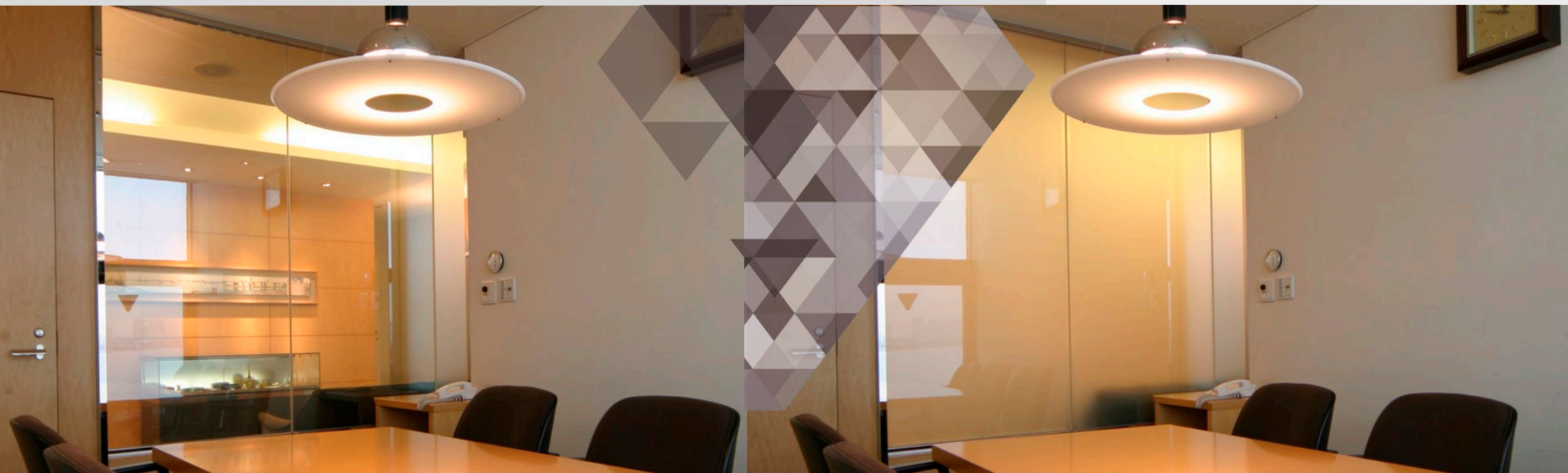




PRIVA-LITE®

*innovative solution  
FOR MODERN ARCHITECTURE*



PRIVA-LITE®

COMFORT | INTIMACY | DESIGN

SAINT-GOBAIN DESIGN

The future of habitat. Since 1665.

### PRIVA-LITE®

modern and sophisticated  
solutions for architecture.

ON

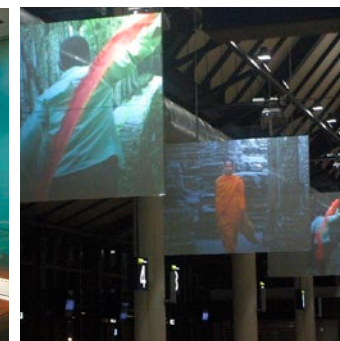


OFF



### PRIVA-LITE®

dynamic support  
for communication.



ON



OFF



### PRIVA-LITE®

comfort of intimacy,  
light, acoustics  
and safety.



