

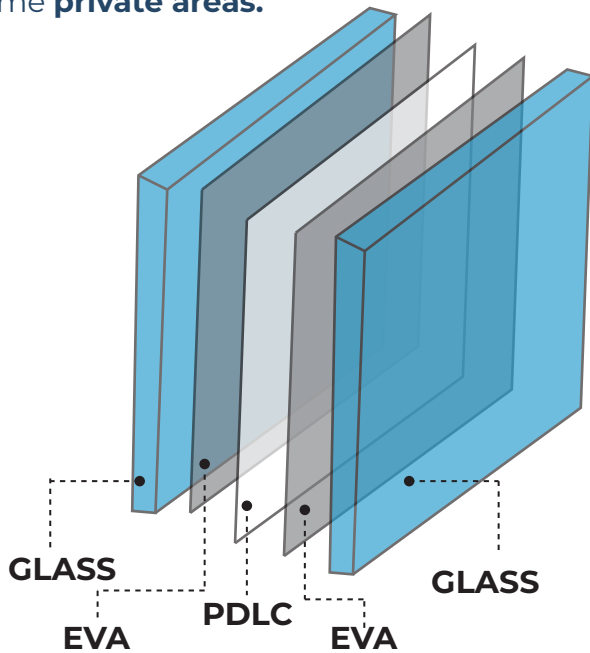
SWITCH IT PRIVACY GLASS



PDLC

(Polymer Dispersed Liquid Crystal)

Is a **material** that allows spaces with **transparent** glass to become **private areas**.



Manufactured **in-house** with **advanced European** technology.



Privacy

Quick Privacy or Transparency



Smart Glazing

High Transparency



Acoustic Insulation



Thermal Insulation

Increased U-Value



Laminated Glass

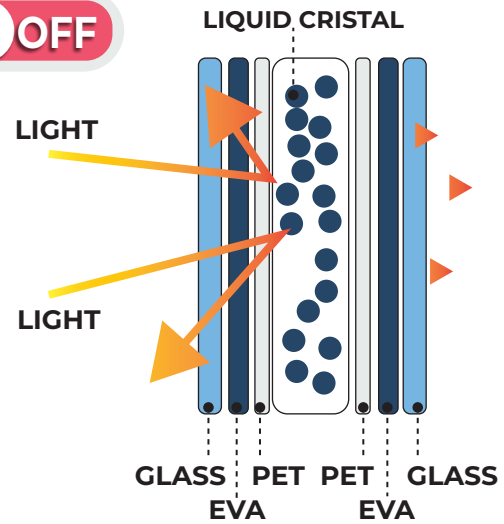
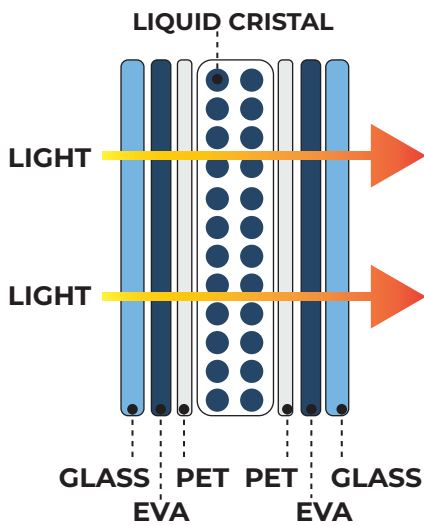
Structural Integrity, Safety & Anti-Intrusion Glazing



Transformer Special For Smart Glass

100W (Remote Control)
Input: AC110V 50Hz
Output: AC48V /2A (Max)

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By applying an **electrical** current, the molecules inside the *liquid crystal* align so that **light** can travel **through it**.

When the current is **interrupted**, the molecules distribute *randomly inside* the glass to provide **instant privacy**.



This technology can be fully integrated into automated systems and controlled using a remote, smartphone, or tablet. Laminated PDLC is suitable for a wide range of architectural and decorative applications.

