accepted low haze of 3.2% 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.

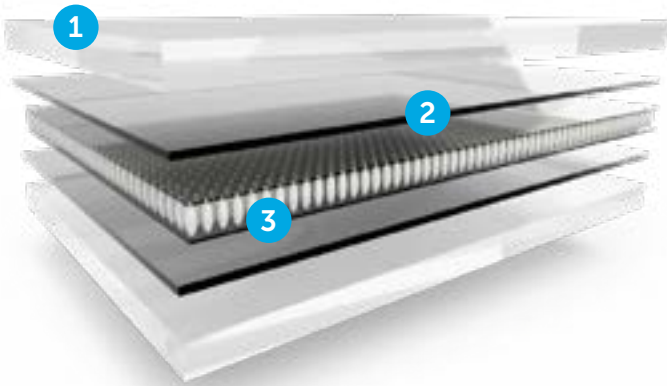
Compatible with our DUO controller line which supports low voltage configurations for sustainable projects and designs

Product Colors:

- White (Interior)
- Grey (Interior)

Add-On Features:

- Invisible Patterning



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

Specifications:

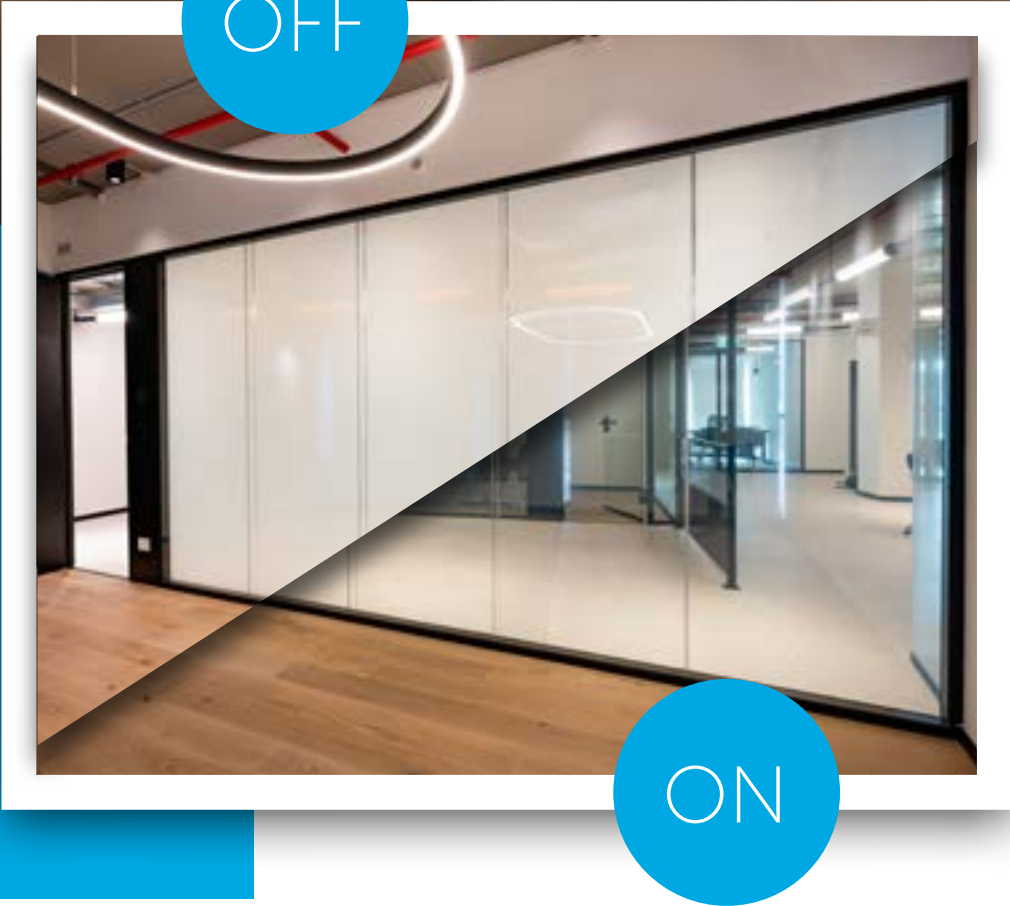
Specifications:		White HP		Grey HP	
Film Optical Performance ₁					
Attribute		OFF	ON	OFF	ON
Parallel Light Transmittance		2.5%	78%	3.5%	46%
VLT (Total Transmittance)		62.8%	80%	37%	49%
Haze (ON) ₂		2.5%		2.7%	
Color Grade	L*	85		64.04	
	a*	0.2		-1.74	
	b*	7		-3.27	
Film Technical Properties					
Switching Time		10ms			
Operating Temperature		-10°C to +60°C			
Power Consumption		1-3W/m2			
Film Thickness ₃		350μ		390μ	
Maximum Width(mm) ₄		1800		1500	
Cut-to-Fit		Custom Sizes, Shapes, Busbar Position; Holes and Notches			
Glass Types		Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other			
Patterning Available		Yes			
Interlayer Compatibility		PVB, EVA, TPU			
Grade		Interior			
Electrical Performance					
Controller Types		DUO Mini, Mini DC & Flex, Multiplex, Custom			
Operating Modes		Fade, ON/OFF, Dimming			
Operating Voltage		42-70VAC		70VAC	

¹ Optical Performance measured at 25°C, using square wave signals provided by Gauzy PDLC Controllers

² Haze tested on 'haze-gard i', by BYK. Haze may vary based on interlayer.

³ Film thickness may vary

⁴ Films can be ordered in rolls or cut-to-fit sheets



EOP-LCG® Technology

Extended Outdoor Performance LCG® (EOP-LCG®) is an outdoor grade product suitable for exterior use maintaining switching in temperatures of -15°C to +80°C.

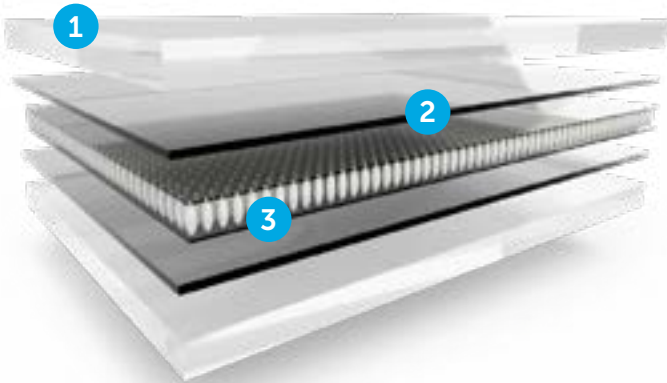
This product is ideal for operating in extreme conditions, maintaining durability when exposed to high humidity, UV, IR and a wide range of temperatures. This should be chosen when solar performance is not a requirement.

EOP-LCG® opens new possibilities for previously constrained PDLC uses. In addition to operating in a wide range of fluctuating temperatures typical for outdoor conditions, this can also be used in indoor applications such as saunas and consumer appliances.

- Product Colors:

 - White (Exterior)
 - Grey (Exterior)
- Add-On Features:

 - Invisible Patterning



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

Specifications:

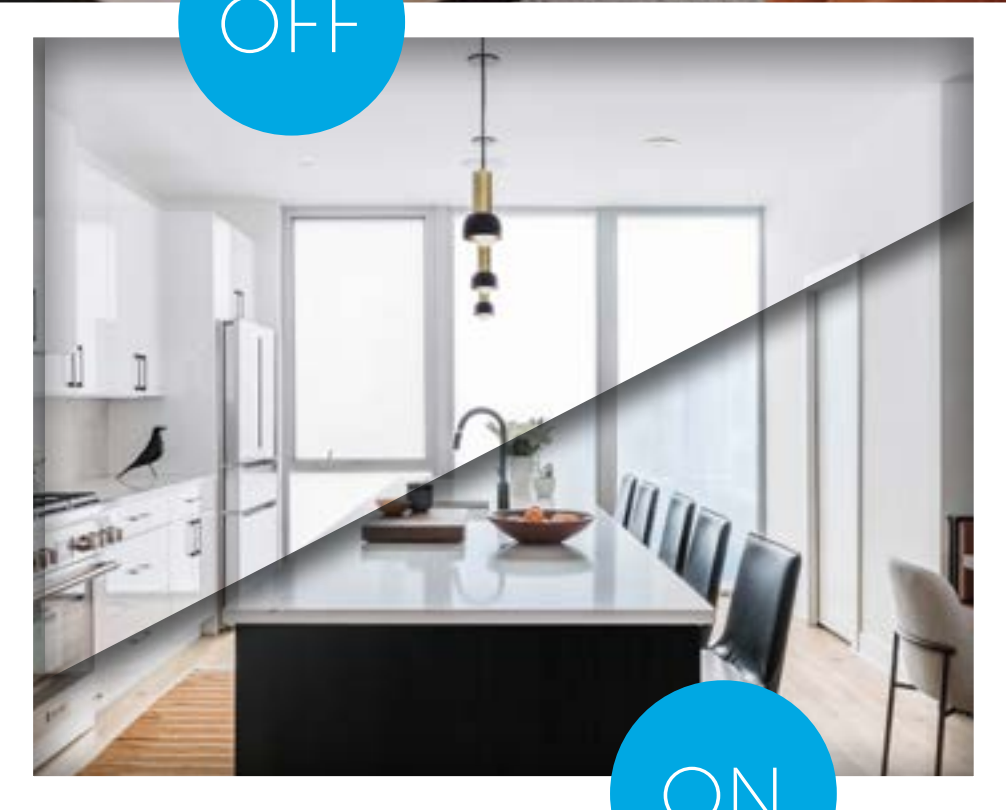
Specifications:		White EOP		Grey EOP	
Film Optical Performance 1					
Attribute		OFF	ON	OFF	ON
Parallel Light Transmittance		2.5%	78%	2.2%	45%
VLT (Total Transmittance)		62.8%	80%	40%	47%
Haze (ON) 2		2.5%		3.5%	
Color Grade	L*	85		75.86	
	a*	0.2		-1.01	
	b*	7		8.77	
Film Technical Properties					
Switching Time		10ms			
Operating Temperature		-15°C to +80°C			
Power Consumption		1-3W/m2			
Film Thickness 3		350μ		395μ	
Maximum Width(mm) 4		1800		1500	
Cut-to-Fit		Custom Sizes, Shapes, Busbar Position; Holes and Notches			
Glass Types		Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other			
Patterning Available		Yes			
Interlayer Compatibility		PVB, EVA, TPU			
Grade		Exterior			
Electrical Performance					
Controller Types		DUO Mini, Mini DC & Flex, Multiplex, Custom			
Operating Modes		Fade, ON/OFF, Dimming			
Operating Voltage		42-70VAC		70VAC	

1 Optical Performance measured at 25°C, using square wave signals provided by Gauzy PDLC Controllers

2 Haze tested on 'haze-gard i', by BYK. Haze may vary based on interlayer.

3 Film thickness may vary

4 Films can be ordered in rolls or cut-to-fit sheets



SP-LCG® Technology

Patented Solar Performance (SP-LCG®) blocks IR, UV, and Visible Light supporting temperature and glare control for cooler and more comfortable spaces. Ideal for projects focusing on sustainable performance, Solar Control PDLC smart glass increases energy efficiency while providing a higher degree of occupant thermal and visual comfort combined with the benefit of instant switching between opaque and transparent.

Key Features:

- Blocks up to 78% of Solar IR range and 99.9% of UV
- Reduces temperature by up to 15°C (59°F) inside a space
- 60% visible light transmission when off maintains a light filled atmosphere while shading and reducing glare
- Premium optical performance with haze as low as 3.3%
- Outdoor grade, supporting architectural glass up to 1.5m wide

Optimized to perform in wide temperature ranges and exterior applications like facades and skylights, this product is compatible with various glass types, coatings, lamination stacks, and IGU systems, replacing traditional high maintenance shading and privacy solutions that compromise glass centric designs.