## PRIVA-LITE®

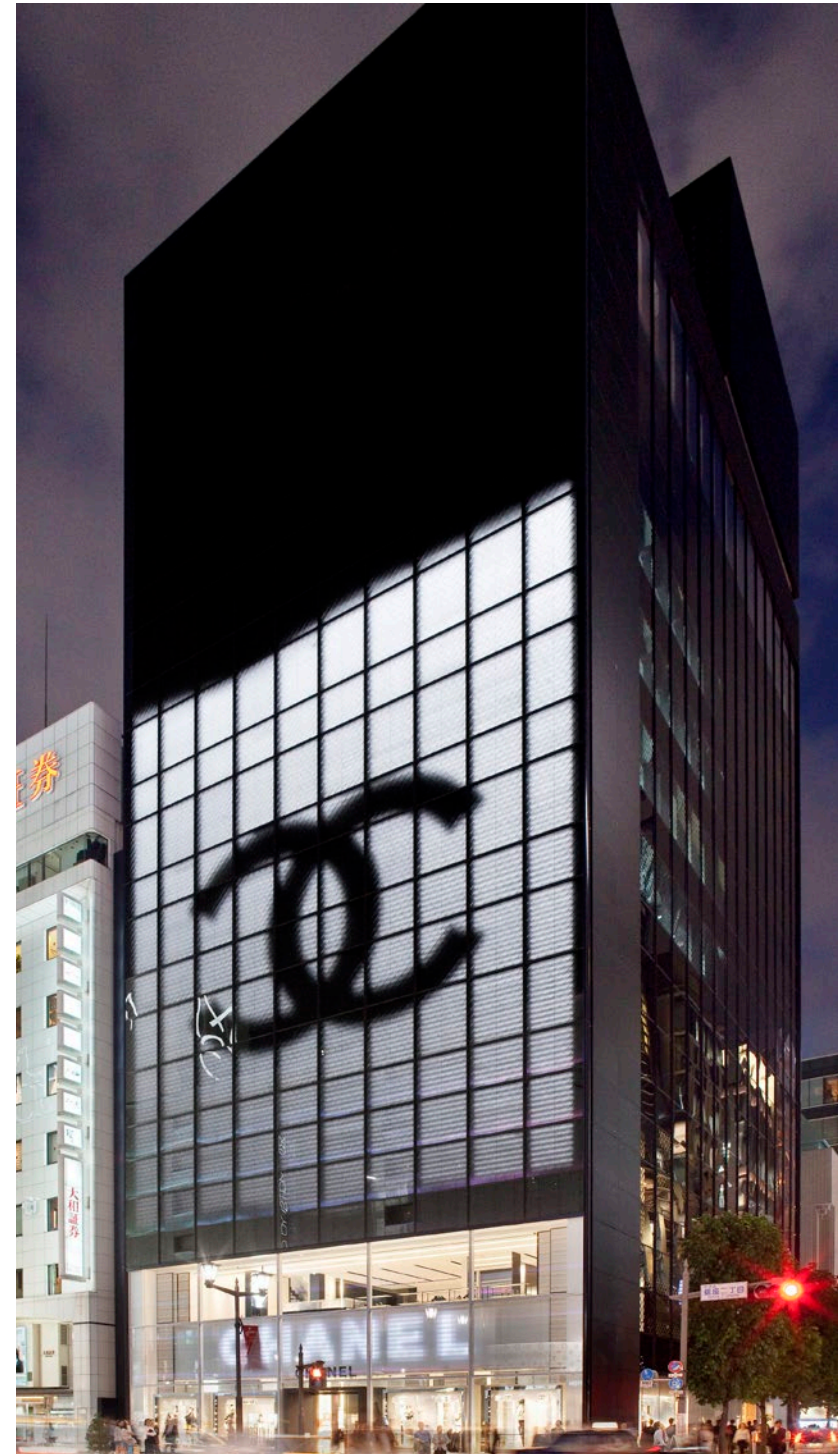


### DESCRIPTION

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 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 CLAS-SIC 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.







ON



OFF



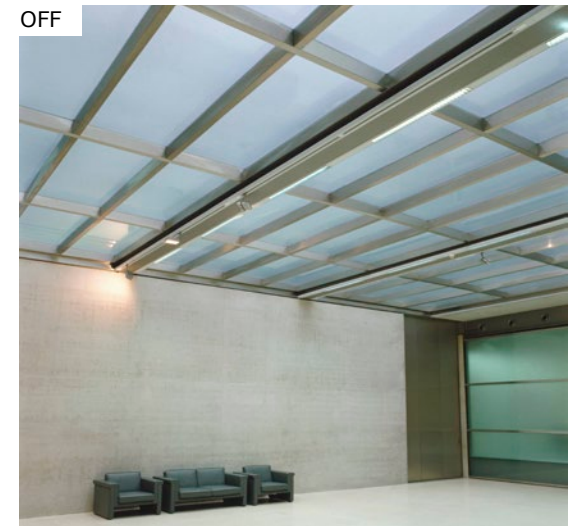
## ADVANTAGES

Quality and warranty of Saint-Gobain.  
Over 20 years of experience.  
Safety and durability guaranteed by Saint-Gobain.  
Labs.  
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 soundless change of states between.  
ON and OFF positions,  
Low power consumption.  
Easy and safe installation – just plug and play.  
High light transmission.  
Protection against harmful UV radiation.  
Lots of possibilities to enlarge room space, gives a unique nature.

