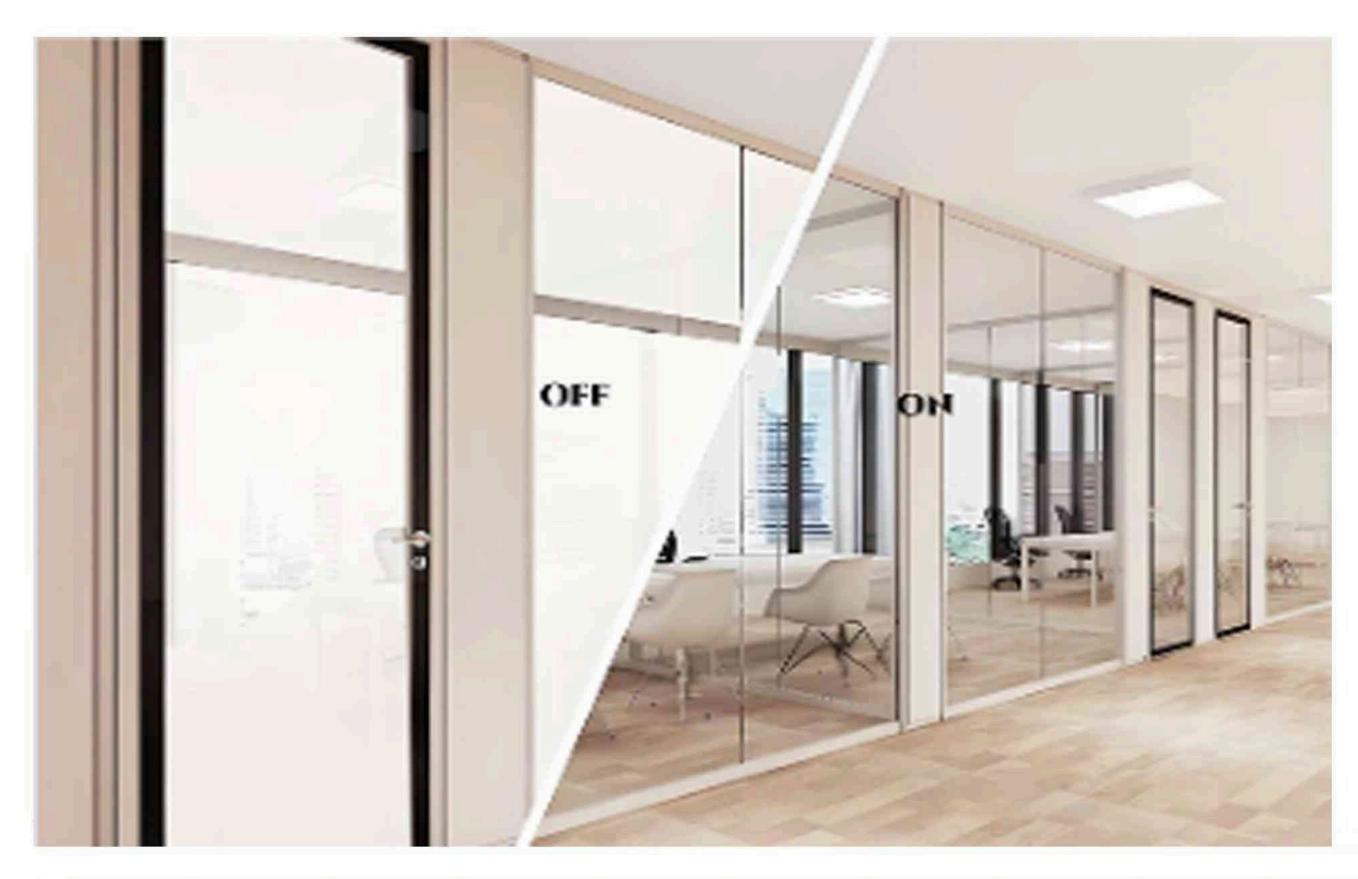


PDLC FILM

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



PDLC smart dimming film is a hightech material that can quickly switch transparency between powered and unpowered states, thereby achieving privacy protection and light control.

Features

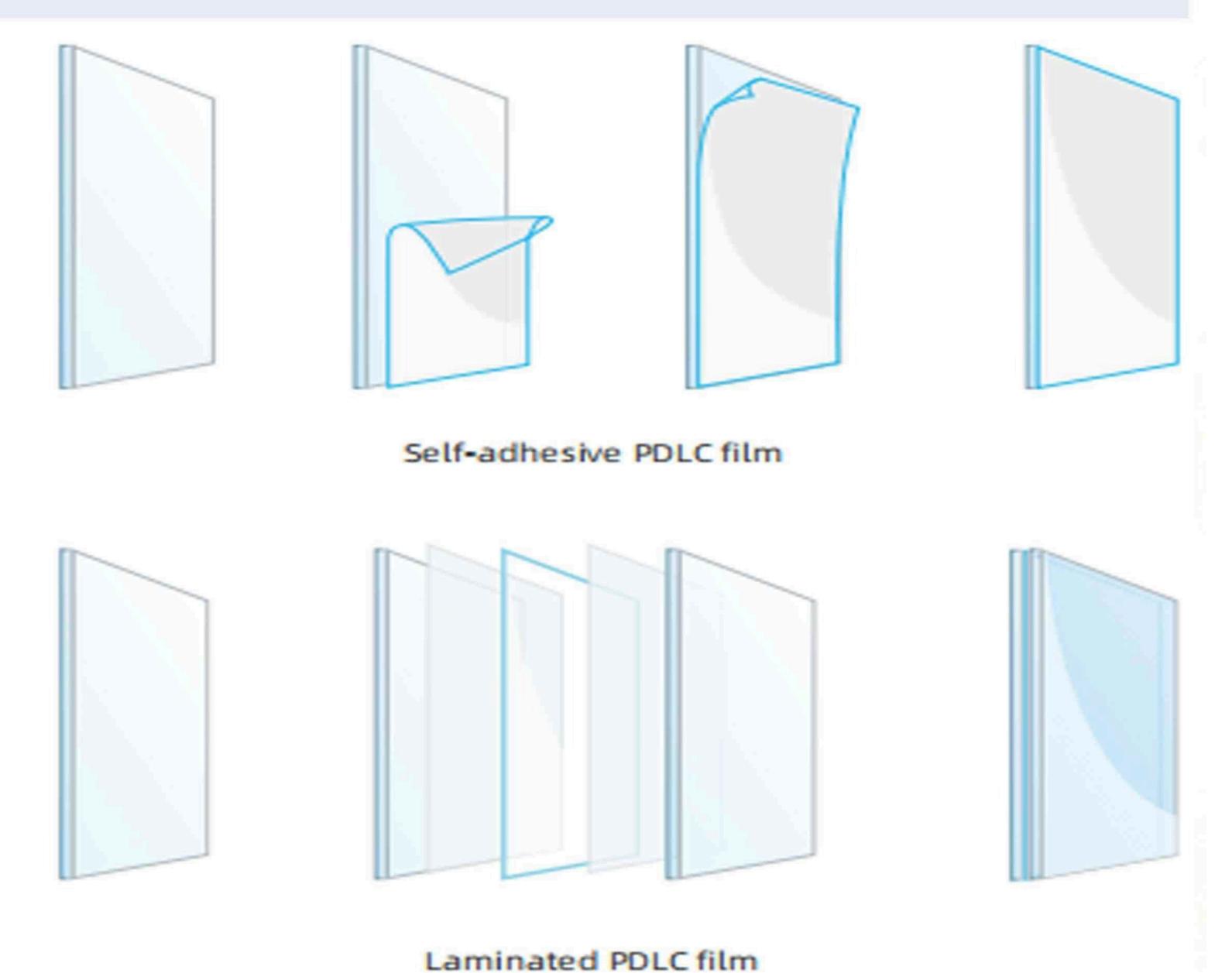
Privacy Control: PDLC smart films can quickly switch between transparent and opaque states, providing instant privacy control.