Specifications:

Film Optical Performance ₁			
Attribute		OFF	ON
Parallel Light Transmittance		3.2%	73%
VLT (Total Transmittance)		60%	75%
Haze (ON) ₂	25°C	3.3%	
	80°C	3.9%	
Color Grade	L*	75.86	
	a*	-1.01	
	b*	8.77	
Film Technical Properties			
Switching Time		10ms	
Film Operating Temperature		-15°C to +80°C	
Film Power Consumption		1-3W/m ²	
Film Thickness ₃		335µ	
Maximum Width (mm) ₄		1500	
Cut-to-Fit		Custom Sizes, Shapes, Busbar Position; Holes and Notches	
Glass Types		Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other	
Patterning Available		Yes	
Grade		Exterior	
Film Solar Performance ₅			
Attribute		Off	On
Visible Light Reflection - Interior		8%	9%
Visible Light Reflection - Exterior		13%	13%
UV Block		99.6%	99.6%
Total Solar Energy Reflection		38%	38%
Total Solar Energy Transmittance		14%	17%
Total Solar Energy Absorption		48%	45%
Shading Coefficient		0.28	0.28
G- Value		0.24	0.24
U- Value W/K*m ²		1.36	1.36
ΔT(°C) ₆		Up to 15°C	
Energy Saving		For every degree reduced, Gauzy saves approx. 7% on air conditioning costs	
Electrical Performance			
Operative Controllers		DUO Mini, Mini DC & Flex, Multiplex, Custom	
Operating Modes		Fade, ON/OFF, Dimming, 0-10 VDC	
Operating Voltage		70VAC	

₁ Optical Performance measured with extra clear glass, using square wave signals provided by Gauzy PDLC Controllers

₂ Haze tested on 'haze-gard i', by BYK. Haze performance may vary if laminated with other types of interlayers

₃ Film thickness may vary

₄ Films can be ordered in rolls or cut-to-fit sheets at any length

₅ Results based on IR Solar Control Film laminated and implemented in the following stack: SN51 on 8mm Low Iron (pan #2)/16mm Argon/8mm Low Iron + SP-PDLC + 8mm Low Iron, final properties are based on lamination stack specification

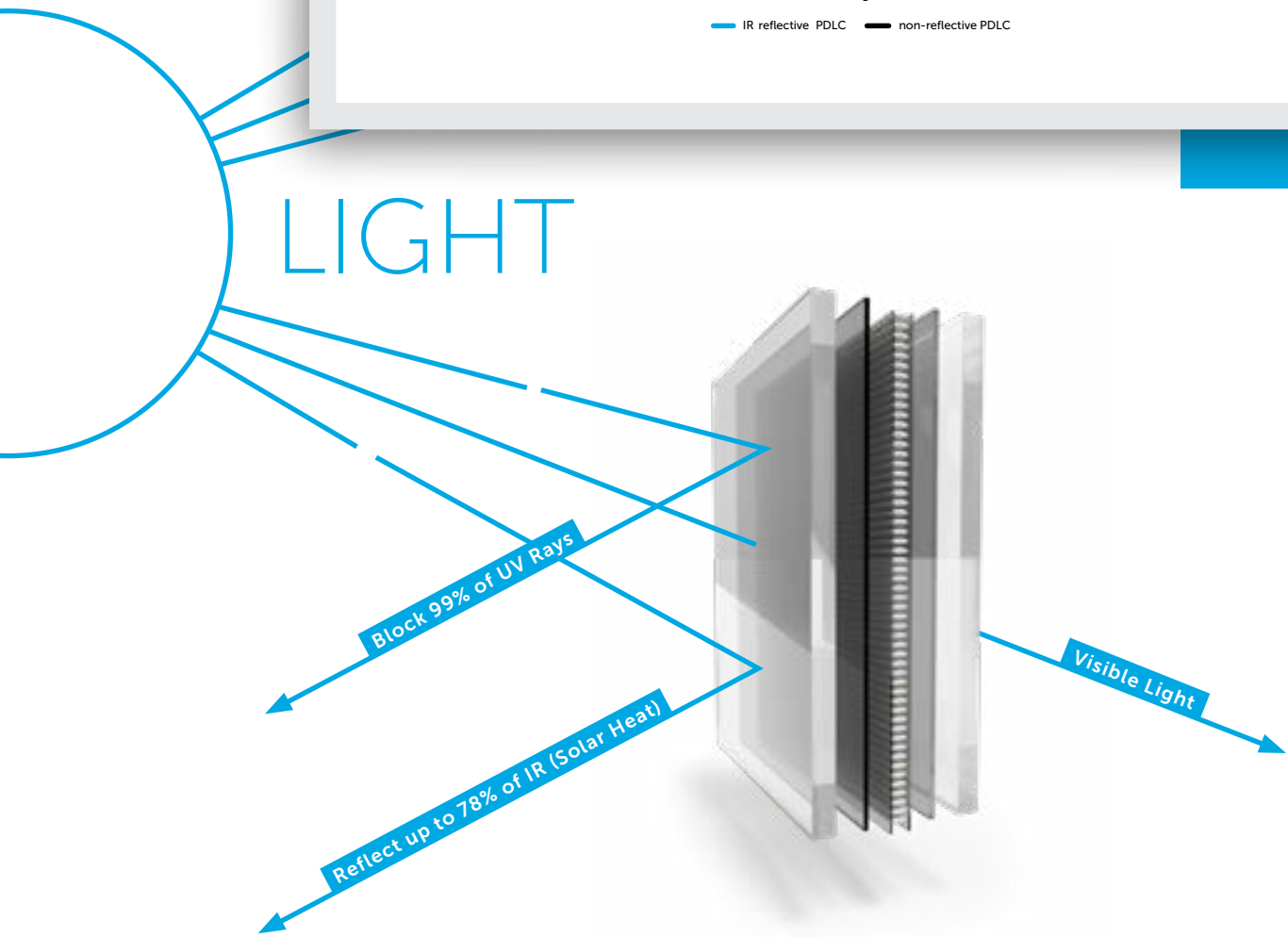
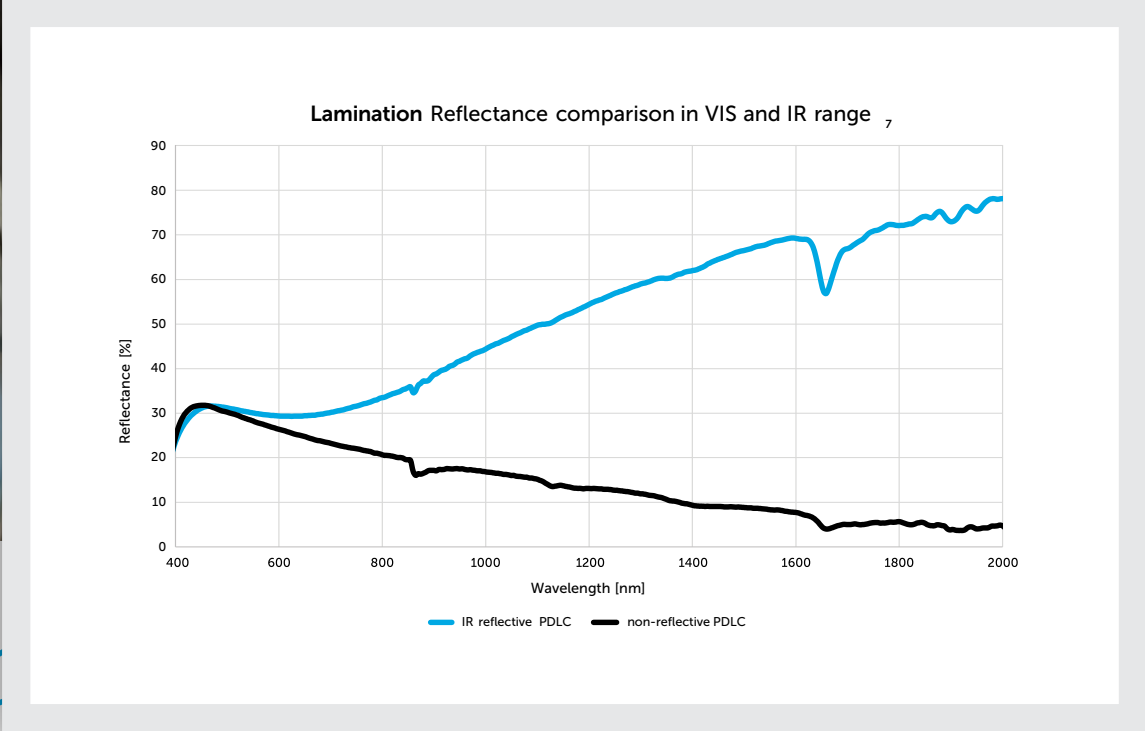
* VLT is lower for the IGU as compared to lamination. In On/Off state the light transmittance is 38% and 31% respectively

* Optical measurements are carried out at different temperatures from low to high to accomodate cooling times of PDLC and glass

₆ Gauzy SP-LCG® reflects up to 78% of thermal IR, which reduces temperatures inside a space by up to 15°C. Solar IR = 2000nm. This is the point where thermal IR is generally benchmarked

* Above 800 nm, IR PDLC films reflectance range increases and achieves ~78%, at 2000 nm, while the regular PDLC films present ~5%

**Unless otherwise specified, measurements were conducted at 25°C



AECP-LCG® Technology

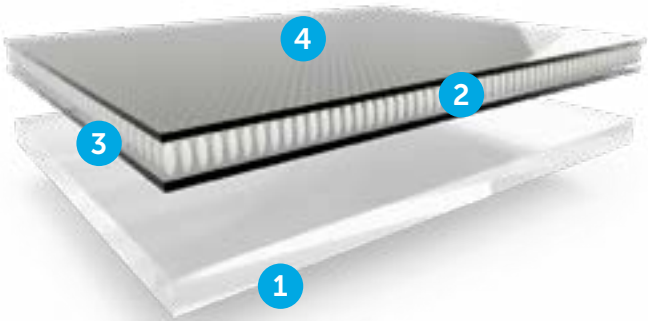
Designed for an instant transformation, Gauzy's Adhesive ExtraClear Performance (AECP-LCG®) smart film creates unparalleled transparency and clarity. Featuring an increase in visible light transmission (VLT) and decrease in reflectivity, this advanced smart glass features ultra-high clarity with the same leading performance of Gauzy's Adhesive High Performance product.

Key benefits include:

- Enhanced Clarity: with a VLT of 86.6% and a 10% reduction in reflectivity, ECP-LCG® has high clarity that minimizes distortion and glare to support a clearer appearance.
- Ideal for Various Environments: maintain pristine views in a variety of lighting conditions ensuring high clarity even in dim, bright, or fluctuating light.
- Versatile Viewing Angles: Ideal for excellent transparency in tight corridors or angular spaces.

Perfect for projects with new or existing glass requiring the highest aesthetic standards, Gauzy ExtraClear Performance transforms spaces with

sophisticated transparency and light management.