ON



OFF





ON



## 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).  
Shower screens.

ON



OFF



ON



OFF



OFF



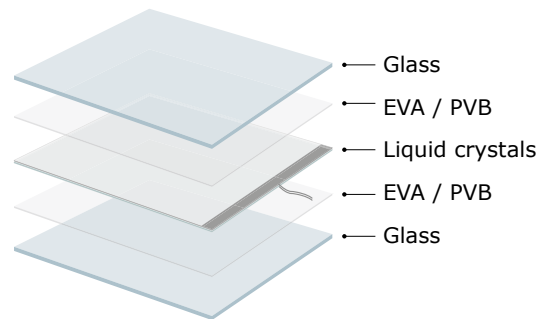


## COMPOSITION

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

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

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, CONTRAFLAM) and combined with panels from the range of product GLASSOLUTIONS – LEDinGLASS, E-GLAS, TEXGLASS.



## SIZE

### PRIVA-LITE CLASSIC:

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

### PRIVA-LITE XL:

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

### THICKNESS:

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

## POWER SUPPLY

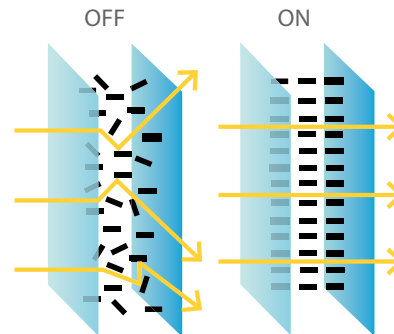
### PRIVA-LITE CLASSIC:

- QG6 power supply unit is able to supply 6 m<sup>2</sup> of glass.
- Input 100~230VAC, output 100 VAC.

### PRIVA-LITE XL:

- PSU XL power supply unit is able to supply 6,37 m<sup>2</sup> of glass.
- Input 230VAC, output 65 VAC.

**All power supply units have CE certificates.**



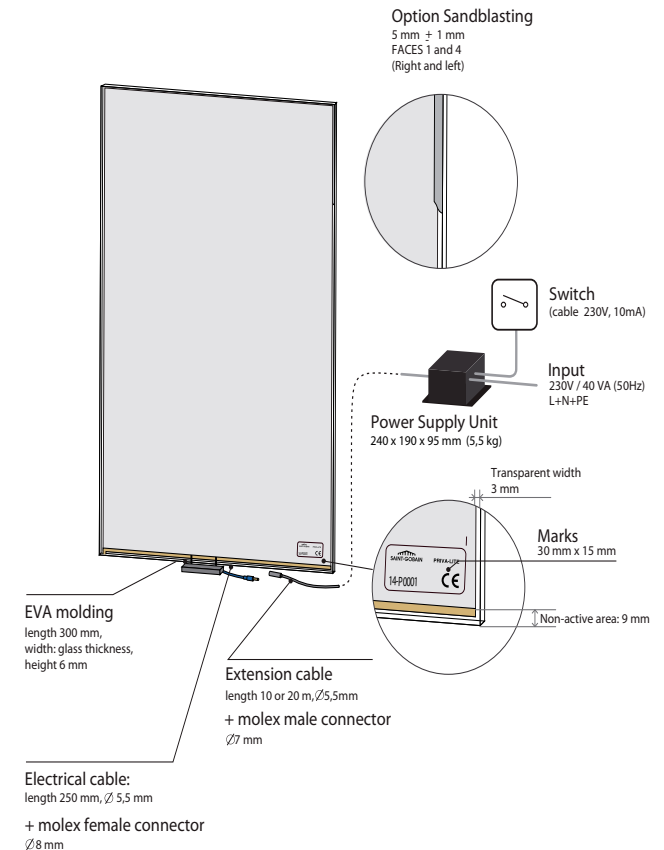
## ELECTRODES AND CABLE EXIT

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.