Aesthetic Enhancement: PDLC smart films add a touch of modernity and sophistication to interior decoration, and can be customized with patterns or logos to enhance brand image or aesthetic appeal.

Projection: PDLC smart films can be used as high-definition projection screens.

Two types PDLC Film

There are two types of PDLC films, self-adhesive and laminated films for front-end design and post-retrofit projects.



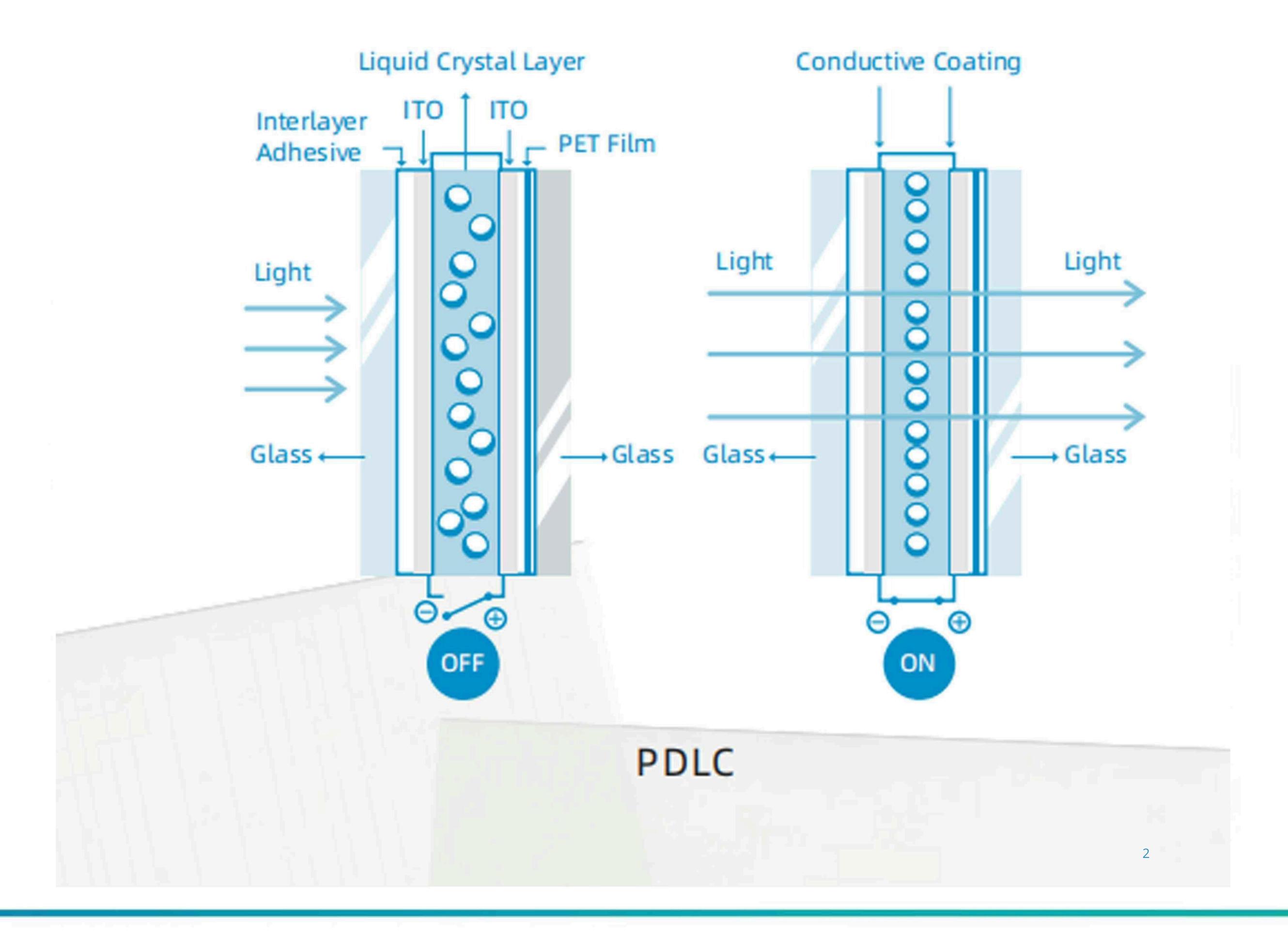


Technical Principles

PDLC (Polymer Dispersed Liquid Crystal) film is a new material electronic light cont rol product that allows the user to control the perspective of the glass and the inte nsity of the light with very little energy, by injecting a liquid crystal/polymer hybrid material injected in the middle of two transparent conductive films.

PDLC film in the absence of an electric field, the electronically controlled PDLC FILM is in an opaque state.

When an alternating current is applied, the liquid crystal molecules are arranged in an orderly manner, at which point the PDLC film changes from an opaque state (OFF) to a transparent state (ON).