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IMPORTANT CONSIDERATIONS

- Maximum size 60" rolls
(Each lite will have a minimum of 2 busbars. One positive and one negative, up to 96")
- 3/16" Edge deletion on all sides
- One-year Standard laminated Warranty
- It must be fully captured in a frame
- Must be laminated with an EVA interlayer
(.030 EVA - PDLC - .030 EVA) O/A .070 +/-



ECC REGULATION OF LAMINATED GLASS FOR OUTDOOR GLAZING

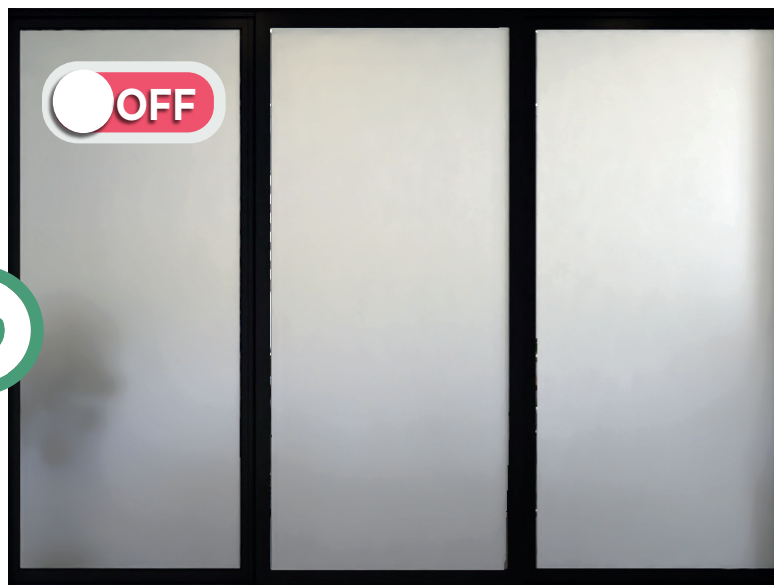
- RADIATION TEST UNE-EN ISO 12543-4:2011
- HUMIDITY UNE-EN 12543-4:2011
- HIGH TEMPERATURE UNE-EN 12543-4:2011
- ON AND OFF CYCLES UNE-EN 410:2011
- COMPATIBILITY TEST SILICONES



PRODUCT BENEFITS

- Life cycle certifications of more than 100,000 ON/OFF
- Fast reaction less than a second
- Replaces the use of curtains or blinds
- Environmentally friendly, low energy consumption
- Easy adaptation to any control system: home automation, iPhone, iPad, motion sensor, remote control.
- No maintenance, clean as a normal glass
- Thermal gains in summer or winter
- External Sound Isolation

**Any additional fabrication must be reviewed before quoting.*



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TECHNICAL DATA

THICKNESS	MM	0.4 +/- 5%	INCH	1/64 +/- 5%
WIDTH	MM	1800 1500 1200 1000	ft.	5' 10" 4' 11" 3' 11" 3' 3"
LENGTH	MTS	50	ft.	164' 1/2"
COLOR	-	Transparent	-	Transparent
ADHESIVE BONDING STRENGTH	G/MM	50	lb/in	2.8
LIFE CYCLE	CLICK	> 100.000	CLICK	> 100.000
TIMES ON/OFF	TIMES	> 100.000	TIMES	> 100.000
ADHESION STRENGTH	MM	50	INCH	1 15/16"
VISIBLE LIGHT TRANSMITTANCE ON	%	> 78	%	> 78
VISIBLE LIGHT TRANSMITTANCE OFF	%	> 68	%	> 68
PARALLEL LIGHT TRANSMITTANCE ON	%	> 76	%	> 76
PARALLEL LIGHT TRANSMITTANCE OFF	%	< 1.5	%	< 1.5
HAZE ON	-	6.01	-	6.01
HAZE OFF	-	90.27	-	90.27
VIEW ANGLE	-	> 175	-	> 175
WORKING VOLTAGE ON	V	48	V	48
SATURATED VOLTAGE ON	V	< 25	V	< 25
RESPONDING TIME OFF-ON	MS	< 200	MS	< 200
RESPONDING TIME ON-OFF	MS	< 10	MS	< 10
POWER CONSUMPTION ON	W/M2	5	BTU/hr-ft ²	3.06