## SHAPES

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

## PRIVA-LITE®



## CURVED GLASS

PRIVA-LITE® CLASSIC is available as a bent glass. Max. radius 2000 mm, max. glass dimension 1000 x 3000, deflection ≤ 60 mm.

PRIVA-LITE® XL is available as a bent glass. Max. radius 2000 mm, max. glass dimension 1500 x 3000, deflection ≤ 60 mm.

	PRIVA-LITE® CLASSIC		PRIVA-LITE® XL	
	ON	OFF	ON	OFF
Light transmission*	77%	76%	77%	76%
Light reflection*	19%	18%	19%	18%
Haze (level of blur)*	5.7	90%	6.0	90
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)	37 (-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%.

\*\* Standard/Acoustic.

#### CLAUSE OF PARTICULAR TECHNICAL SPECIFICATIONS

Glazing product with controlled opalescence can be made transparent by applying a 100V AC electrical current for PRIVA-LITE CLASSIC and 65 AC electrical current for PRIVA-LITE XL with both a haze level of 7,5% in its transparent state and 90% in its translucent state.

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

	PRIVA-LITE® CLASSIC	PRIVA-LITE® XL
Operating voltage	100 V (50 Hz)	65 V (50 Hz ~ 60 Hz)
Power	7 W/m² when <<ON>> 0 W/m² when <<OFF>>	5 W/m² when <<ON>> 0 W/m² when <<OFF>>
IP	IP X7	
Security to shock	PVL 55.4 is equivalent to a laminated glass (EN 12600, poziom 1B1)	
Protection class	PVL 55.4 is P5A - PVL 66.8 is 1B1	
Electrical classification	Class I (Class II under conditions) (EN 60439)	
Standards and certification	CE certification; DoP and UL certification on demand	

#### WARRANTY

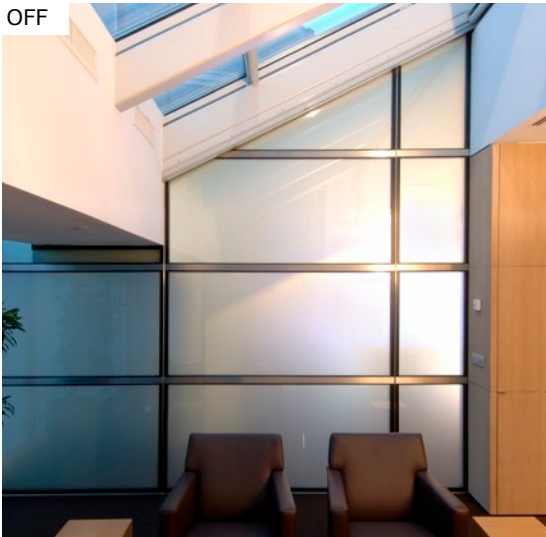
**GLASSOLUTIONS** gives a 5-year warranty on the functionality of the PRIVA-LITE®. This guarantee is valid only if the instructions contained in our installation and maintenance guide are followed.



ON



OFF



## INSTALLATION

### TYPE OF FRAME/ MOUNTING

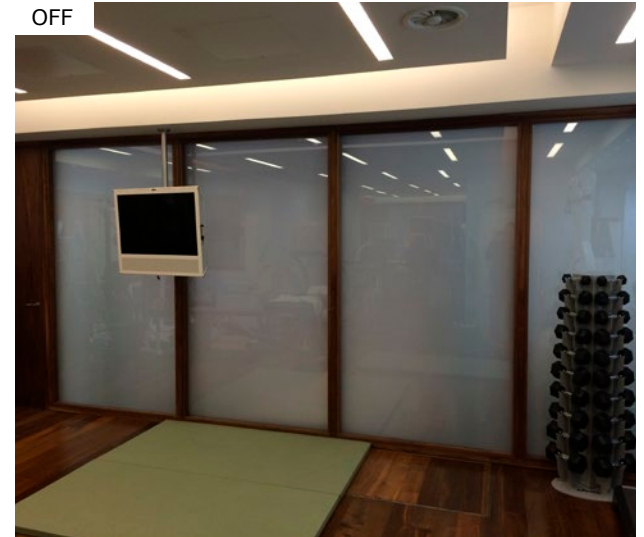
- Fixed, opening or sliding frame.
- Possible to hang (suspension holes in zone without LC film).
- Use only untreated hardwood support blocks (packers).
- Only the Multisil silicone (provided by GLASSOLUTIONS) may come into contact with the glass edges.
- Any material in contact with the edges of the glass must be checked by GLASSOLUTIONS for compatibility.
- Prevent all pressure on the surface of the panel, over the moulding and the cables.
- The power supply unit can be located remotely, but must remain accessible (maintenance).
- PRIVA-LITE can be simply controlled by a standard switch. A waterproof resistant switch and a remote control are proposed by GLASSOLUTIONS.
- The installation has to respect the current electrical regulations and must be performed by a electrician.

