



PRIVA-LUM®

PRIVACY GLASS



At Lumi, we are all about glass.



Switchable Privacy Glass



Turned ON



Turned OFF

The Ultimate WOW Factor

The ultimate option for our bi-folds, patio doors and aluminum windows is switchable glass. This special glass can change from translucent to transparent with just a flick of a switch or a press of a button.

- **Blinds and curtains are not necessary** - keeping the clean lines of your windows and doors.
- When switched to clear the glass provides unobstructed views through the glass, unlike blinds where the slats are still visible.





Turned OFF

Turned ON

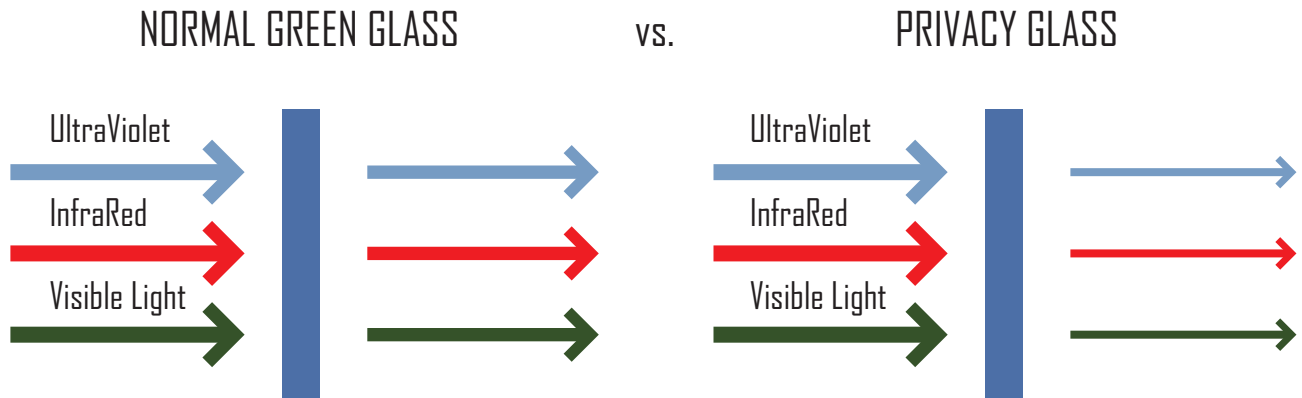
Other Benefits:

- Switch operation and / or remote control. **Glass could be switched under timer control for security.**
- Can be incorporated into home automation systems.
- Switchable glass actually reduces noise compared to ordinary double glazed sealed units.
- **No moving parts, no clutter, no shape problems.**
- Switching performance is rigorously tested and guaranteed for ten years.
- Tint gives clean look which controls glare from direct sunlight.
- **Pre-wired units with simple connections** for easy on site fitting.

Facts

Response Time	the response time from translucent to clear is approx.1/1000 sec. and from clear to translucent can be achieved in approx.1/100 sec.
Liquid Crystal Sheet Size	With continuous research and development efforts of our leading and well-respected supplier, Liquid Crystal sheets are now available in a size up to 39" x 120", or 990 x 3048mm making expanded applications possible in many fields.
Low power consumption	The electrical power required to operate the switchable light control is only .32W/sq ft. (3.5W/sq meter) and no special maintenance is also required. Thus, the tremendous benefits of the material are realized at a very inexpensive operating cost.
	Laminated glass and plastics composition provides an added safety and durability feature

Value Added Automotive Glass



Normal Green Glass



Privacy Glass

Benefits.

- **Decreases the thermal load on air conditioning system**
- High Clarity in the ON state
- Introducing coloured components into laminated glass
- **Penetration of various light rays are reduced**

Technical Diagram of PLG