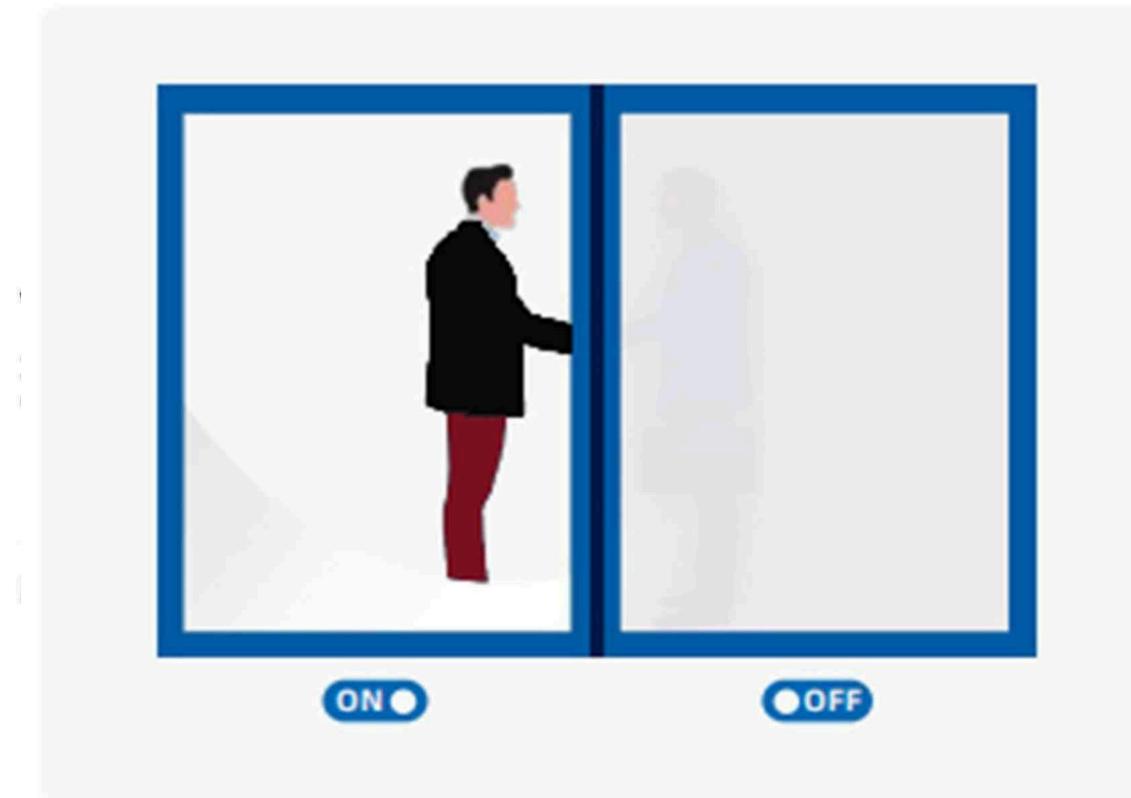




PDLC FILM

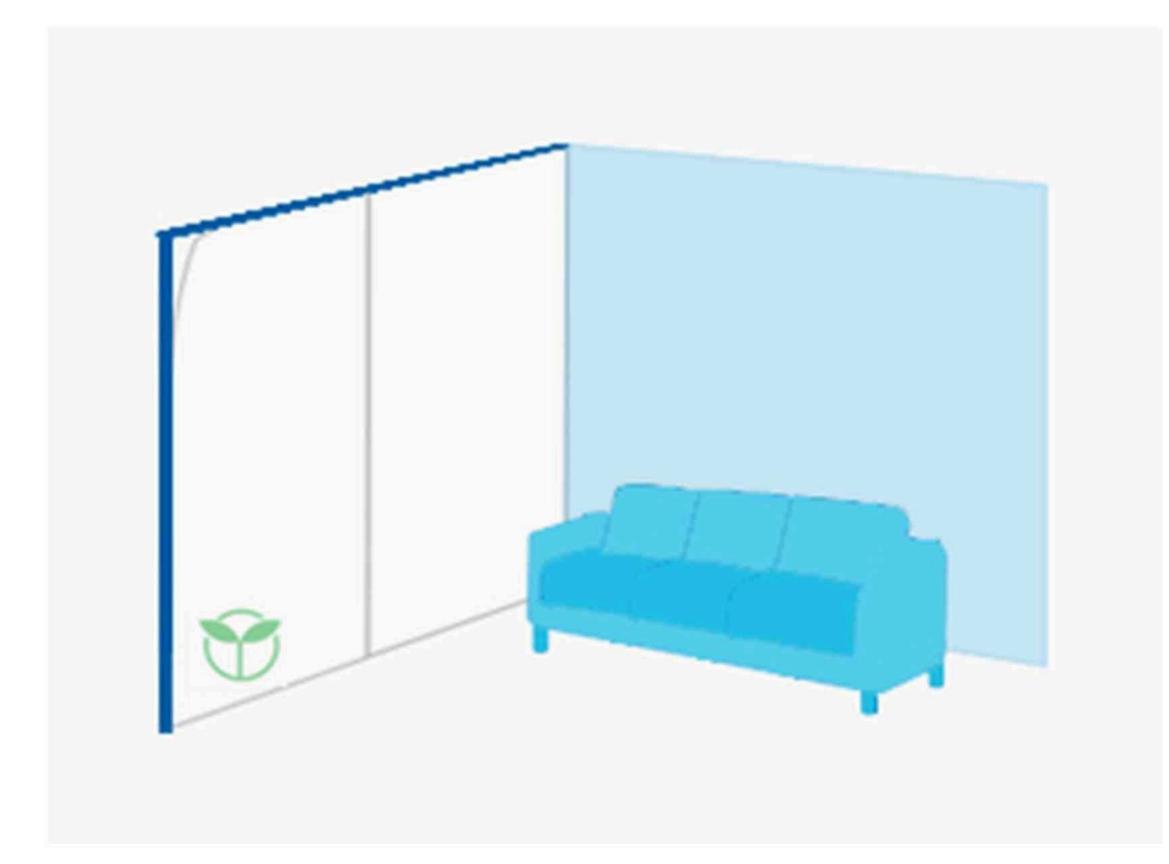
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Characteristics: PDLC film



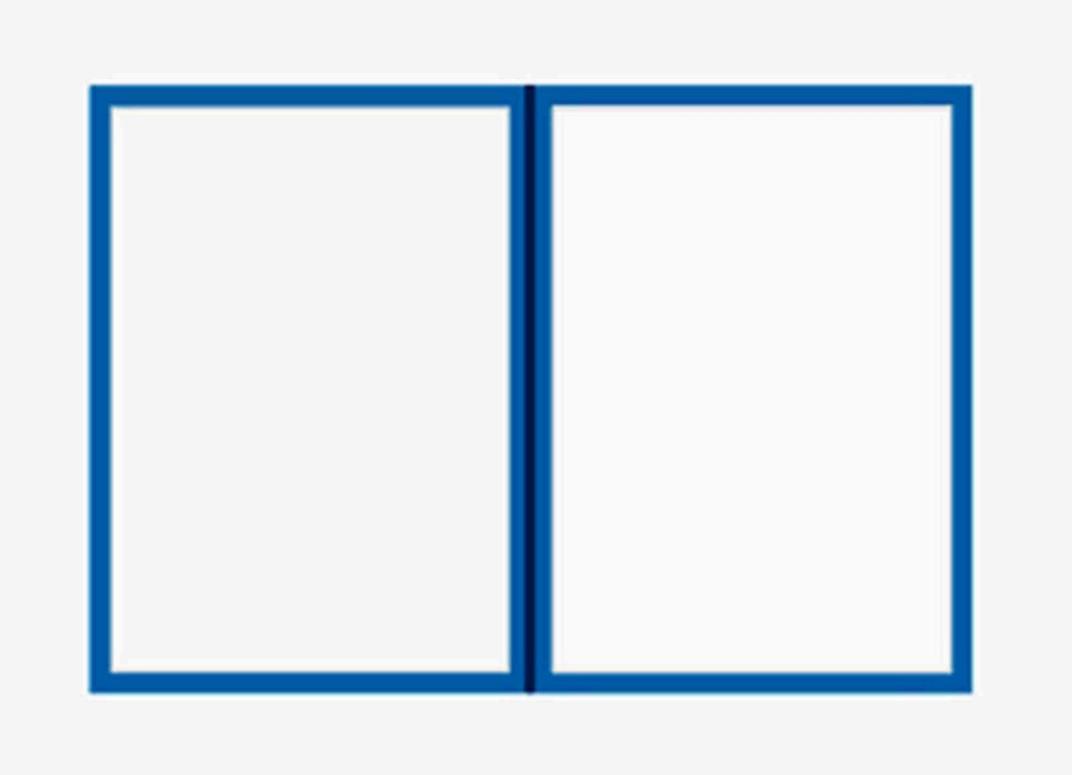
Privacy protection

To ensure privacy and security, you can freely adjust the transparency. Make your space more flexible and versatile, freely choosing between open or private.



