

SGG PRIVA-LITE®

Privacy at will...





SAINT-GOBAIN
GLASS

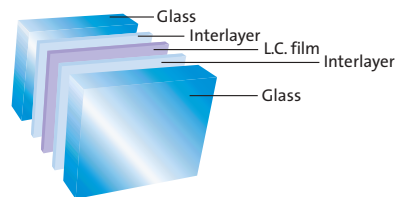
*It's easy and
instantaneous!*



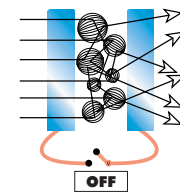
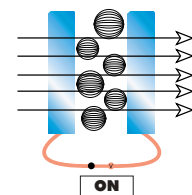
SGG PRIVA-LITE[®], transparency or intimacy,...it's your choice!

For those times when you want to be shielded from prying eyes, SGG PRIVA-LITE, "intelligent" glass, offers you instant privacy at the flick of a switch.

SGG PRIVA-LITE's unique technology allows it to be switched from an ordinary-looking clear glass to a whitish translucent glass, ensuring optimal vision control. SGG PRIVA-LITE is a laminated glass comprising two panes of glass, either clear or tinted, and a liquid crystal interlayer film.



When the glass is switched off from its special power supply (transformers provided), the liquid crystals are randomly scattered, preventing both sides from seeing through the glass. By switching the glass on, the liquid crystals line up and reorient themselves, turning the SGG PRIVA-LITE totally transparent.



APPLICATIONS AND FEATURES.

Partitioning :

- Transmits the same quantity of light (approximately 77%) in both transparent and translucent states.
- Curtains and blinds become redundant.
- Hygienic.
- Besides its excellent acoustic insulation properties, SGG PRIVA-LITE can also be combined with our range of sound-proof glazing.
- SGG PRIVA-LITE is tested in accordance with the CENELEC European Standard and can meet your security requirements.

External vertical glazing :

- SGG PRIVA-LITE is UV-proof, remains stable with time and requires no specific maintenance.
- Can be incorporated into single or

double glazing.

- Can be curved, silk-screen printed or sand-blasted.

Safety & Security :

- High level of safety due to the laminated glass
- Combined with our range of bullet resistant glazing, it becomes a very efficient anti-bandit glass.
- Ideal for hiding precious items to be revealed only to selective audience.
- Can be incorporated into fire-resistant glazing.
- Its electric consumption is low. SGG PRIVA-LITE comes with a 5 year guarantee.

Screens :

- Excellent video or slide projection screen due to a high resolution
- Outstanding luminosity and colours thanks to the light-diffusing effect of the liquid crystals.
- Amazing special effects are possible by alternating between transparent and translucent states.

Transport :

As partitions or windows, SGG PRIVA-LITE also offers novel solutions to the automotive sector.

- innovation.
- design.
- eye-catching.



◀ **BT Auditorium and Media Centre**
Newgate street

- Architect : Ian Logan, Aukett Europ, London
- Installer : Saint-Gobain Glass Solutions

Main benefits :

- SGG PRIVA-LITE ensures privacy and confidentiality at will
- High acoustic performance of the partition due to the used of acoustic sliding doors and SGG STADIP SILENCE film
- The stylish features of the curved SGG PRIVA-LITE contribute to the corporate image of the company



◀ **Versatel, Bossinade Lightworks BV**
Amsterdam

Main benefits :

- SGG PRIVA-LITE ensures privacy confidentiality at will.
- SGG PRIVA-LITE is working like a wave : all the pannel are switched independently right to left.

SGG PRIVA-LITE can be used in :
meeting rooms, office partitioning, lobbies, reception areas, control rooms, restaurants, at home, ...



▲ **Vereinigte Energiewerke Aktiengesellschaft (VEAG)**
 Berlin, Germany Office windows used as a video projection surface
 Kny & Weber and Konzepte für Kommunikation GmbH

- Main benefits :**
- Impressive visualisation of the company's field of activity.
 - Double use of the "shop window".



▲ **Sound Republic**
 London, Great Britain, Nightclub Bar shopfront with curved glass - IPA Design Group

- Main benefits :**
- SGG PRIVA-LITE makes the room private or public at will.
 - The mood of the bar can be easily changed.
 - With projections, the bar becomes really eye-catching from outside.

SGG PRIVA-LITE® can be used in :
 private residences, shop fronts,
 frontages, ...

* subject to approval by our Technical Department



ON



OFF

▲ 55 Av. Georges V
Paris, France - lift

Main benefits :

- High level of safety due to the laminated glass.
- Original design.
- Provides modesty screen.
- Security glazing tested according to the CN 356 P4A standard in 55.2 composition.



ON



OFF

▲ SNCB (Belgium railway),
Brussels center-Luxembourg train station - Belgium

Main benefits :

- sGG PRIVA-LITE can be incorporated into bullet-resistant glazing.
- It visually shields employees instantaneously from menace.
- In translucent state it indicates that a counter is closed.
- Curtains and blinds become redundant.
- Advertising with back projection become an additional option.

sGG PRIVA-LITE can be used in :
bank counters, exchange offices, post offices, jewellery stores, libraries, theatres, museums, ...