**To guarantee the quality and durability of the installation, it is strongly recommended to entrust the installation to a trained GLASSOLUTIONS installer.**

ON



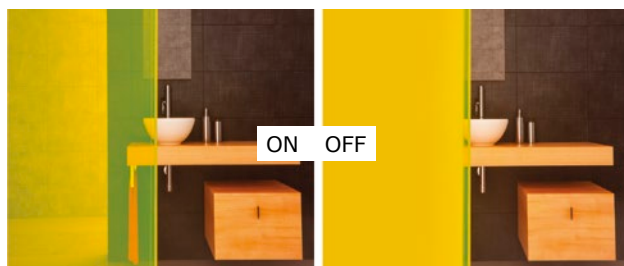
OFF



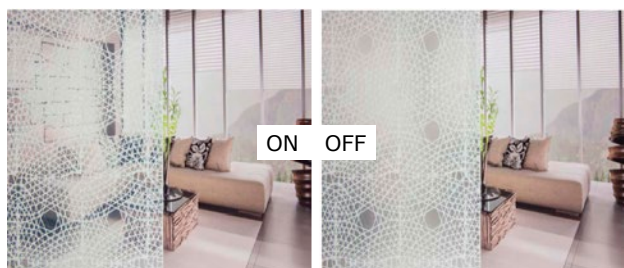
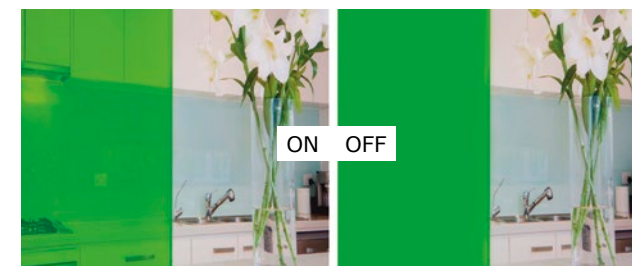
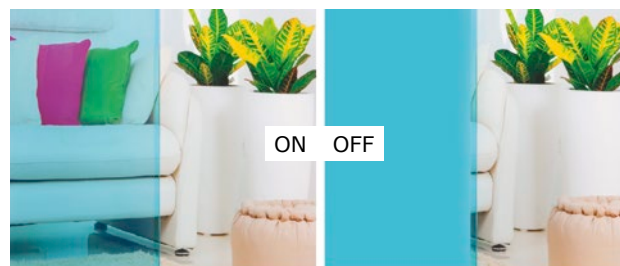




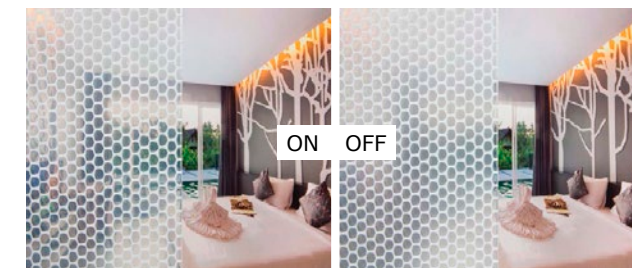
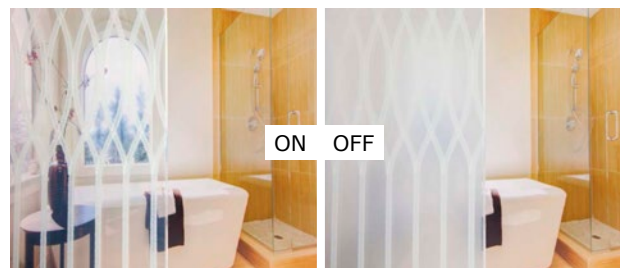
## ASSORTMENT