Environmental protection

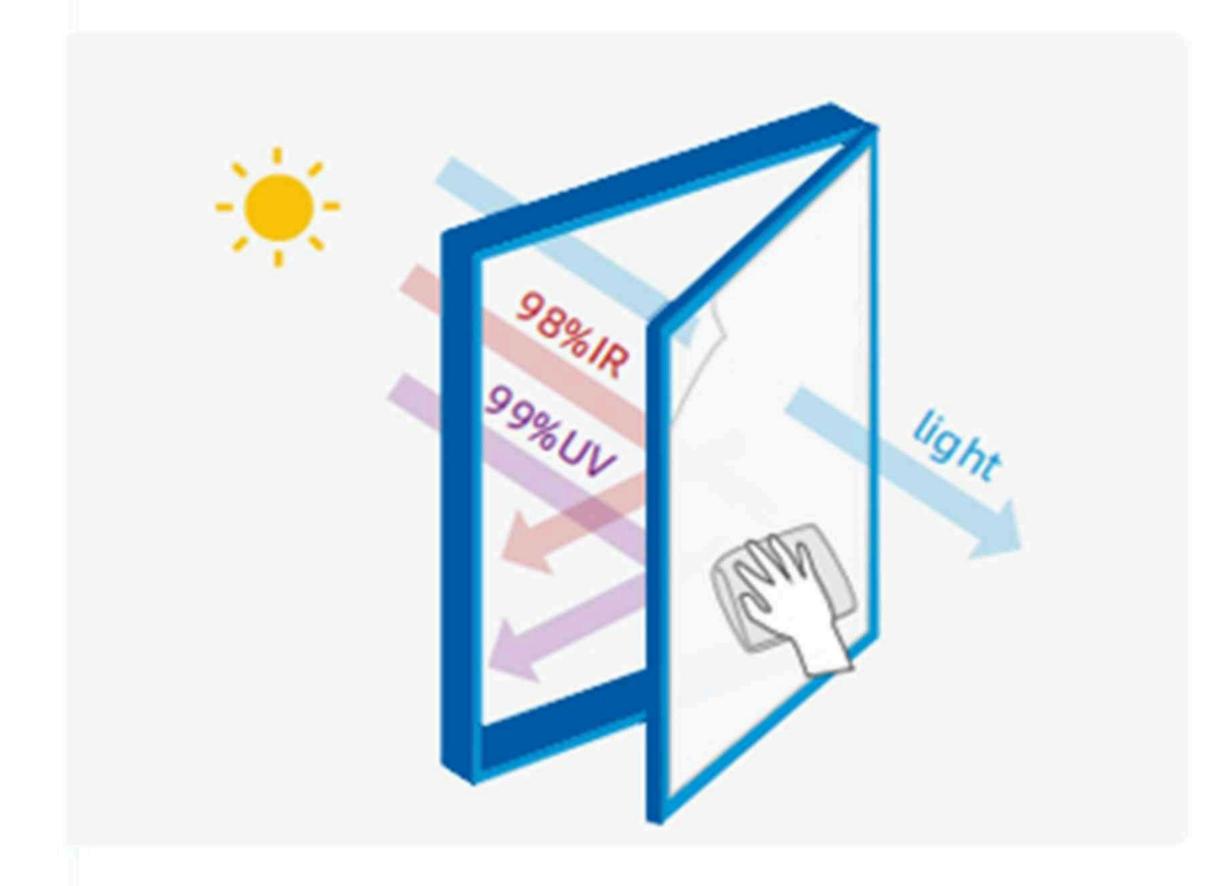
Installing PDLC film can significantly minimize the wear and tear on decorations, thereby reducing pollution and safeguard ing the environment more effectively.



Security

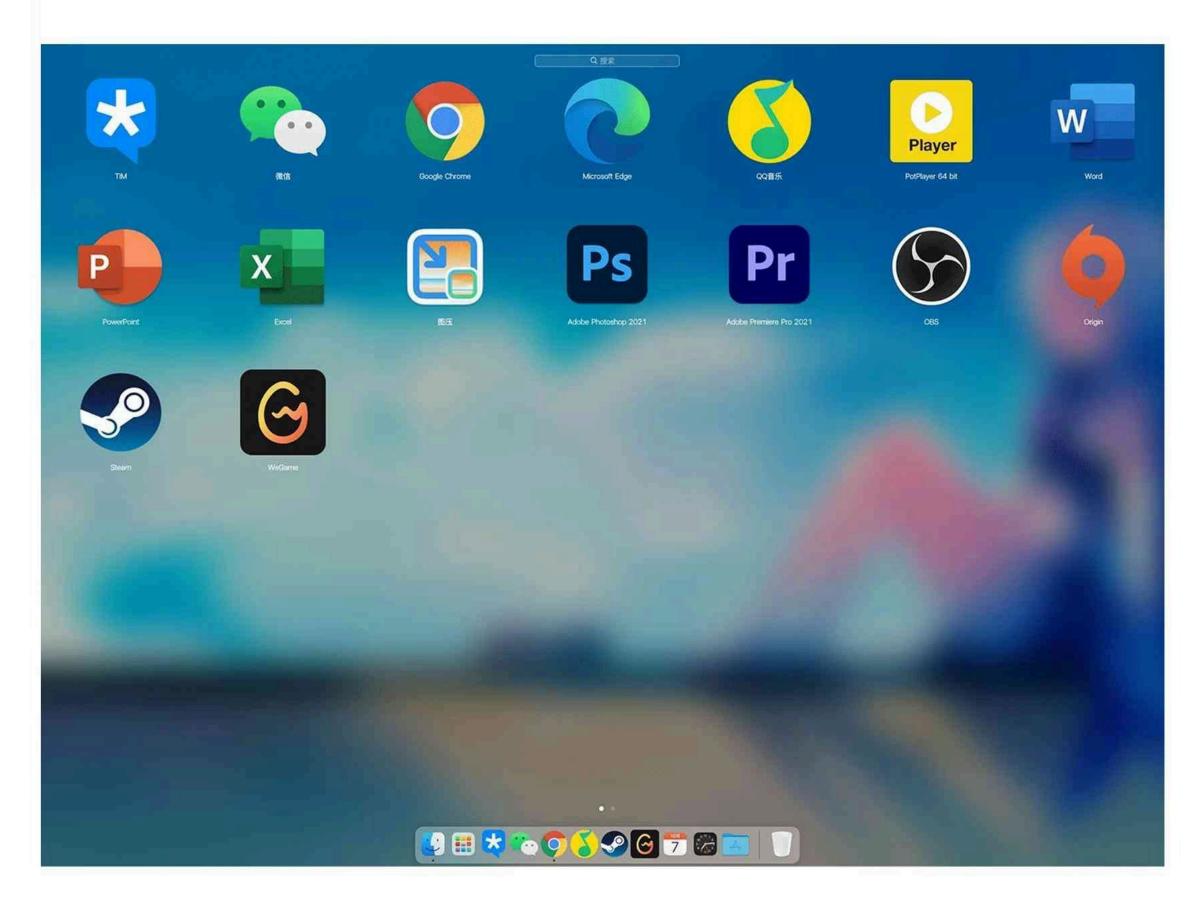
In the event of glass shattering, the PDLC film can retain the broken pieces, prevent ing injuries that might be caused by flying glass shards.





Heat-resistant and anti-scratch

The product operates up to 105°C and has an anti-scratch layer to protect against scrat ches without impairing visibility.



Touch screen and projection

With a high-definition projector, you can easily achieve a 180° viewing angle and 4K resolution display. It also supports multi-touch and video interaction with a radar.