1. Glass
2. LC Film with PET-ITO
3. Dry Adhesive
4. Scratch Resistant Coating

Product Colors:

- White (Interior)

Add-On Features:

- Invisible Patterning

Specifications:

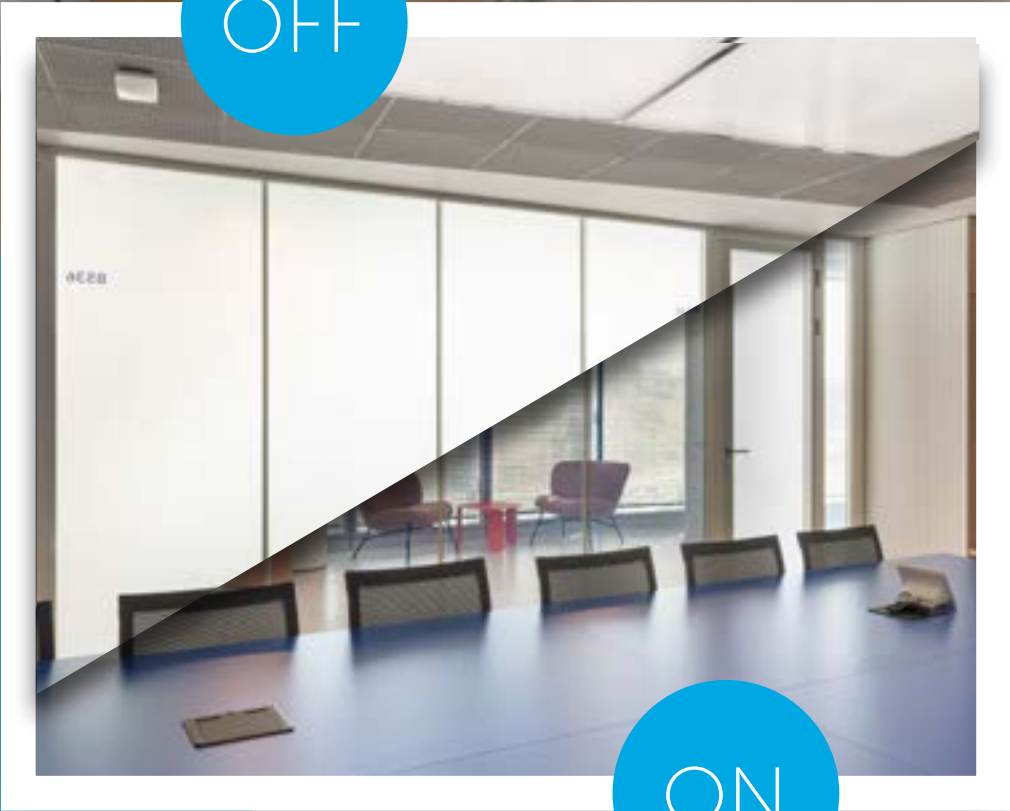
Film Optical Performance ₁		
Attribute	OFF	ON
Parallel Light Transmittance	4.6%	84%
VLT (Total Transmittance)	66.7%	86.6%
Haze (ON) ₂	2.8%	
Color Grade	L*	82.7
	a*	-0.2
	b*	8.1
Film Technical Properties		
Switching Time	10ms	
Operating Temperature	-10°C to +60°C	
Power Consumption	1-3W/m2	
Film Thickness ₃	552μ	
Maximum Width(mm) ₄	1400	
Cut-to-Fit	Custom Sizes, Shapes, Busbar Position; Holes and Notches	
Glass Types	Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other	
Patterning Available	Yes	
Scratchproof Coating	Yes	
Grade	Interior	
Electrical Performance		
Controller Types	DUO Mini, Mini DC & Flex, Multiplex, Custom	
Operating Modes	Fade, ON/OFF, Dimming	
Operating Voltage	42-70VAC	

¹ Optical Performance measured at 25°C, using square wave signals provided by Gauzy PDLC Controllers

² Haze tested on 'haze-gard i', by BYK.

³ Film thickness may vary

⁴ Films can be ordered in rolls or cut-to-fit sheets



A-LCG® Technology

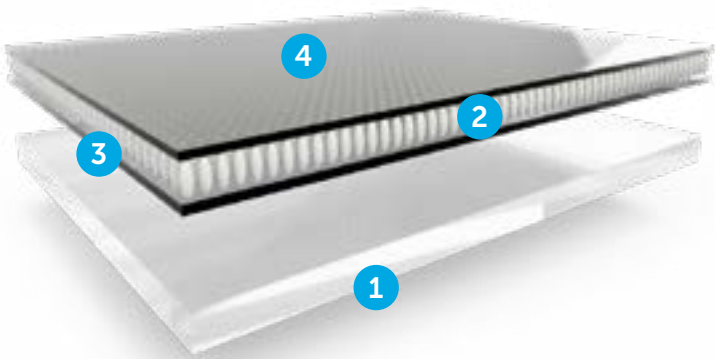
Gauzy's Adhesive LCG® (A-LCG®) smart films are applied to existing glass, allowing any glass to instantly be converted into smart glass. Handled exclusively by professional window film installers, these films are designed to be easily retrofitted into existing spaces.

Working just like laminated LCG®, adhesive smart films support on-demand transparency or privacy, projection, and IR solar control. By retrofitting a project with Gauzy PDLC, the function of glass is extended from the moment installation is complete, for a spatial transformation.

Adhesive smart films have a scratch resistant coating for durability and usability. Films can be installed onto almost any existing window, partition, or door. Films are precisely installed to ensure all wires and busbars are hidden with frames or other trimming solutions, creating a uniform and finished appearance.

Product Colors:

- White (Interior)
- Grey (Interior)



- 1. Glass
- 2. LC Film with PET-ITO
- 3. Dry Adhesive
- 4. Scratch Resistant Coating

Specifications:

Specifications:		White A		Grey A	
Film Optical Performance ₁					
Attribute		OFF	ON	OFF	ON
Parallel Light Transmittance		5%	77.3%	3%	47.7%
VLT (Total Transmittance)		62.8%	79.5%	35%	48.8%
Haze (ON 25°C) ₂		2.8%		3.2%	
Color Grade	L*	83		56	
	a*	0.5		0.2	
	b*	8.6		7.9	
Film Technical Properties					
Switching Time		10ms			
Operating Temperature		-10°C to +60°C			
Power Consumption		1-3W/m2			
Film Thickness ₃		515μ		540μ	
Maximum Width(mm) ₄		1500		1500	
Cut-to-Fit		Custom Sizes, Shapes, Busbar Position; Holes and Notches			
Glass Types		Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other			
Adhesive Type		Dry			
Scratchproof Coating		Yes			
Grade		Interior			
Electrical Performance					
Controller Types		DUO Mini, Mini DC & Flex, Multiplex, Custom			
Operating Modes		Fade, ON/OFF, Dimming			
Operating Voltage		42-70VAC			

¹ Optical Performance measured at 25°C, using square wave signals provided by Gauzy PDLC Controllers

² Haze tested on 'haze-gard i', by BYK.

³ Film thickness may vary

⁴ Films can be ordered in rolls or cut-to-fit sheets



ASP-LCG® Technology

Gauzy's Adhesive Solar Performance (ASP - LCG®) is ideal for improved thermal and visual comfort while reducing HVAC cooling costs and direct glare that disrupts occupant wellbeing. Blocking IR, UV, and Visible Light combined with on-demand privacy and transparency, Solar PDLC Smart Film offers a technologically advanced and sustainable projects. Solar Control PDLC smart film is an easy to install upgrade, increasing energy efficiency while providing a technologically advanced, sleek shading solution to reduce eye strain while still maintaining a light filled open atmosphere.

Key Features:

- Blocks up to 55% of Solar IR range and 99.9% of UV
- Reduces temperature by up to 15°C inside a space
- ~61% visible light transmission when off maintains a light filled atmosphere while shading and reducing glare
- Premium optical performance with haze as low as 3.2%
- Outdoor grade, supporting architectural glass up to 1.5m wide

Adhesive smart film with solar control properties is designed to be applied directly onto existing glass windows by trained window film installers. The product is optimized to perform in wide temperature ranges and is most commonly specified for facades, skylights and atriums.

Specifications:

Specifications:		White ASP	
Film Optical Performance ₁			
Attribute		OFF	ON
Parallel Light Transmittance		4.8%	73.7%
VLT (Total Transmittance)		61.7%	77.8%
Haze (ON 25°C) ₂		3.2%	
Color Grade	L*	82.2	
	a*	-1.6	
	b*	8.93	
Film Technical Properties			
Switching Time		10ms	
Film Operating Temperature		-15°C to +80°C	
Film Power Consumption		1-3W/m ²	
Film Thickness ₃		490 μ	
Maximum Width (mm) ₄		1500	
Cut-to-Fit		Custom Sizes, Shapes, Busbar Position; Holes and Notches	
Glass Types		Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other	
Adhesive Type		Dry	
Scratchproof Coating		Yes	
Grade		Exterior	
Film Solar Performance ₅			
Attribute		Off	On
Visible Light Reflection - Interior		24.2%	16.2%
Visible Light Reflection - Exterior		21.61%	12.2%
UV Block		99%	99%
Shading Coefficient		0.54	0.68
G- Value		0.47	0.6
U- Value W/K*m ²		5.95	5.95
ΔT(°C) ₆		Up to 15°C	
Energy Saving		For every degree reduced, Gauzy saves approx. 7% on air conditioning costs	
Electrical Performance			
Operative Controllers		DUO Mini, Mini DC & Flex, Multiplex, Custom	
Operating Modes		Fade, ON/OFF, Dimming	
Operating Voltage		42-70VAC	

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

² Haze tested on 'haze-gard i', by BYK.

