

PRIVA-LITE

COMFORT | PRIVACY | DESIGN

**INNOVATIVE SOLUTION FOR
CONTEMPORARY ARCHITECTURE**



BUILDING GLASS EUROPE


SAINT-GOBAIN

PRIVA-LITE

COMFORT | PRIVACY | DESIGN

PRIVA-LITE

Modern and sophisticated solutions for architecture.



PRIVA-LITE

Comfort of privacy, light, acoustics and safety.



PRIVA-LITE

Support for communication with back projection possibility (OFF mode)



ON

OFF



DESCRIPTION

PRIVA-LITE is an active glass which, under the effect of an electric current, switches from translucent to transparent with no alteration of light transmission.

Light transmission is almost identical in the transparent and translucent states.

Two layers of extra clear glass encapsulate a liquid crystal (LC) film inserted between EVA or PVB layers.

This LC film is composed of two PET films coated with a transparent metallic deposit and laminated together by means of a very fine layer of liquid crystal gel.

Due to voltage application liquid crystals orient themselves toward the same direction. PRIVA-LITE CLASSIC is powered by 100 Volts AC, and PRIVA-LITE XL by 65 Volts AC. **The LC Film (Translucent in OFF state) then becomes instantaneously transparent.** In its translucent state, PRIVA-LITE offers an ideal back projection screen.



PRIVA-LITE

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ADVANTAGES

- Quality and warranty of Saint-Gobain.
- Over 20 years of experience.
- EPD Certificate.
- Compatibility with EN 356 standard.
- Intimacy, privacy and comfort.
- „Wow” effect.
- High level of transparency – ‚haze level’ is tested for every single glass panel.
- Best quality on the market for back projection application.
- Instant and silent change of states between ON and OFF positions.
- Low power consumption.
- Easy and safe installation.
- High light transmission.
- Protection against harmful UV radiation.
- Lots of possibilities to enlarge room space, gives a unique nature.



APPLICATION

- Internal partition.
- Sliding, pivotal and framed door.
- Shop window.
- Back projection screen.
- Glass floor.
- Mobile pre-framed partitions.
- Facade.
- Double/ triple glazing (ask for more details).

ON



OFF



ON

OFF



ON

OFF



COMPOSITION

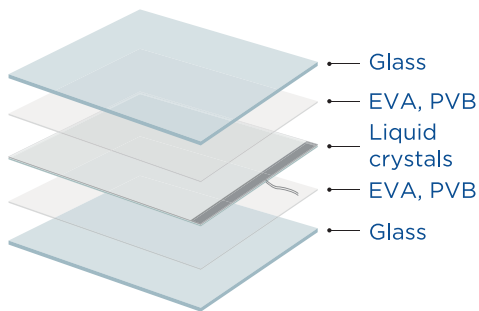
Standard 55.4 (12 mm thickness) laminated glass, available as double/ triple glazing.

Can be composed of glass that is tempered, coloured, screen-printed, bent.

Can also be used as the inner sheet of a double-glazing with all of the products from the range of glazing from SAINT-GOBAIN (ULTRA N, COOL LITE, ANTELIO, STADIP PROTECT, STADIP SILENCE, CONTRA-FLAM) and combined with panels from the range of product GLASSOLUTIONS: LEDinGLASS, E-GLAS, TEXGLASS.

ELECTRODES AND CABLE EXIT

Depending on the size of the glass-pane, both electrodes can be positioned either on top, at the bottom, on the right or left side, with the exit of the cable at the centre of the electrodes' side.



POWER SUPPLY

For PRIVA-LITE CLASSIC:

- QG6 power supply unit is able to supply 6 m² of glass.
- Input 100-230V AC, output 100V AC.

For PRIVA-LITE XL:

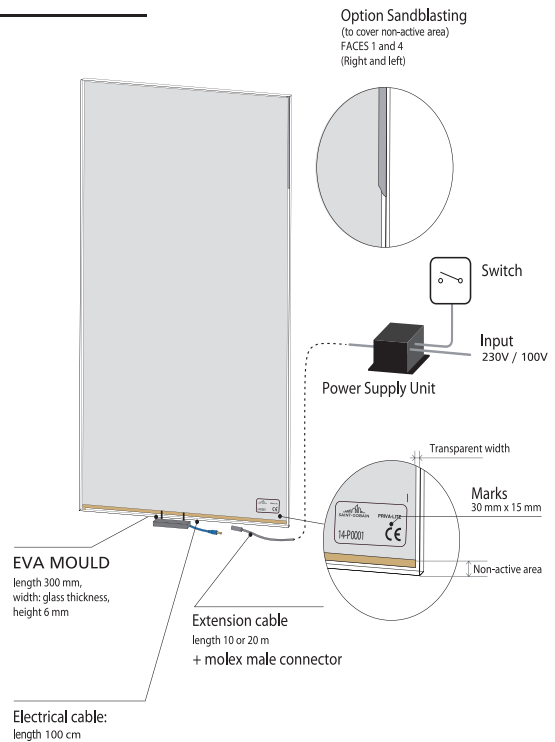
- PSU power supply unit is able to supply 6,37 m² of glass.
- Input 230V AC, output 65V AC.