Anti-noise

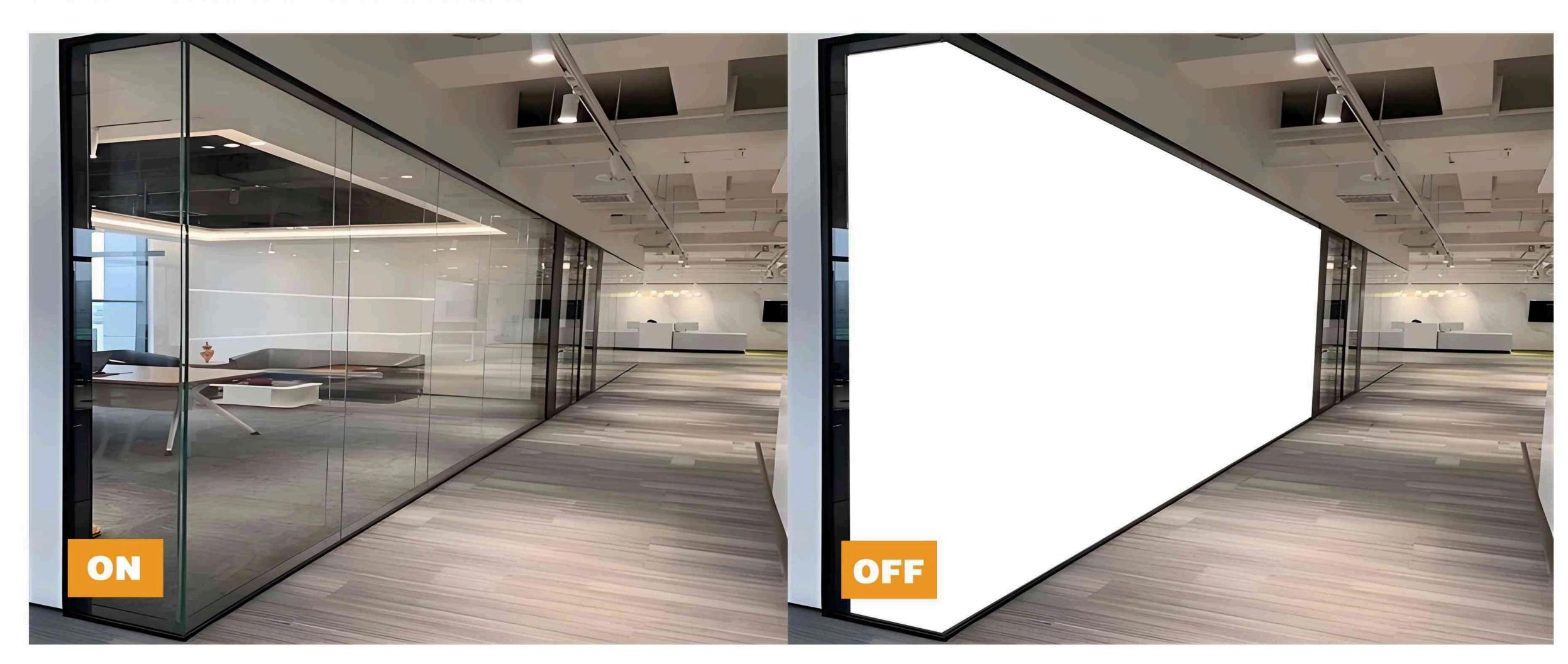
Aysent PDLC film-enhanced glass boasts a 20% improvement in noise reduction capa bilities compared to standard glass.



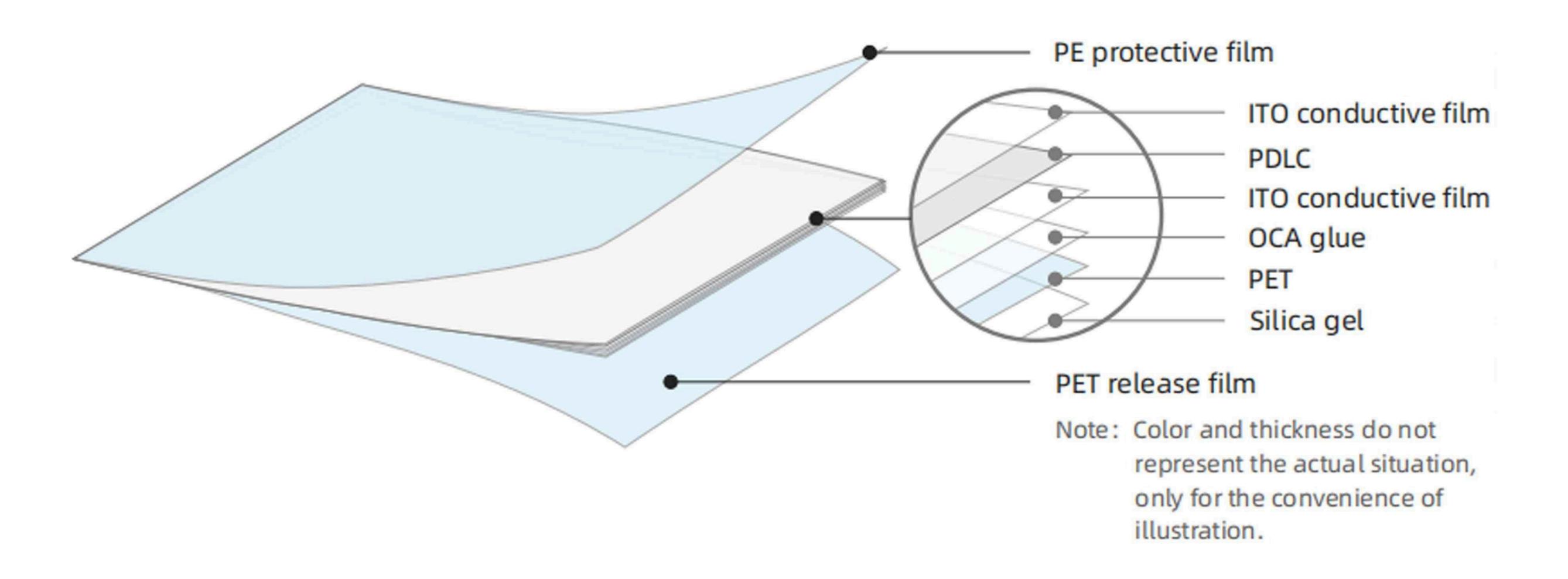


VS-90 (Adhesive PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



This multifunctional film is suitable for offices, meeting rooms, museums, and other places, combining transparency, privacy, partitioning, and projection capabilities, i deal for environments that require integrated visual and spatial management.