³ Film thickness may vary

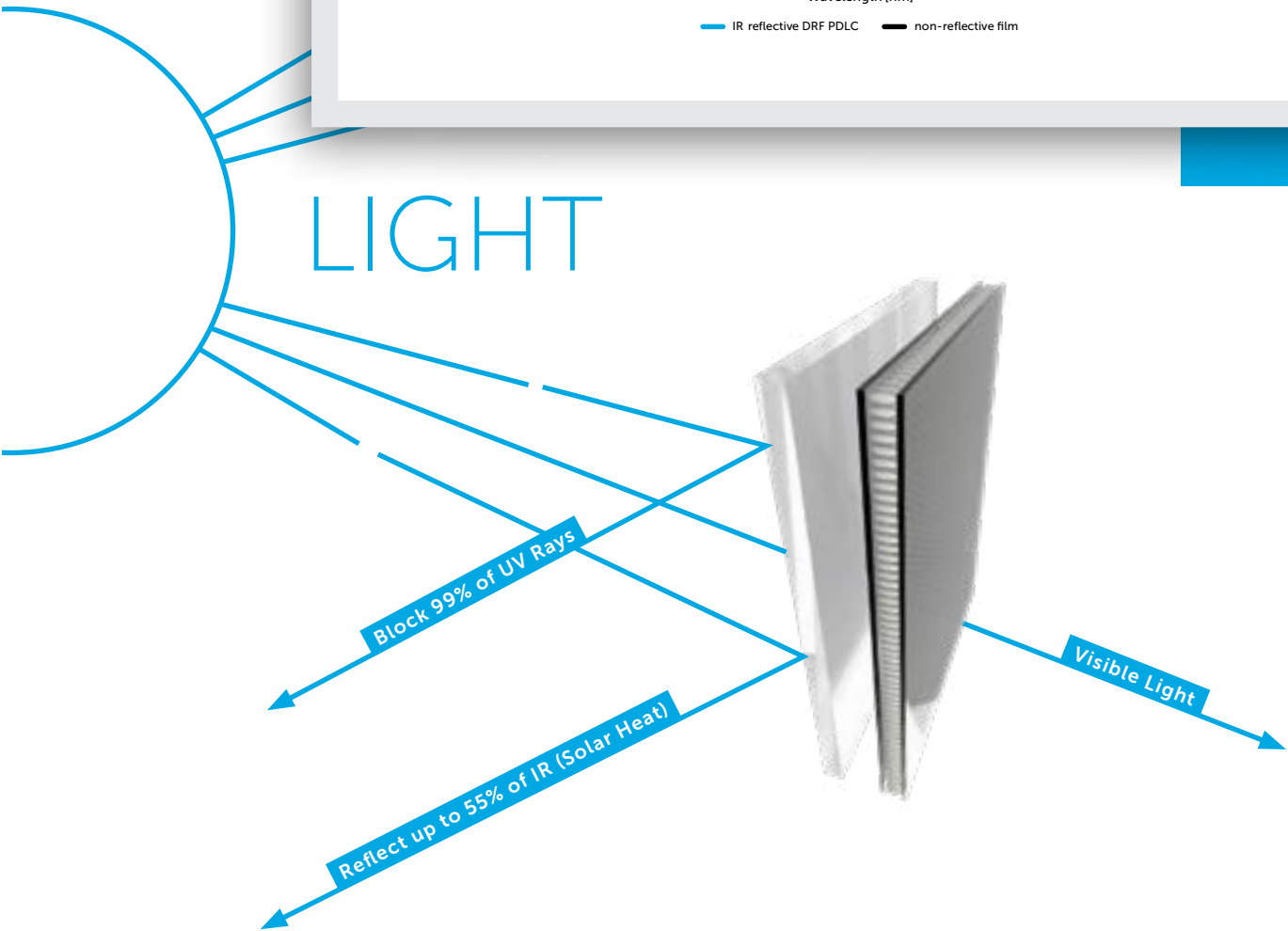
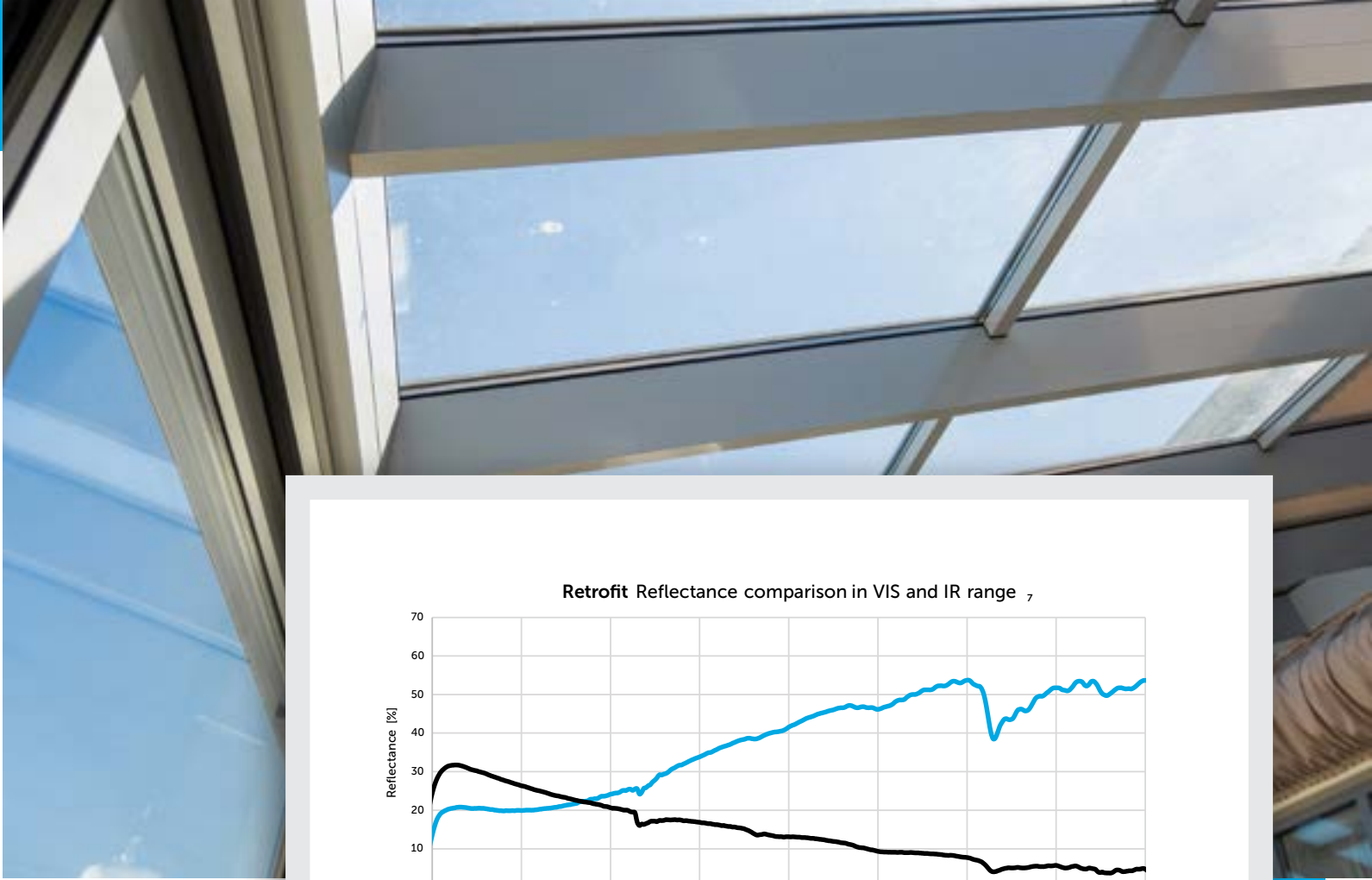
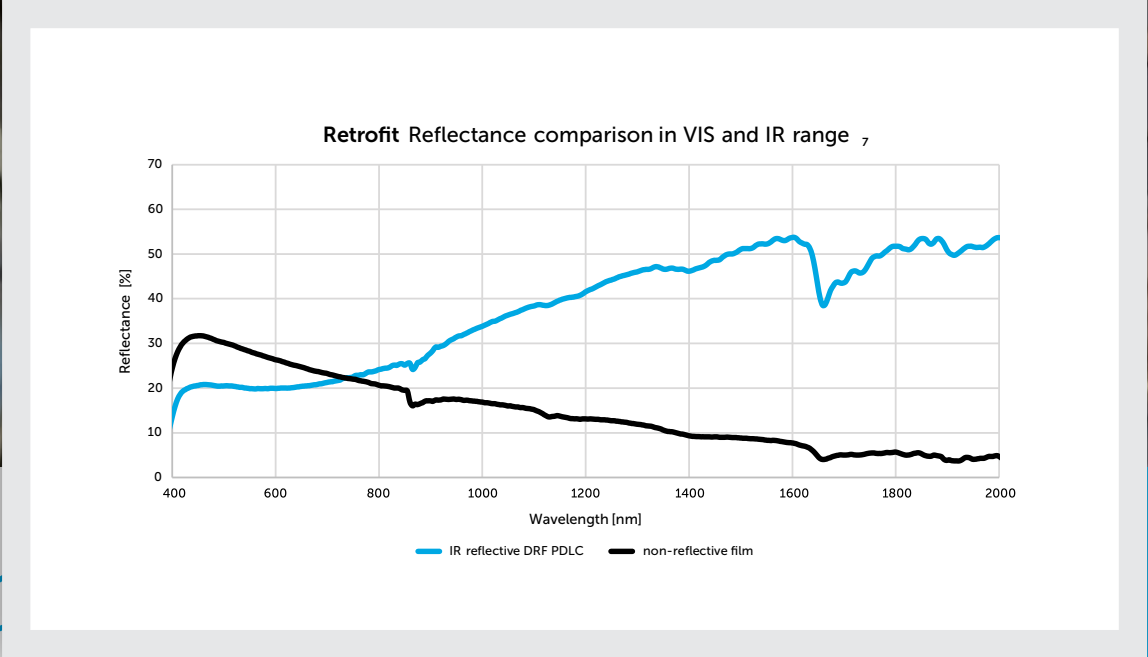
⁴ Films can be ordered in rolls or cut-to-fit sheets at any length

⁵ Results based on Gauzy's Solar Film retrofit on clear glass

* Optical measurements are carried out at different temperatures from low to high to accommodate cooling times of PDLC and glass

⁶ Gauzy Solar LCG® reflects up to 55% of thermal IR, which reduces temperatures inside a space by up to 15°C. Solar IR = 2000nm. This is the point where thermal IR is generally benchmarked

⁷ Above 800 nm, IR PDLC films reflectance range increases and achieves ~55%, at 2000 nm, while the regular PDLC films present ~5%



AEOP-LCG® Technology

Gauzy's Adhesive Extended Outdoor Performance (AEOP - LCG®) film is designed for exterior applications, maintaining durability when exposed to high humidity, UV, IR and a wide range of temperatures. This should be chosen when solar reflection is not a requirement.

Cut-to-fit for custom shapes & sizes, AEOP - LCG® is easily added onto existing windows, partitions and doors and has a scratch resistant coating for usability.

Ideal for existing glass, this product instantly transforms standard glass into smart glass with an on-demand privacy solution that utilizes natural light for bright and comfortable spaces.

Product Colors

- Grey (Exterior)
- White (Exterior)

Specifications:

Specifications:		White AEOP		Grey AEOP	
Film Optical Performance ₁					
Attribute		OFF	ON	OFF	ON ₁
Parallel Light Transmittance		3%	79%	1%	53%
VLT (Total Transmittance)		66%	82%	34%	52%
Haze (ON) ₂		3%		3%	
Color Grade	L*	80		61.5	
	a*	0.2		0.5	
	b*	7.5		6	
Film Technical Properties					
Switching Time		10ms			
Operating Temperature		-15°C to +80°C			
Power Consumption		1-3W/m2			
Film Thickness ₃		538μ		552μ	
Maximum Width(mm) ₄		1500		1500	
Cut-to-Fit		Custom Sizes, Shapes, Busbar Position; Holes and Notches			
Glass Types		Annealed, Tempered, Clear, Low Iron/Ultra Clear, IG Units, Other			
Patterning Available		Yes			
Grade		Exterior			
Electrical Performance					
Controller Types		DUO Mini, Mini DC & Flex, Multiplex, Custom			
Operating Modes		ON/OFF, Dimming			
Operating Voltage		42-70VAC		70VAC	

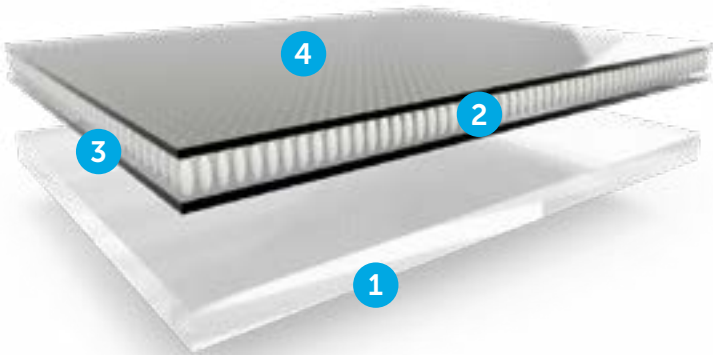
¹ Optical Performance measured on retrofitted film on clear glass at 25°C using square wave signals provided by Gauzy PDLC Controllers, at 70 VAC

² Haze tested on 'haze-gard i', by BYK.