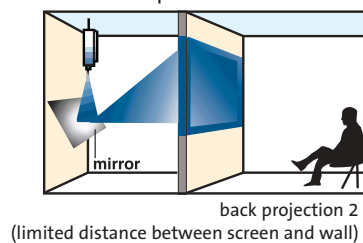
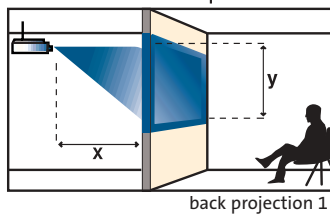
◀ Milkmuseum

Groupe Besnier, Laval, France

Main benefits :

- High resolution
- Enhanced contrast (available with tinted glass)
- Large view angle
- Up to 2 times brighter images than front projection
- High acoustic performance: avoid noise from the projector side
- Eyecatcher screen: transparency at will(on)
- Projection equipment is hidden behind the screen
- Compatible with LCD, VLD, slide and light valve projectors
- Available in wide screen format
- Safety and security; laminated glass, can be combined with anti-fire glazing
- Only 11mm thickness

SGG PRIVA-LITE
 > SGG DIAMANT 55.2 : extra white (LT : 76%; RL : 18%)
 > SGG PARSOL GREY 55.2 : (LT : 38%; RL : 8%)



(reference: VLP-PX30 LCD data projector)

Y (mm) size of the screen in diagonal	1350	2250	3375	4500
x (mm) distance between screen and projector	2280	3850	5810	7770

◀ SGG PRIVA-LITE in back projection

Principle of installation

SGG PRIVA-LITE can be used in :

Internal applications :

- conference rooms
- control rooms auditorium
- tv studio
- exhibitions
- showrooms
- boardrooms
- showcases

External applications :

- Front shop
- Façade
- outdoor media



OFF

◀ IC-Neitech Consortium

Glass partitioning in train Germany

Main benefits:

- With *SGG PRIVA-LITE* in clear state, the passengers enjoy the sensation of speed.
- Stylish application for first class passengers.



ON



ON



OFF

◀ Airbus A 340

Cathay Pacific passengers partition window

Main benefits:

- The stylish features of *SGG PRIVA-LITE* can contribute to a corporate image of the company.
- Lasts longer than curtains and has no maintenance costs.
- Easy operation for the cabin crew.

SGG PRIVA-LITE can be used in : under-grounds, planes, buses, limousines, ...



▲ **Bombay Sapphire fish tanks**

*Heathrow Airport Terminal 4,
Departures level January and
February 2001*

Main benefits :

- *SGG PRIVA-LITE can be very surprising.*
- *Eye catching tool to promote the Bombay Sapphire brand.*



▲ **Media Gallery**

Bertelsmann expo 2000 hannover

Main benefits :

- *SGG PRIVA-LITE allows amazing multi media animations*
- *Possibility to have goods selectively.*
- *Protection against theft.*

RANGE OF PRODUCT

Min. dimensions :
305mm x 405mm.

Max. dimensions :
1000mm x 2800mm.

Standard thicknesses :
11 mm, 12mm, 14mm.

Thicker assemblies are available on request.

Available colours :
neutral, bronze, grey, green.

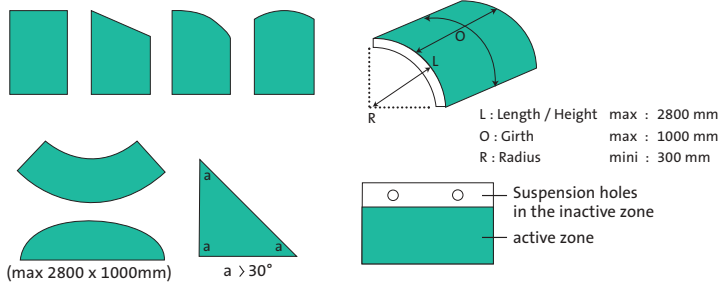
INSTALLATION

SGG PRIVA-LITE is intended essentially for internal applications. It may also be used in external glazing - subject to approval by our Technical Department. SGG PRIVA-LITE is to be used at temperatures within the range of -20°C to +60°C.

SGG PRIVA-LITE is electrically connected

to a special power transformer, provided for a primary voltage of 230 V 50 Hz. Power consumption is less than 5 Watt/m² Specifications for connection are provided with the product.

PROCESSING : AVAILABLE SHAPES



PERFORMANCES

Physical properties (nominal values)	Single glazed SGG PRIVA-LITE 55.2 (11 mm)		Double glazed SGG PRIVA-LITE 55.2 (28 mm)	
	on	off	on	off
Light transmittance*	77%	76%	69%	68%
Light reflectance*	19%	18%	23%	23%
Solar factor*	63%	64%	59%	59%
U-value (W/m ² K)	5.6 to 5.8	5.6 to 5.8	2.6 to 1.3	2.6 to 1.3
Haze coefficient*	7.5%	90%	7.5%	90%

* spectrophotometric values are given within a range of +/- 2%

Distributor

SAINT-GOBAIN
GLASS

SAINT-GOBAIN GLASS BENELUX
Rue des Glaces Nationales 169
5060 Sambreville

GLASS-LINE
0000-999999

Each working day from 1 till 5 pm

glassinfo.be@saint-gobain-glass.com
www.saint-gobain-glass.com

R.C. Namur 1487
TVA BE 402 733 607

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