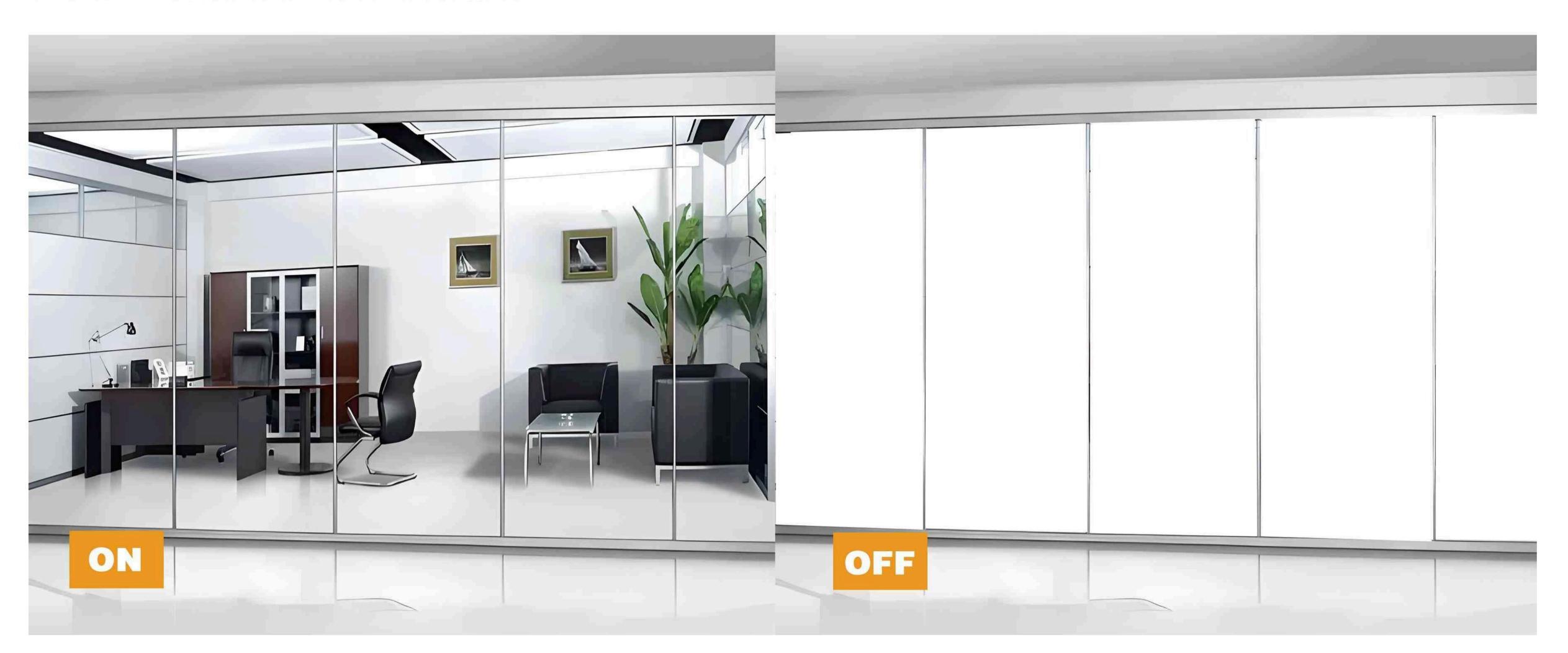


Product Testing Details				
Rated voltage	ON	Volt 60		
Power consumption	ON	VA/m²	3.7	
Davella lielet transmittanas	ON	%	84.27	
Paralle light transmittance	OFF	%	75.8	
T11 1: -1-4 4	ON	%	90	
Full light transmittance	OFF	%	18	
	ON	%	3.13	
Haze	OFF	%	100	
Film thickness	/	mm	0.47	
T. C	ON %		11	
Infrared blocking rate	OFF %		75	
TT 11 1 .	ON %		98	
Uv blocking rate	OFF %		98	
	OFF→ON ms		≤60	
Response time	ON→OFF	ms	≤20	
Operating temperature	/	°C	-20~85	
Life-span	/	year	More than 100000 hours	
Warranty period	/	year	2	
Product Size	Adhesive PDLC film (rolls)	Width: 1.0	m/1.2m/1.5m/1.8m	
I TOUUCE SIZE	Adhesive PDLC film (sheet)	Width: ≤1.8m		
	Adhesive PDLC film (rolls)	50m		
MOQ	Adhesive PDLC film (sheet)	0.5 m² ₅		

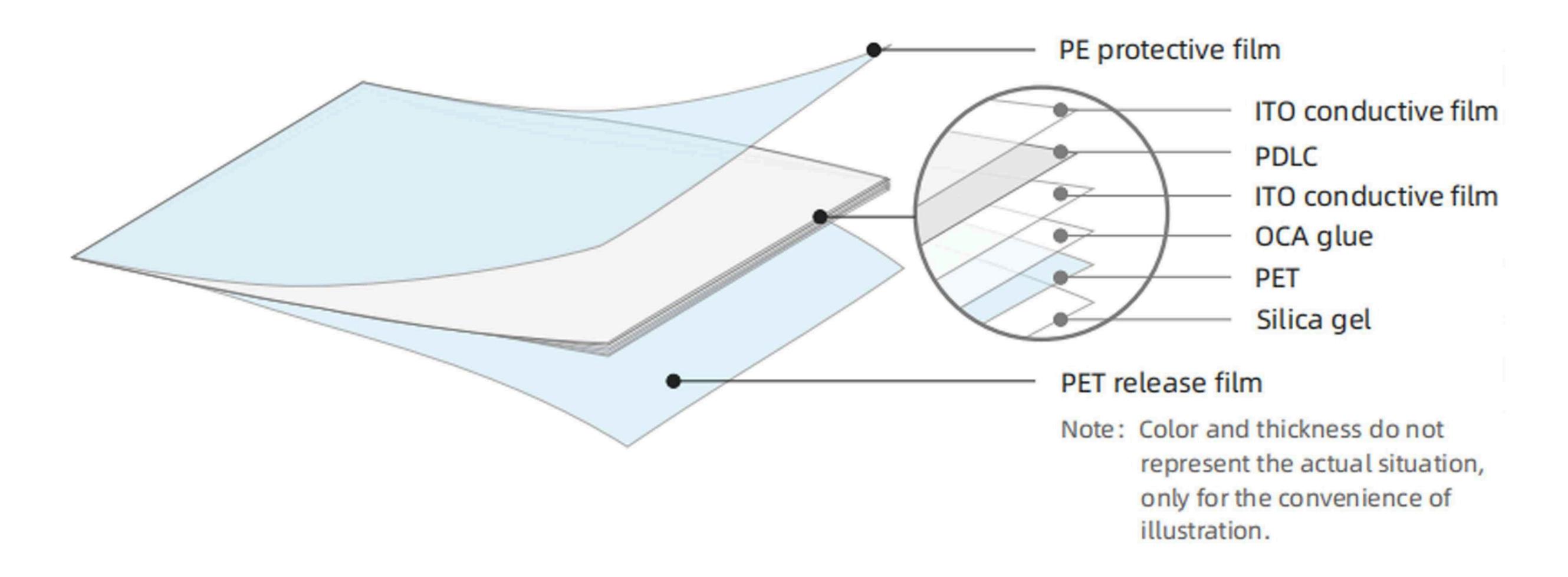


VS-92 (Adhesive PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



This all-in-one film is designed for versatile use in various settings such as offices, conference rooms, and museums. It offers a combination of clear visibility, privacy, room division, and the capacity for projection, making it ideal for spaces that neces sitate a unified approach to visual and spatial management.