**PRIVA-LITE® COLOR** – glass laminated with colour films (12 colours available).



**PRIVA-LITE® TEXGLASS** – glass laminated with fabrics or metal mesh.



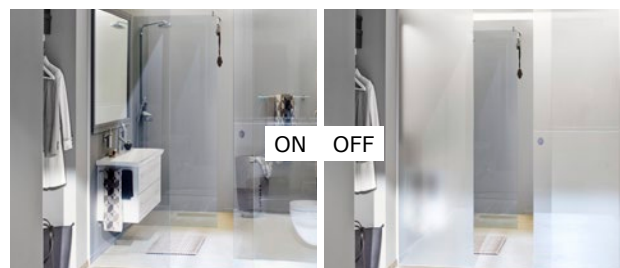
## OTHER:

**PRIVA-LITE® PRE-FRAMED** – DIY set – consists of glass, frame and electrical accessories.

**PRIVA-LITE® DOOR SYSTEM** – system of framed or pivotal doors.

**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).



**PRIVA-LITE® SLIDING DOOR SYSTEM** – system to slide manually.

ON

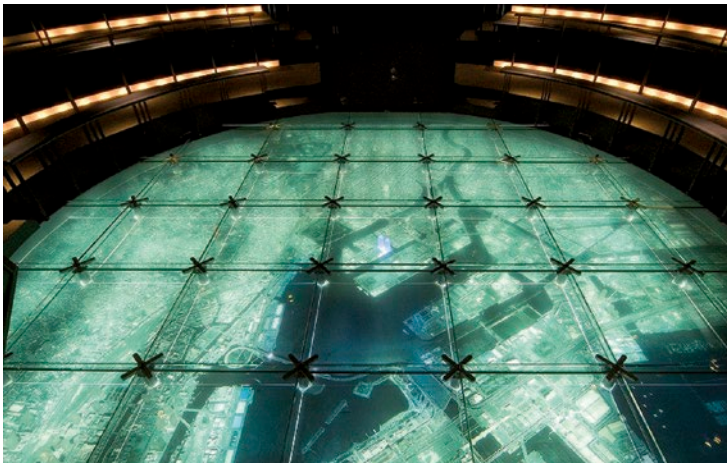


Partition and door system

OFF

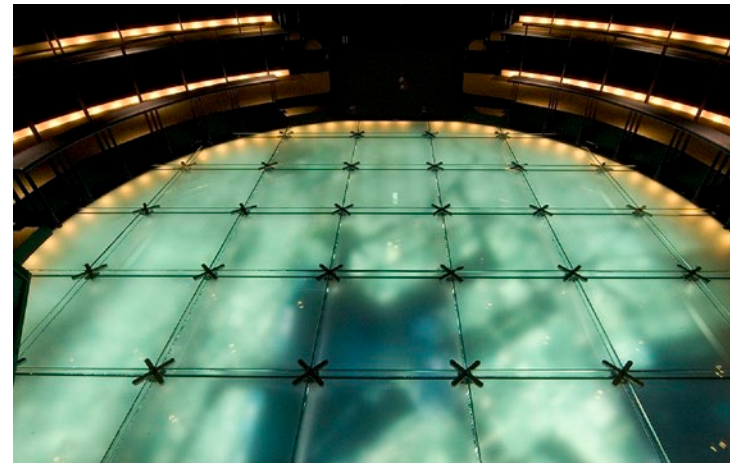


ON



Interactive floor

OFF





ON



Partition and door system

OFF



ON



Partition and door system

OFF





Contact:

[www.glassolutions.pl](http://www.glassolutions.pl)

[www.saint-gobain-glass.pl](http://www.saint-gobain-glass.pl)

**SAINT-GOBAIN Group is the largest processor, distributor and installer of glass and glazing systems in Europe.**

Based on its experience and potential for innovations, Saint-Gobain - the world leader on the construction-related markets - creates, produces and distributes construction materials, offering innovative solutions meeting the key challenges of our times. We are constantly working to improve established glass and glazing products while at the same time delivering genuine innovations that enable architects and designers to rethink how they use glass.