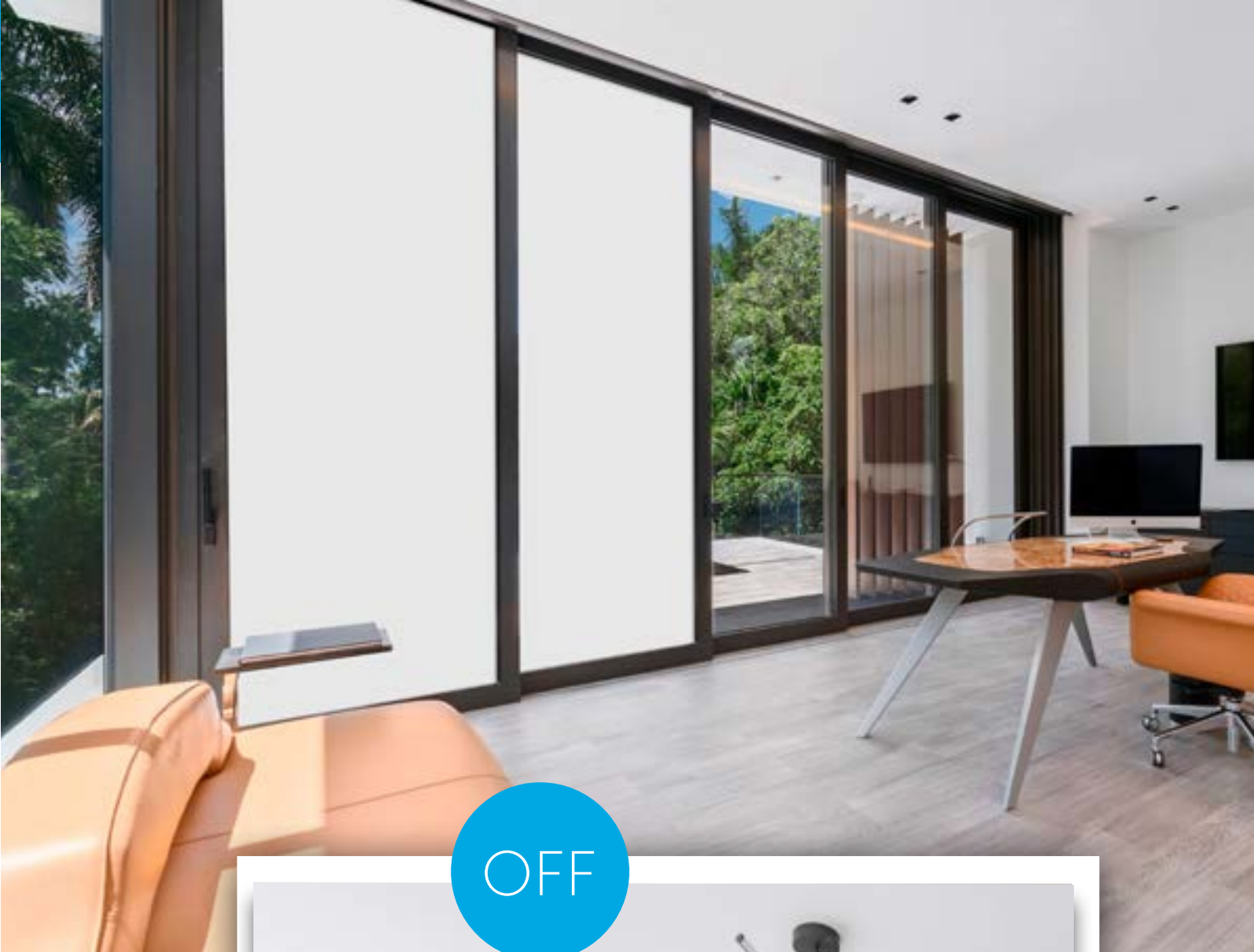
³ Film thickness may vary

⁴ Films can be ordered in rolls or cut-to-fit sheets

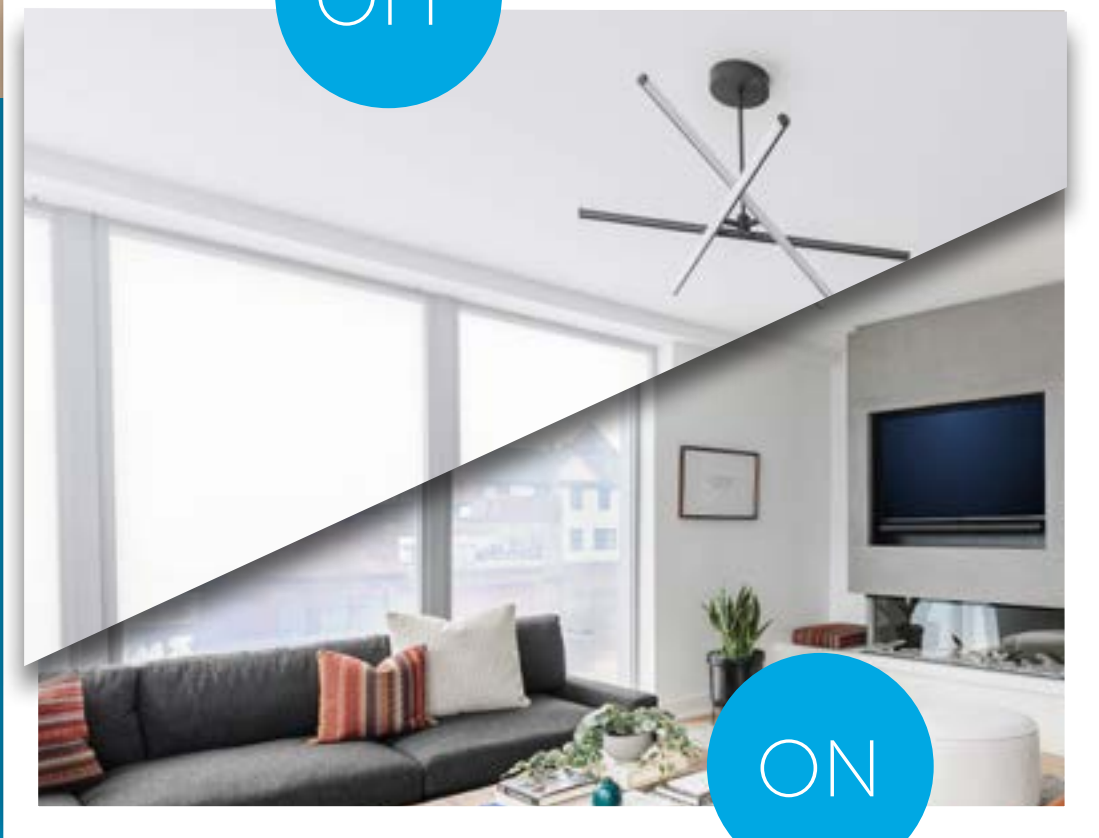
PDLC Adhesive Smart Film



1. Glass
2. LC Film with PET-ITO
3. Dry Adhesive
4. Scratch Resistant Coating



OFF



ON

LCG® PDLC Controllers

Patented controllers by Gauzy provide the highest quality optical, mechanical, and electrical performance of LCG® laminated smart glass and adhesive smart films.

As the only smart glass controller in the market, Gauzy's hardware employs square wave signals, allowing films to stay on 24 hours a day with no burn in and ensure ultra high transparency. Gauzy's controllers protect smart glass against power surges and extend the lifetime of smart glass and film.

Gauzy's Mini, Mini DC, FLEX, and MultiPlex controllers each offer a unique set of features best suited for varying glass sizes, input channels, and user preferences.

The DUO is available for Mini, Mini DC and Flex controllers, supporting low voltage operation for sustainable performance in eco-friendly projects and is most commonly paired with the HP-LCG® product line.

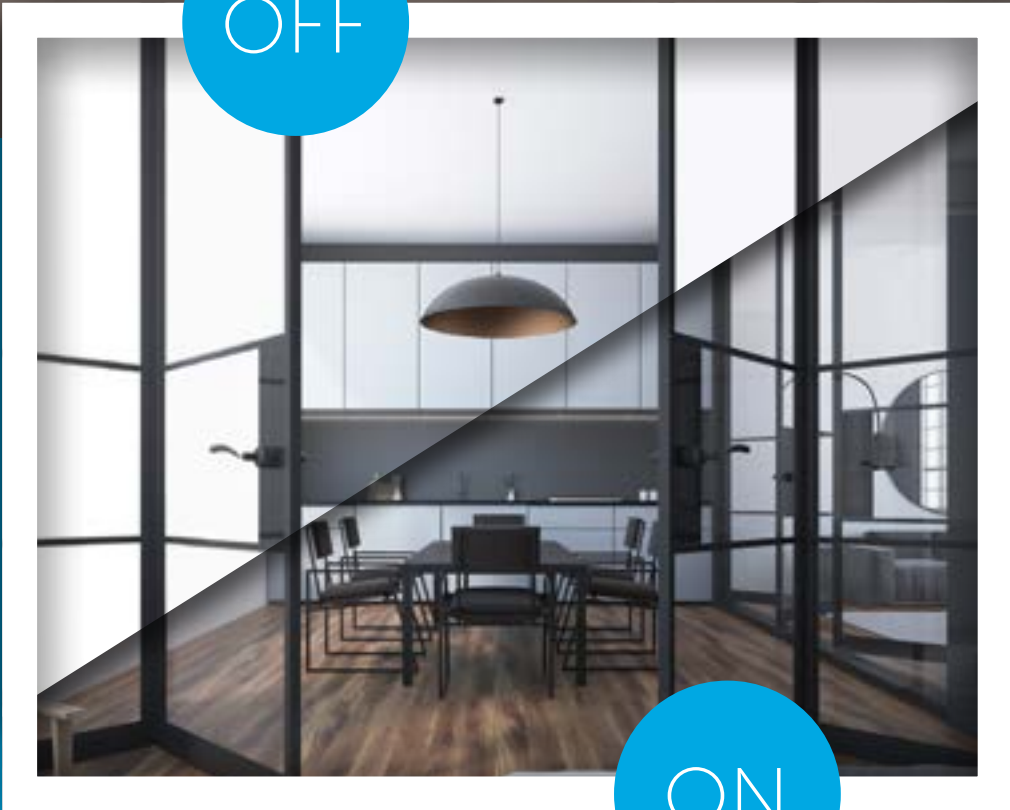
Features:

- On, Off, Dimming, Fade transitions
- Low voltage compatible
- Small form factor and footprint for easy installation
- Large drive capacity
- Advanced protection features for better ROI and reduced MTBF
- Ultra-low frequency reduces up to 40% of power consumption
- WIFI/DMX/RS-485 compatible for easy connection to automation systems



Specifications:

	Mini DUO	Mini DC DUO	Flex DUO	MultiPlex
Electrical Performance				
Universal Inupt	100/240VAC, 50/60Hz, 450mA	12-48VDC 3000mA	100/240VAC, 50/60Hz, 1360mA	100/240VAC, 50/60Hz, 1360mA
Output Voltage	42,70VAC Square wave, 50/60Hz, 600mA	42,70VAC Square wave, 50/60Hz, 710mA	42,70VAC Square wave, 25/30-32-50/60Hz, 1970mA	48,70VAC Square wave, 25/30-32-50/60Hz, 1970mA
Supported LCG® Area (up to)	4m² / 43ft²	5m² / 53ft²	10m² / 107ft²	10m² / 107ft²
Dimensions (LxWxH) (mm)	125x75x35	104x93x38 (closed) 98x65x30 (open)	165x104x35	224x104x35
Weight (controller only)	0.44kg	0.3kg (closed), 0.08 (open)	0.71kg	0.94kg
Wall Mounting	Built-in	Built-in	Mounting Brackets	Mounting Brackets
Output Channel	1	1	1	1 to 32
Operating Configurations	On/Off, Fade	On/Off, Dimmer	On/Off, Dimmer, Open Interface	Blinds, Open Interface
Interfaces	High Voltage, Dry Contact	Low Voltage	High Voltage, Dry Contact DMX, COM, 0-10VDC	High Voltage, Dry Contact DMX, COM



LCG[®]

SPD TECHNOLOGY

Gauzy's SPD (suspended particle device) based products allow glass to dim and tint from opaque to transparent for user controlled shading and glare mitigation.