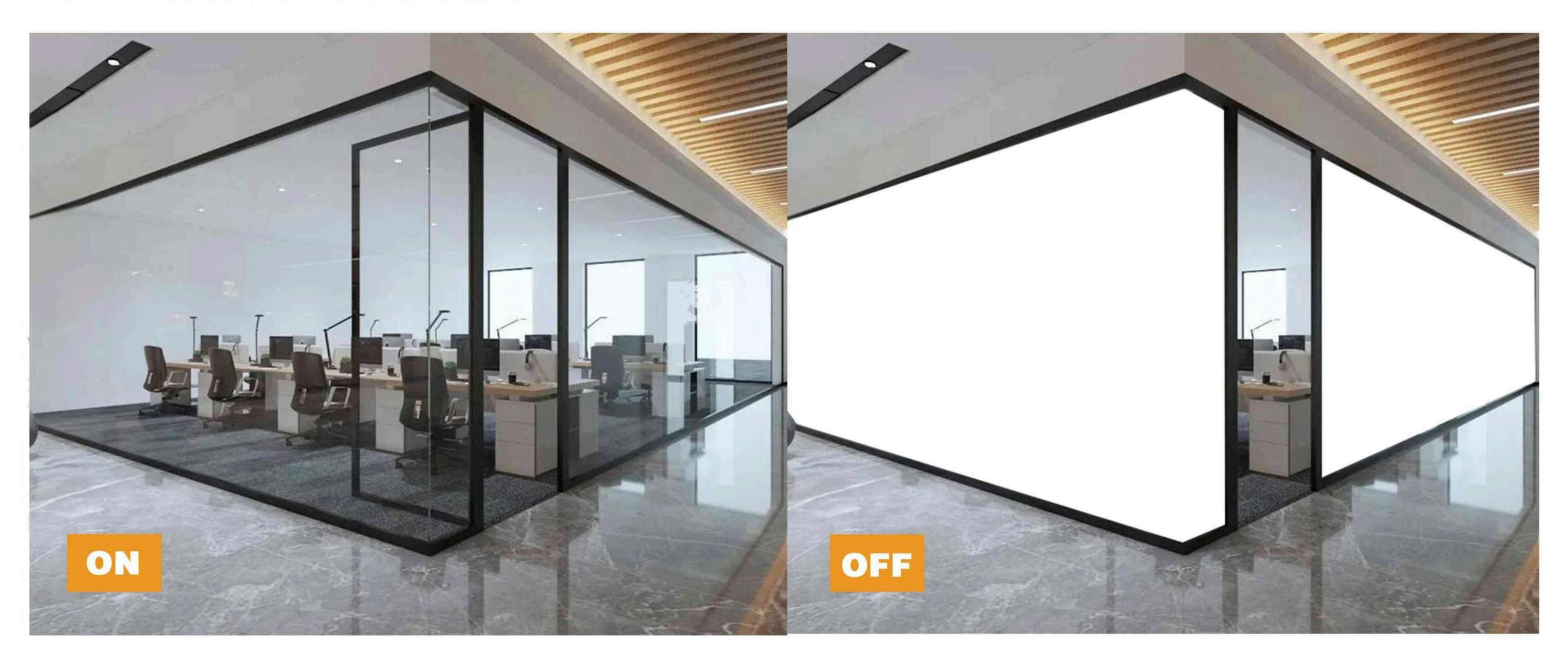


Product Testing Details					
Rated voltage	ON	Volt	48		
Power consumption	ON	VA/m²	3.7		
	ON	%	88.15		
Paralle light transmittance	OFF	%	79.7		
T11 1: -1-4 4	ON	%	92		
Full light transmittance	OFF	%	25		
TT	ON	%	2.96		
Haze	OFF	%	99.7		
Film thickness		mm	0.47		
TC	ON	%	12		
Infrared blocking rate	OFF	%	70		
TT 1-1	ON	%	99		
Uv blocking rate	OFF	%	98		
Th	OFF→ON	ms	≤60		
Response time	ON→OFF	ms	≤20		
Operating temperature		°C	-20~85		
Life-span	/	year	More than 100000 hours		
Warranty period		year	2		
Product Size	Adhesive PDLC film (rolls)	Width: 1.0m/1.2m/1.5m/1.8m			
1 TOddet Size	Adhesive PDLC film (sheet)	Width: ≤1.8m			
2400	Adhesive PDLC film (rolls)	50m			
MOQ	Adhesive PDLC film (sheet)	0.5m²			

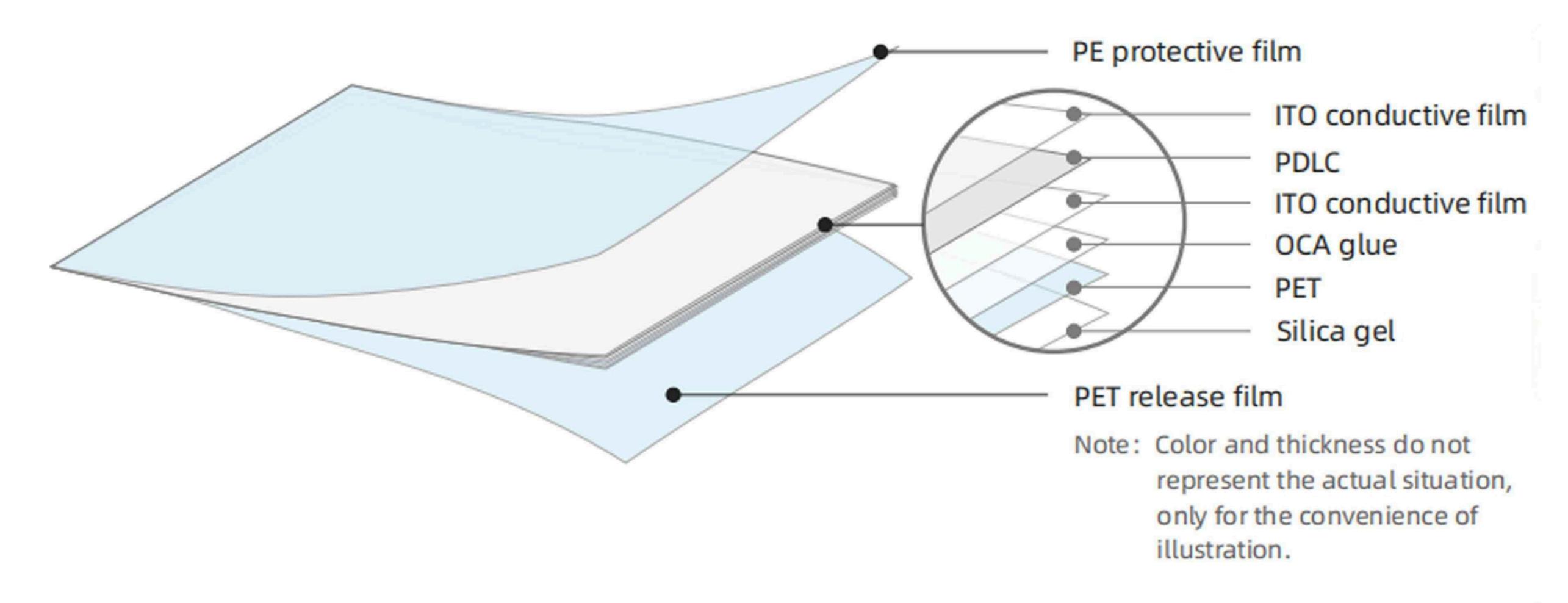


VS-94 (Adhesive PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



This adaptable film is well-suited for a variety of settings including offices, meeting spaces, and museums. It provides a multifaceted solution that includes clear transp arency, privacy options, room dividers, and the ability to project images, making it an optimal choice for areas that need a cohesive management of visual and spatial elements.