All power supply units have CE certificates.

SHAPES

All of the standard shapes are possible, except complete circles as well as shapes with angles inferior to 30°. The panes can be curved, screen-printed or be sand-blasted.

Diagram based on a standard assembly as simple glass panel



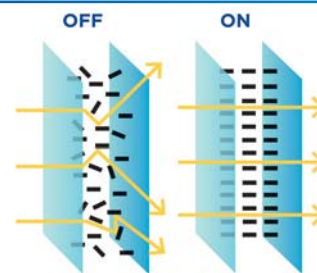
CURVED GLASS

PRIVA-LITE CLASSIC is available as a bent glass.

Min. radius 2000 mm, max. glass dimension 1000 x 3000, deflection ≤ 60 mm.

PRIVA-LITE XL is available as a bent glass.

Min. radius 2000 mm, max. glass dimension 1500 x 3000, deflection ≤ 60 mm.



SIZE

For PRIVA-LITE CLASSIC:

- Max. 1000 x 3750 mm
- Min. 200 x 300 mm

For PRIVA-LITE XL:

- Max. 1820 x 3500 mm
- Min. 200 x 300 mm

THICKNESS

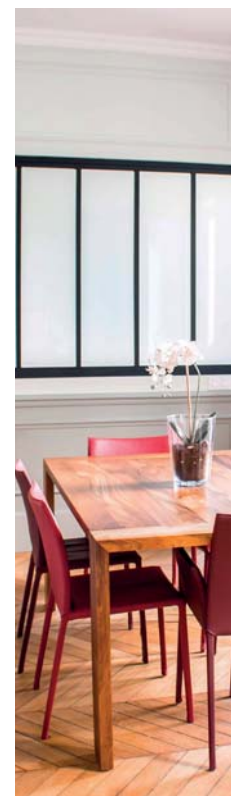
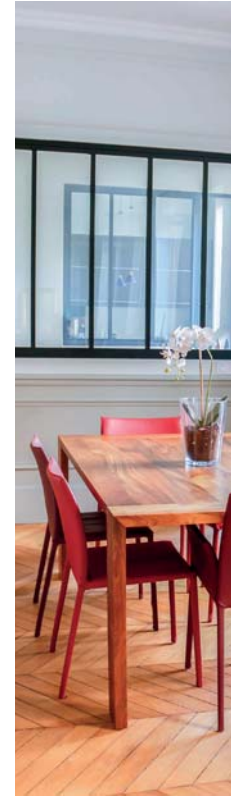
- Standar: 12 mm (55.4)
- Other: from 8 to 33 mm

	PRIVA-LITE CLASSIC		PRIVA-LITE XL	
	ON	OFF	ON	OFF
Light transmission*	77%	76%	77%	50%
Light reflection*	19%	18%	19%	18%
Haze (level of blur)*	5,7%	90%	6,0%	99%
Solar Factor*	63%	64%	63%	64%
Ug (W/m2K)	5,6 to 5,8	5,6 to 5,8	5,6 to 5,8	5,6 to 5,8
Rw (C;Ctr)	38 (-2;-3) dB		37 (-1;-2) dB	
Working conditions	-20 to 60°C		-10 to 70°C	

*The spectrophotometric data are given with a tolerance +/- 2%.

	PRIVA-LITE CLASSIC	PRIVA-LITE XL
Operating voltage	100 V (50 Hz)	65 V (50 Hz - 60 Hz)
Power	7 W/m ² when <<ON>> 0 W/m ² when <<OFF>>	5 W/m ² when <<ON>> 0 W/m ² when <<OFF>>
IP		IP X7
Security to shock	PRIVA-LITE 55.4 is equivalent to a laminated glass (EN 12600, Level 1B1)	
Protection class	PRIVA-LITE 55.4 - P5A; PRIVA-LITE 66.8 - P6B	
Standards and certification	CE, DOP, EPD certificates available on request	

No change in light transmission between the transparent and translucent states for PRIVA-LITE CLASSIC.