By blocking up to 99% of visible light on demand, SPD-LCG[®] supports:

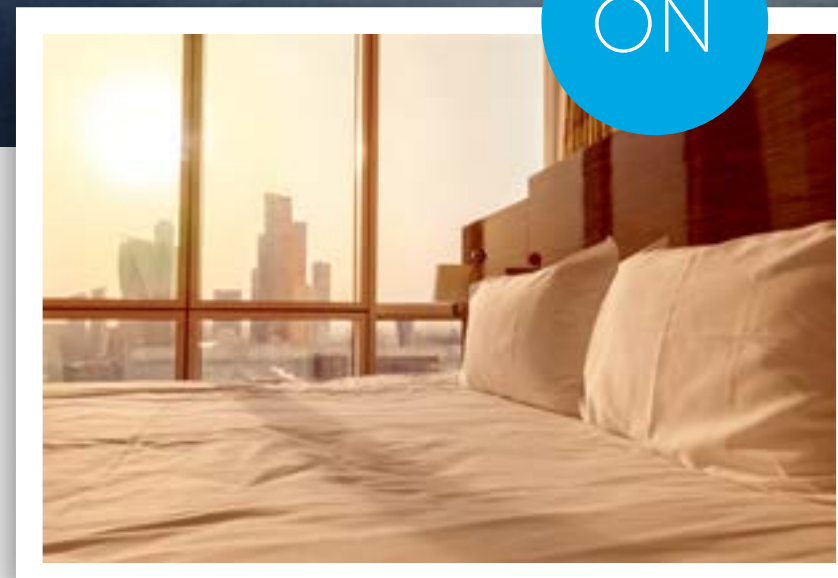
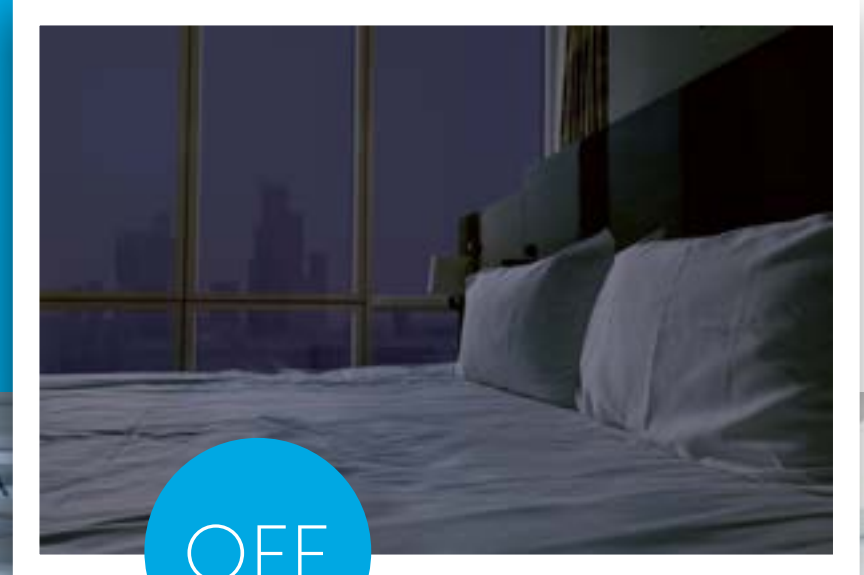
- custom levels of shade without compromising views
- optimization of natural light for increased well-being and lower electric costs
- modern and minimalist architectural glass designs
- instant control with switching in less than 3 seconds

Gauzy's SPD emulsions and films support architectural grade SPD smart glass. Ideal for blocking light in exterior windows, large scale glass and skylights, SPD-LCG[®] offers a durable, easily maintained, sleek and contemporary shading solution.

Blocking more than

99%

of visible light



SPD-LCG® Technology

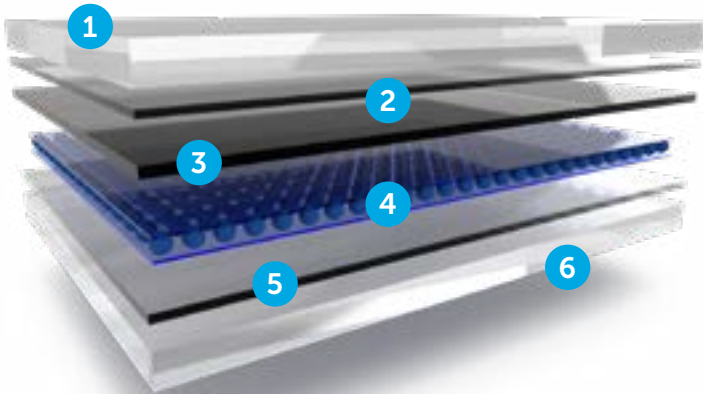
SPD Smart Glass

Gauzy's SPD technology is laminated by trained and certified liscenced partners, ensuring high quality smart glass for diverse projects worldwide. SPD LCG® is an easily maintained and durable shading solution for exterior windows or light sensitive areas in interiors.

SPD films can be patterned with custom shapes and designs enabling the segmentation of glass for precise light control. The only SPD technology available in architectural glass widths and compatible with curved and slanted glass, this product is ideal for facades, skylights and atrium windows.

Regardless of glass size, Gauzy's SPD films maintain a switching time as fast as three seconds, but can be customized to dim at a slower rate. SPD LCG® offers instant glare reduction and user controlled dimmer for custom levels of shading while retaining the benefits of views and connection to the outside environment.

SPD provides a cutting edge shading solution that transforms glass into an active material and an integral part of modern design without limitations of traditional or motorized blinds and curtains.



- 1. Glass
- 2. Adhesive Interlayer
- 3. IR Protective Layer
- 4. SPD on PET/ITO
- 5. Adhesive Interlayer
- 6. Glass

Specifications:

Film Optical Performance		
Attribute	OFF	ON ₁
VLT (Total Transmittance)	<1%	50%
Haze (ON) ₂	3.5%	
Color Grade	L* = 10	
	a* = 5	
	b* = -24	
Film Technical Properties		
Switching Time	3 sec	
Operating Temperature	-10°C to +90°C	
Film Thickness ₃	340μ	
Maximum Width(mm)	1800	
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	
Electrical Performance		
Operative Controllers	Mini, Mini DC, Flex, Custom	
Operating Modes	Fade, ON/OFF, Dimmer	
Operating Voltage	100VAC	

¹ Transmittance measured using a square wave signal at: 100V, 50Hz, provided by Gauzy SPD Controllers. This is the recommended operating frequency

² Haze tested on 'haze-gard i', by BYK, using recommended operating frequency. Haze performance results reported for 25°C. Haze results may vary based on lamination process.

³ Film thickness may vary

* Results based on SPD film laminated with TPU and clear glass

LCG® SPD Controllers

Patented controllers by Gauzy ensure the highest quality optical, mechanical, and electrical performance of LCG® laminated smart glass with SPD technology.

As the only smart glass controller in the market, Gauzy's hardware employs square wave signals, allowing films to stay on 24 hours a day with no burn in and ensure ultra high transparency. Gauzy's controllers protect smart glass against power surges and extend the lifetime of smart glass and film.

Gauzy's Mini, Mini DC, and FLEX controllers for SPD each offer a unique set of features best suited for varying glass sizes, input channels, and user preferences.

Features:

- On, Off, Dimming, Fade transitions
- Small form factor and footprint for easy installation
- Large drive capacity powers up to 40m² / 430ft² of glass per unit
- Advanced protection features for better ROI and MTBF
- Ultra-low frequency reduces up to 40% of power consumption
- Smart home system/dry contact/DMX/RS-485 compatible for easy connection to automation systems



Specifications:

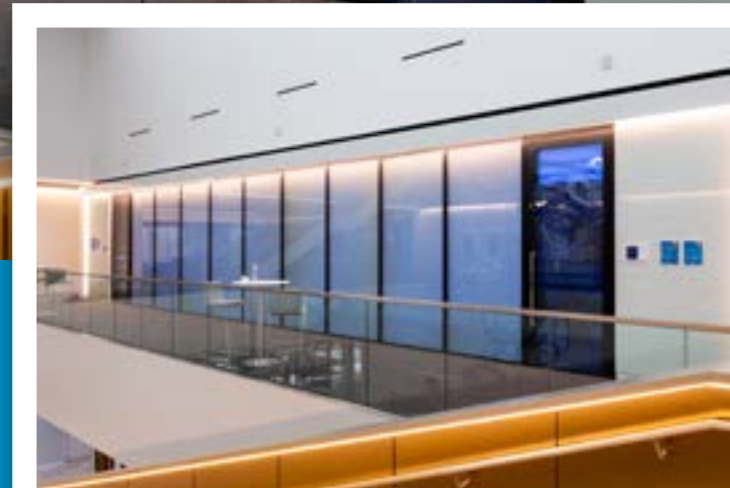
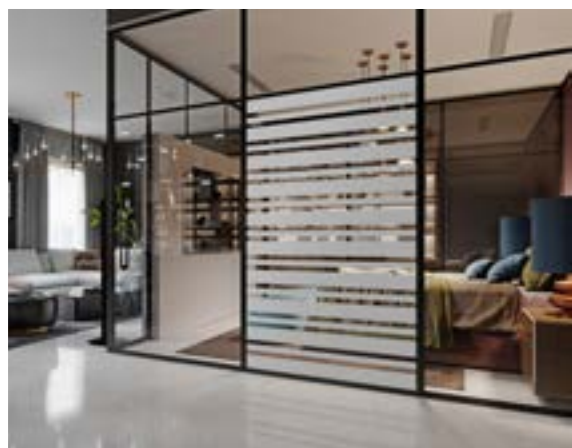
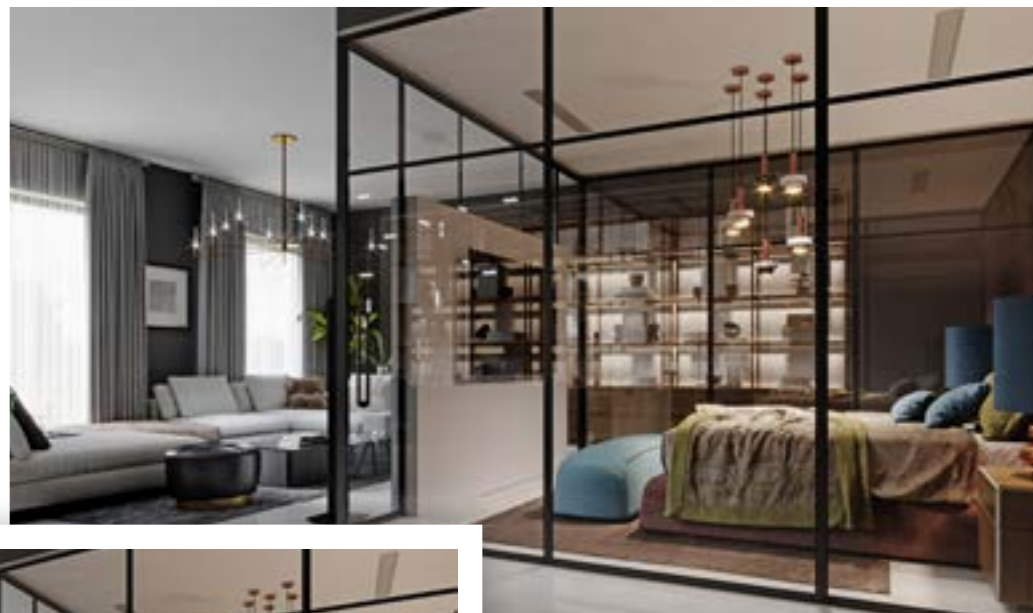
Electrical Performance			
Input Power	110/220VAC, 50/60Hz, 450mA	12-48VDC, 1000mA	110/220VAC, 50/60Hz, 900mA
Output Voltage	100VAC Square wave, 50/60Hz, 350mA	100VAC Square wave, 22Hz, 270mA	100VAC Square wave, 25/30-22-50/60Hz, 1070mA
Supported LCG® Area (up to)	20m² / 215ft²	20m² / 215ft²	40m² / 430ft²
Dimensions (LxWxH) (mm)	125x75x35	104x93x38 (close), 98x65x30 (open)	165x104x35
Weight (controller only)	0.44kg	0.30kg (close) 0.08kg (open)	0.71kg
Wall Mounting	Built-in	Built-in	Mounting Brackets
Output Channel	1	1	1
Operating Configurations	On/Off, Fade	On/Off, Dimmer	On/Off, Dimmer
Interfaces	High Voltage, Dry Contact	Low Voltage	High Voltage, Dry Contact, DMX, COM, 0-10VDC



Invisible Patterned Designs

Gauzy's patterned films support an even deeper level of design customization and light control, with options that speak to an array of design tastes for an even more memorable smart glass experience.