WARRANTY

GLASSOLUTIONS gives a 5-year warranty on glass and, 2 year warranty on electrical accessories. This guarantee is valid only if the instructions contained in our installation and maintenance guide are followed.



INSTALLATION

PRIVA-LITE may be installed either as interior glass, or as a façade as isolated glass. You may install PRIVA-LITE either in 4 side profiles, or butt joined, for continuous glass wall effect. Doors, windows, walls, may be equipped with PRIVA-LITE.

Full systems ready to install are also proposed, like sliding door, pivotal door or PRE-FRAMED SYSTEM (ask your Saint-Gobain Glassolutions dealer for details).

SGGS provides the adapted silicone and glass tape for conform installations. PRIVA-LITE is easy to install by any professional glazier; detailed install guide and professional support are provided.

Electric installing is very simple (of course to be done observing the electric installation rules, at the install location).

TRANSFORMER AND CONTROL

Specific plug and play transformers and cables are provided with each PRIVA-LITE. Transformer may be installed in separate rooms, up to 20 meters away from the glass. PRIVA-LITE may be easily controlled with standard wall switch or remote controls.

ON

OFF

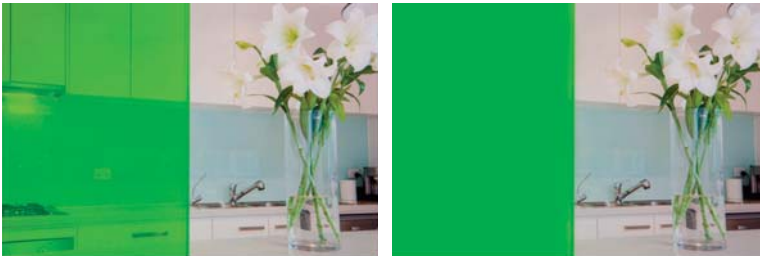


PRIVA-LITE COLOR

Glass laminated with colour films
(12 colours available).



Assortment



PRIVA-LITE TEXGLASS

Glass laminated with fabrics

**PRODUCTS AND SYSTEMS
PRIVA-LITE**

PRIVA-LITE PRE-FRAMED

DIY set - consists of glass, frame and electrical accessories.

PRIVA-LITE DOOR SYSTEM

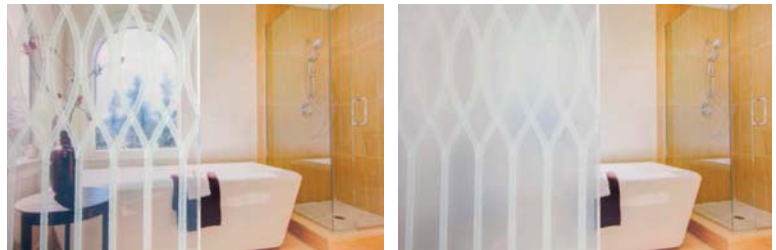
Priva-Lite Sliding Door System or pivotal door.

PRIVA-LITE PICTURE IT

Glass with digital printing.

PRIVA-LITE

As double/triple glazing with specific glass: CONTRAFLAM, SUPERCONTRYX or EGLAS (please contact us for more details).



ON

OFF



References

ON



Partition and door system

ON



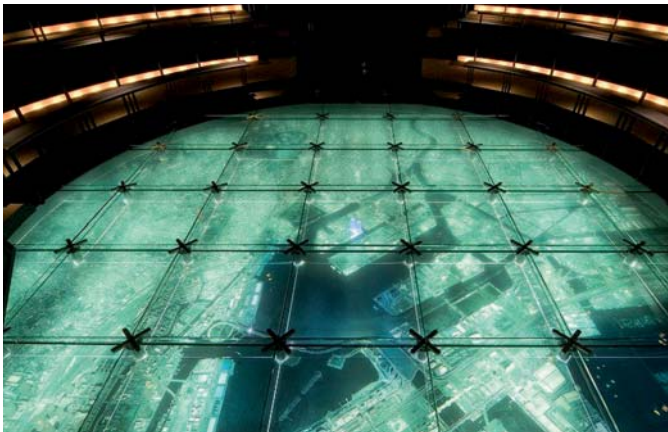
OFF



OFF



Interactive floor



ON



OFF





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www.glassolutions.pl
www.privalite.com