With a proprietary laser machine, nonvisible patterns are etched onto films creating segments that can have individual or group control. Achieve complete transparency, opacity, dynamic designs or strategic light blocking zones as power is applied or removed from each individual segment.



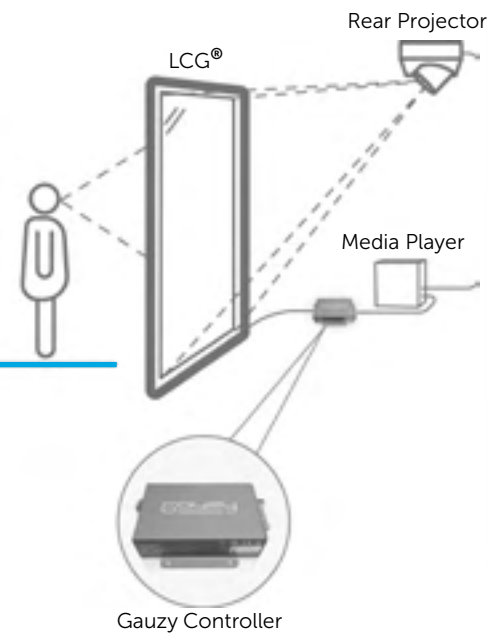
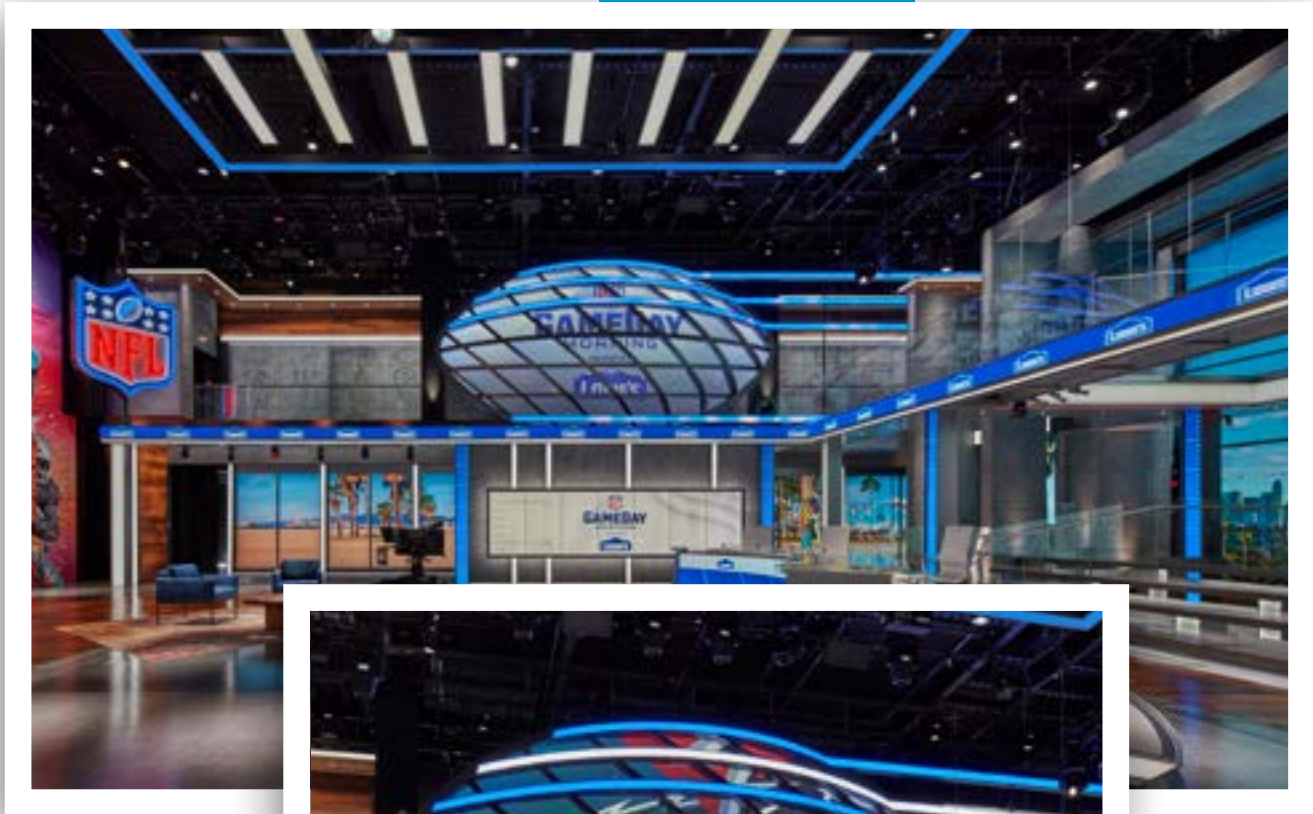
Features:

- 35 μ lines support nonvisible etching
- Unlimited segments with corresponding busbar positioning
- Individual or grouped segment control with Gauzy's MultiPlex controller
- Standard straight and wavy blinds, or custom free from designs
- Allows glass that is fully transparent, fully opaque, or dynamic with shifting patterns
- Consistent patterning for a continuous, uniform finish

Projection

LCG® sets a new standard in digital displays, creating a multi functionality that brings the possibility for communication, connection, and entertainment to any glass surfaces around us.

Compatible with any type of projector and all PDLC product lines, LCG® instantly turns windows and glass partitions into color rich dynamic HD displays that turn transparent. Enabling time and location based ads in retail, to vibrant and immersive screening surfaces in commercial or private spaces, AV and system integrators can create immersive and memorable experiences.



EASILY INTEGRATABLE

Cut to fit and made to order by Gauzy's certified partners, according to specifications and special requests, Gauzy's PDLC and SPD LCG® technologies are available in varying sizes, with holes and notches to suit special hinges and handles that support wiring and control.

Easily integrated into off-the-shelf or custom glass window, door, and partitioning systems with hidden wiring, LCG® is compatible with:

- C , U, and T profiles
- frameless butt glazed finishes
- double glazed partitions with acoustic control
- IGU windows
- aluminum and wood modules
- various types of doors & hinges (sliding, accordion, swing & other)



Touch Panels & Remotes

As dynamic as its users, LCG® can be operated via wall mounted touch panels, RF remotes, or synced with automation applications to best suit customer's control preferences for privacy, ambiance, and shading.

Each control method is paired with Gauzy's patented controller, allowing on/off or dimming functionality of single or multiple smart glasses and/or segments (patterned LCG®). Products are available in the following kits, supporting smart and intuitive LCG® control across spaces:

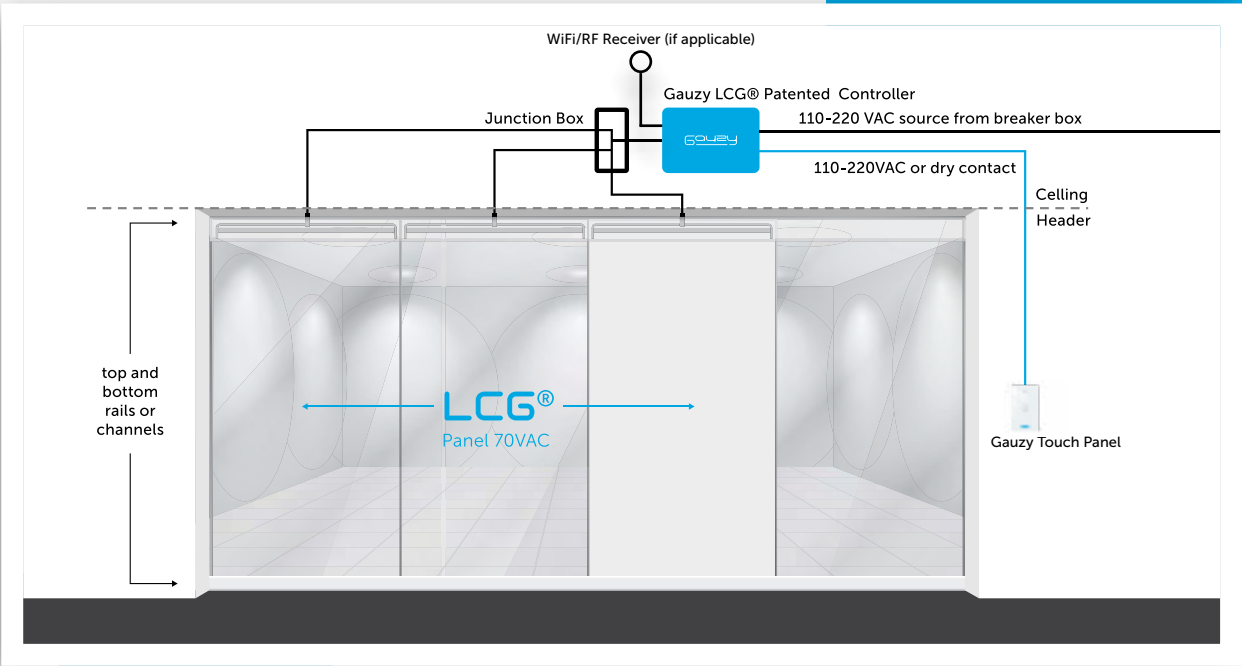
- TP only - sleek and modern glass panel ideal for control of one or multiple glass panels in a specific room
- Remote only - lightweight handheld RF remote with a range of up to 30m (98ft)
- TP & Remote - great for bigger spaces with single or multiple users who may need control of glass from a distance or within close range
- Automation Systems/Voice Control Apps: Remote receivers, touch panels, and Gauzy controllers are all compatible with Alexa, Google Assistant, or custom automation programs via WiFi or RS-485 connection for hands-free control



Specifications:

Specifications.

Touch Panel		Remotes
Item Details		
Item Weight(oz)	8	2
Dimensions US (LxWxH) (cm/in)	11.9 (L) x 7.4(W) x 5.3(H) / 4.72(L) x 2.9(W) x 2.1(H)	Remote 11.6(L) x 4.4(W) x 2.2(H) / 4.57(L) x 1.73(W) x 0.87(H) Reciever 5.8(L) x 4.8(W) x 2.4(H) / 2.3(L) x 1.9(W) x 0.94(H)
Color	White	White
Material	Glass	Plastic
Installation Method	Wall Mounted	Handheld/Wall Mounted Holder
Mounting Type	Outside Mount	Ouside Mount
Control Function	On/Off, Dimmer	On/Off, Dimmer
Power	Hardwired	Battery Operated (Battery included)
Electrical Properties		
Input Power	100/240VAC 50/60Hz	DC 12V
WiFi	Yes	Yes (Reciever)
Operating Frequency	WiFi 2.4G, RF433 MHz	433 MHz
Operating Temperature	0°C-80°C	-20°C - +60°C
Standby Power	≤0.5W	N/A - Battery Powered
Single Pole	Yes	N/A
Multiple Control	Yes	Yes
Voice Control	Yes	Yes (Reciever)
Neutral Wire Required	Yes	Yes (Reciever)



Offices

Support spatial agility in open or hybrid floorplans by enabling glass to switch from opaque to transparent to create on-demand privacy or an open atmosphere supporting employee wellbeing and preferences for a dynamic work environment that promotes productivity.

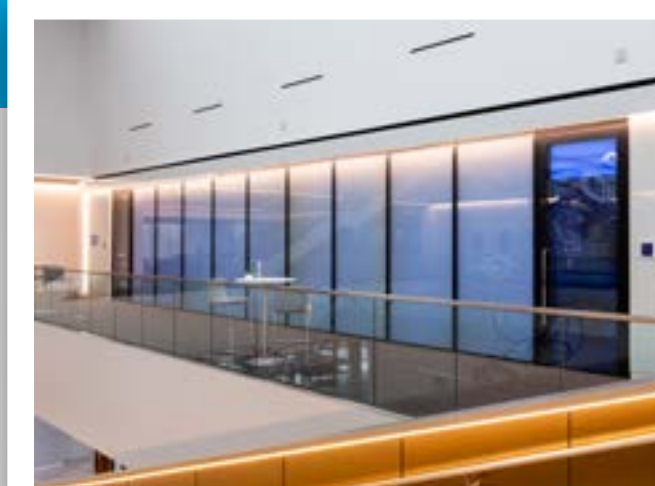
Access to natural light and views is proven to increase mental function, memory, and productivity by up to 25%. Creating a space that is comfortable for employees results in higher levels of in-office satisfaction. Depending on the scenario, teams may prefer to work in a private space for focused concentration, or in an open and transparent environment for collaborative brainstorming. Providing the flexibility to adapt a space to suit the needs of individual users, LCG® is a top choice for companies that value their workforce and space.

Applications

- conference rooms
- executive suites
- private offices
- pods/phonebooths
- welcome areas
- desk dividers
- facades
- ground floor windows
- ground floor doors

Benefits

- Spaces that can shift instantly for employee preferences
- Privacy or transparency within open concept offices
- White board or projection screen use when opaque
- Create physical boundaries without blocking light or compromising design
- Gain valuable space with use of glass partitions
- A high tech design upgrade for modern businesses
- Easy to clean privacy solution that eliminates traditional fabrics
- Access to natural light without compromising privacy or views



Retail



Visual merchandising with smart glass creates new opportunities to excite and capture shoppers. Paired with projection, Gauzy LCG® technology allows retail stores to make the most of valuable storefront windows to capture audiences' attention.

Digital signage welcomes a new era of displays, removing the need for traditional signage. With a one time investment, LCG® creates a versatile display with instantly switchable content that can be rolled out globally for consistent messaging.

Increase footfall by utilizing windows to display vibrant ads that appear and disappear to create an engaging experience for shoppers without blocking merchandise.

Applications

- Storefronts
- In store displays
- Dressing rooms
- Check out and register areas
- Product rolls outs
- One time events
- Corporate offices
- Confidential spaces
- Visual merchandising

Benefits

- Instantly capture shoppers with vibrant advertisements for increased footfall
- Allow shoppers to see products and atmosphere inside your store when transparent
- Custom shapes and sizes of film or glass create the most unique windows possible
- Save time and money associated with replacing traditional signage
- Quickly modify content with digital signage



Residential

Supporting sleek versatility, LCG® enhances a homes interior and architectural design with a distinctive technology focused upgrade that contributes to comfort and convenience for a sense of solitude and ease in personal sanctuaries.

Complimenting diverse decorative styles, smart glass brings practical functionality and aesthetics to different rooms in a home. Easily connected to smart home automation systems like Alexa and Lutron, LCG® supports fully integrated homes for complete control. Bringing natural light, dynamic shading, views, and privacy to luxury residential projects, Gauzy is a standout feature that new homeowners or renovators appreciate.

Applications

- Bathrooms
- Showers
- Front doors
- Bedroom windows
- Skylights
- Windows or door facing neighbors or the street
- Home offices
- Bar areas and wine rooms
- Safe rooms
- Home entertainment centers

Benefits

- Disperse natural light between spaces for an open atmosphere
- Unified integrations with standard or custom smart home systems
- Create flow through floor plans without sacrificing privacy
- Replace thick studded walls with low profile glass partitions
- Dynamically tint windows and skylights while maintaining views
- Program LCG(R) to switch according to time of day or predefined user preferences for full smart home integration



Hotels

Building and designing spaces that appeal to different types of travelers relies on selecting materials that emphasize the most highly valued elements of a stay including comfort, cleanliness, and a quality in room experience.

Complimenting diverse design directions, LCG® provides a modern and sophisticated shading and privacy solution that contributes to creating a memorable experience. Eliminating the need for fabric curtains that are costly and laborious to properly clean, hotel operators bottom line and operations benefit from utilizing easy to clean LCG® in interiors and facades. PDLC provides secure privacy for enhances comfort in a public space, while SPD allows for dynamic shading with a view, a highly valued benefit when guests pay premium price for a scenic room.

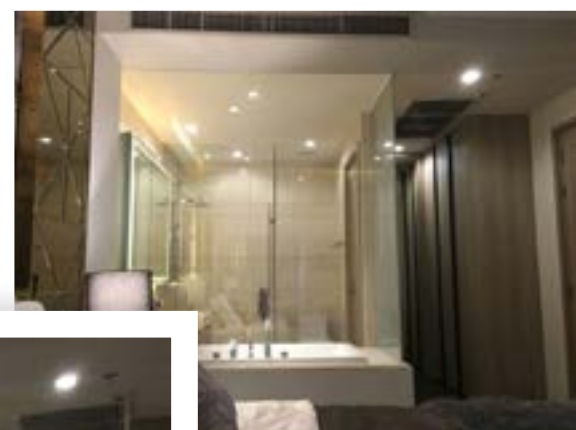
Applications

- Convention halls
- Retail store fronts
- Business centers
- Glass elevators
- Skylights and Atriums
- Bathroom enclosures
- Partitions between sleeping and common areas
- Lobbies
- Spas
- Gyms

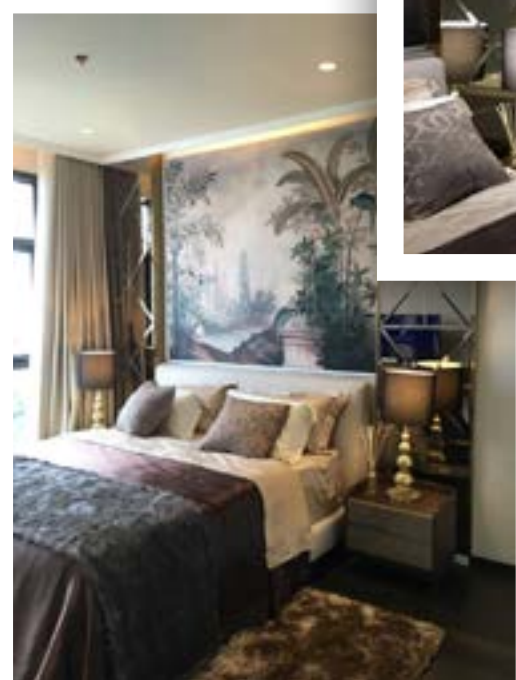
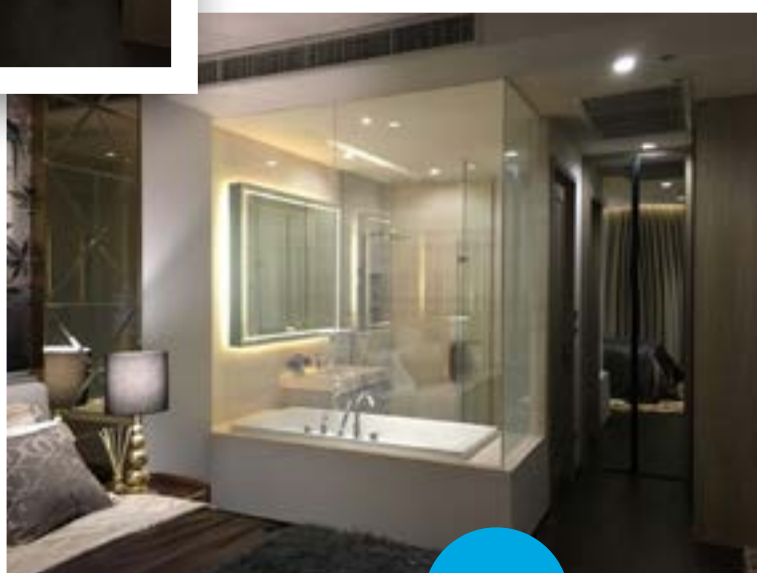
Benefits

- Reduce HVAC costs when utilizing Solar PDLC
- Create light filled rooms that feel more spacious
- Gain valuable space with low profile glass partitions
- Maintain sleek designs without bulky shades and curtains that hold germs
- Pair with projection in common spaces to leverage advertising and guest communication
- Choose standard or custom patterns for a truly unique design element unique to a hotels theme
- Creates a modern and memorable design upgrade travelers appreciate

OFF



ON



Hospitals

Safety standards in healthcare environments are constantly evolving. Innovative building designs and smart materials can help facilities adapt faster, better treat patients and ensure the safety of staff, patients, and visitors.

Eliminating the need for HAI harboring fabrics used for privacy and shading, PDLC and SPD technologies support light filled privacy, shade with a view, and sound isolation for greater comfort and enhanced wellbeing that contributes to faster healing. Able to be controlled with motion sensors or from a central station, doctors and nurses can reduce the amount of interaction with touchable surfaces, and can easily check on patients with minimal disruption.

Applications

- Private patient rooms
- Dividers in shared patient rooms
- Corridor facing rooms
- ICU's
- Neonatal facilities
- Corporate offices and conference rooms
- Waiting areas
- Isolation units

Benefits

- Easy to clean and sterilize
- Eliminate fabric curtains that spread HAIs
- Monitor patients without entering a room
- Increase access to light for increased wellbeing
- Sound reduction and safety with tempered glass
- Create agile designs that can easily convert use of rooms
- Supports EBD philosophy while upholding aesthetics



WHY SPECIFY GAUZY

Developed and manufactured with the philosophy that every molecule matters, our films exhibit the best optical, mechanical, and electrical performance in the industry. Supported by a global distribution network of specially trained and certified glass fabrication and film installation partners, choosing Gauzy allows for a full spectrum of glass (or polycarbonate) requests.

Specifying Gauzy is a long term solution that provides customers advanced technologies that outfit future facing designs with the most reliable smart materials.

Choosing Gauzy Means:

- A broad range of reliable products
- Industry leading performance
- Purchasing from a trusted and reliable manufacturer
- Working with a globally trained network of professionals that provide localized production and services
- Dedicated and accessible account managers and customer support
- Aligning with a pioneering technology that is defining a new era in high performance glass

WE STAND BY OUR PRODUCTS

Gauzy's films have the best optical and mechanical performance in the industry with unparalleled durability, lasting upwards of 18 million on/off cycles and 10,000 constant 'on' hours. We are committed to innovation and the ongoing development of all our product lines, resulting in light control technologies that exceed market expectations.

Committed to ongoing innovation and precise manufacturing, Gauzy has dedicated R&D and proprietary production facilities for each technology, ensuring quality control at each step of production and the most innovative products in the market.

Gauzy is ISO 9001 compliant worldwide, and all of our hardware is CE and UL certified. Each film manufactured by Gauzy is tested on our proprietary ATE system and packed with care for safe delivery.

Gauzy Ltd is a fully integrated light and vision control company, focused on the research, development, manufacturing, and marketing of vision and light control technologies that are developed to support safe, sustainable, comfortable, and agile user experiences across various industries. Headquartered in Tel Aviv, Israel, the company has additional subsidiaries and entities based in Germany, France, the United States, Canada, China, Singapore, and Dubai Gauzy serves leading brands in over 30 countries through direct fulfillment and a certified and trained distribution channel.

Gauzy HQ

14 Hathiya Street
Tel Aviv – Yafo, Israel 6816914
+972 72 250 0385

Gauzy GmbH

Buchenstr. 2
72172 Sulz am Neckar – Germany
+49 (0) 7454 980 9500

Gauzy USA

840 F Avenue #104
Plano, TX 75074
+1 214 501 2469

Gauzy SAS

54 route d'Irigny
Brignais, France, 695300
+33 4 72 31 98 10

Gauzy China

Room 101 Building 8 No.111 QiLianShan Road
PuTuo District, ShangHai, 200333
+86 13728994375