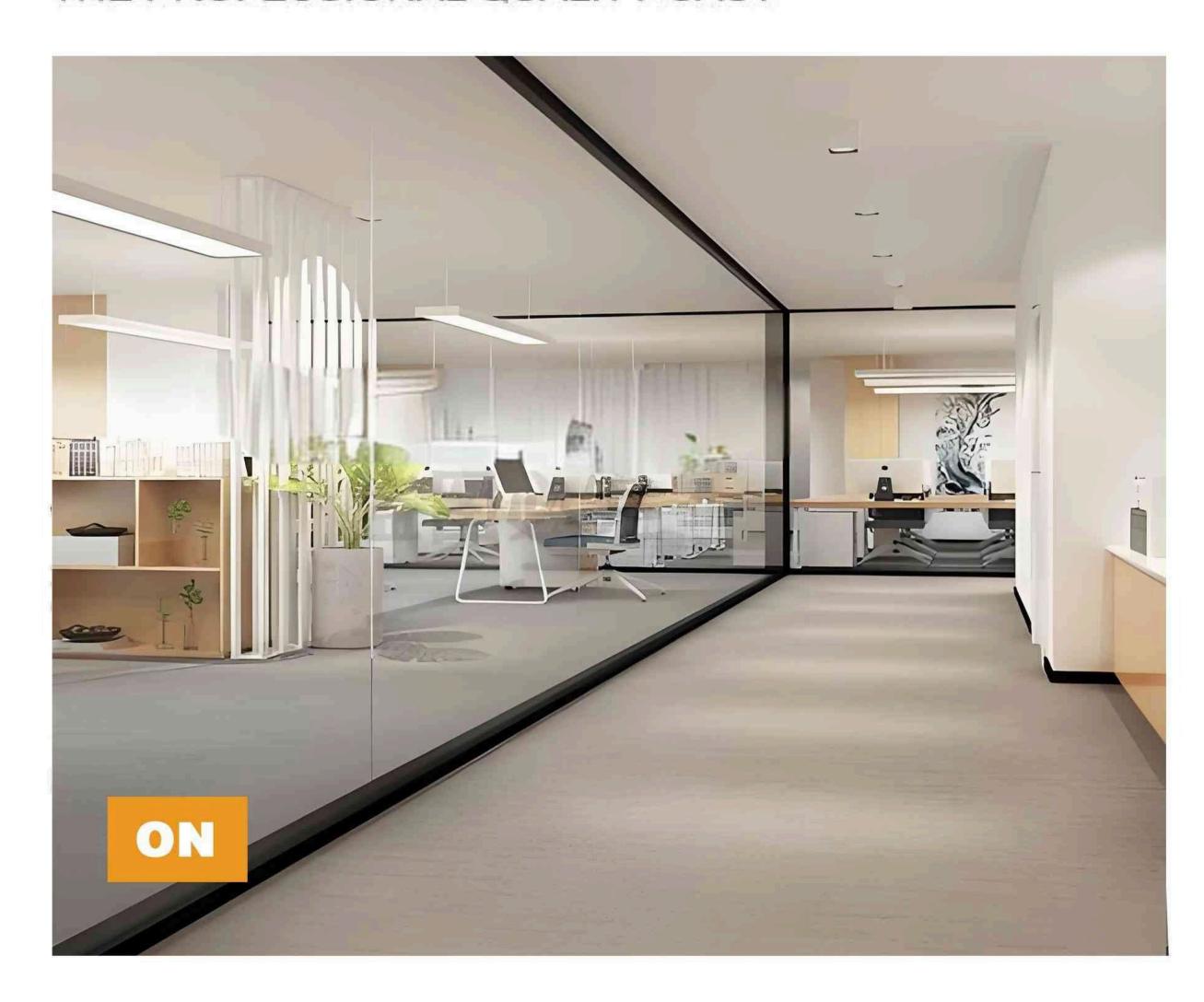


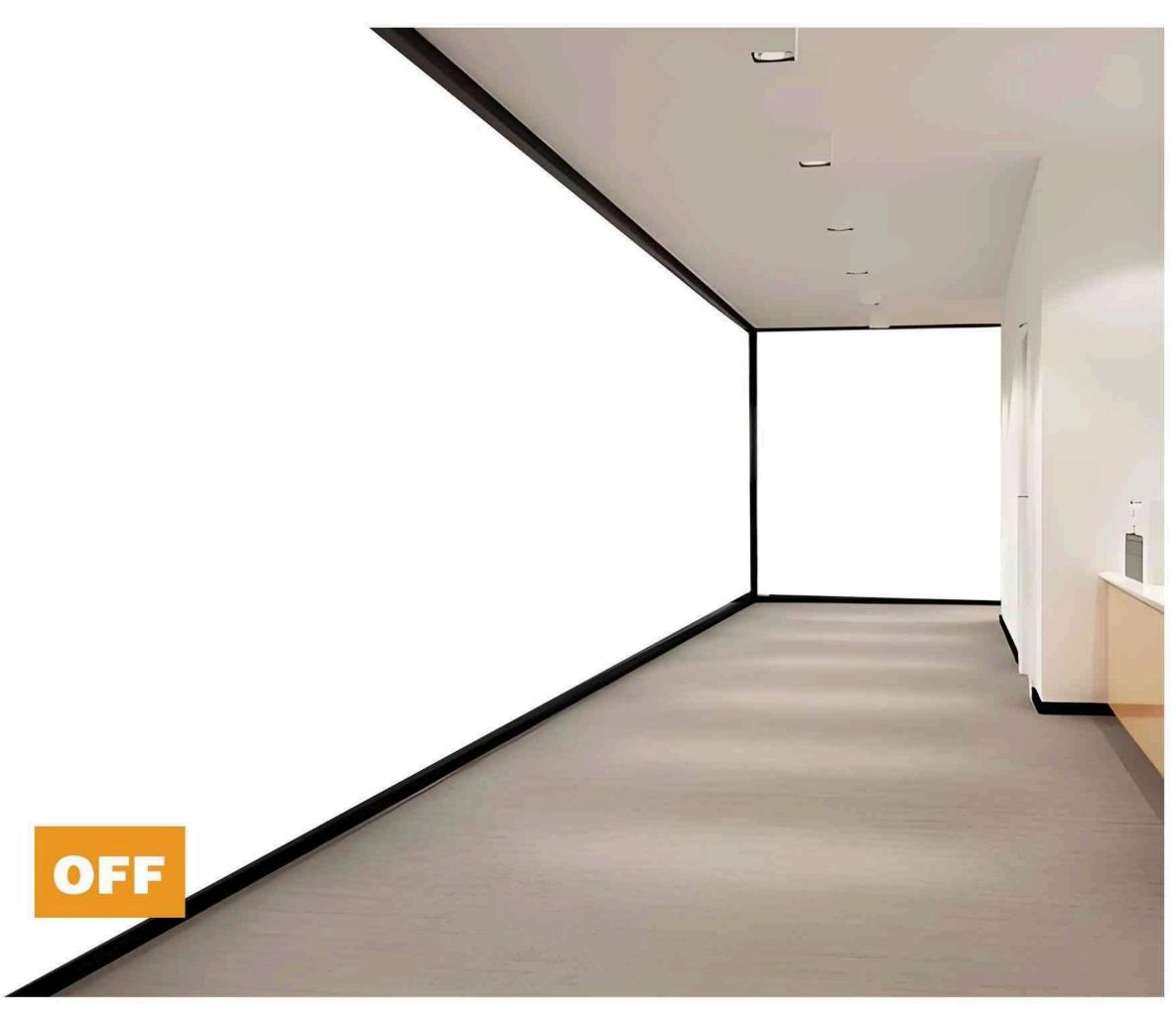
Product Testing Details					
Rated voltage	ON	ON Volt 60			
Power consumption	ON	VA/m²	3.7		
Davella lielet teamonittana	ON	%	92.07		
Paralle light transmittance	OFF	%	71.4		
T11 1:-1-4 4	ON	%	94		
Full light transmittance	OFF	%	18		
	ON	%	2.29		
Haze	OFF	%	100		
Film thickness	/	mm	0.47		
T.C. 111 1.	ON %		11		
Infrared blocking rate	OFF %		75		
TT. 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	on %		99		
Uv blocking rate	OFF %		100		
	OFF→ON ms		≤60		
Response time	ON→OFF	ms	≤20		
Operating temperature	/	°C	-20~85		
Life-span	/	year	More than 100000 hours		
Warranty period	/	year	2		
Product Size	Adhesive PDLC film (rolls)	Width: 1.0m/1.2m/1.5m/1.8m			
I TOULUCE SIZE	Adhesive PDLC film (sheet)	Width: ≤1.8m			
3.600	Adhesive PDLC film (rolls)	50m			
MOQ	Adhesive PDLC film (sheet)	0.5m² ₇			



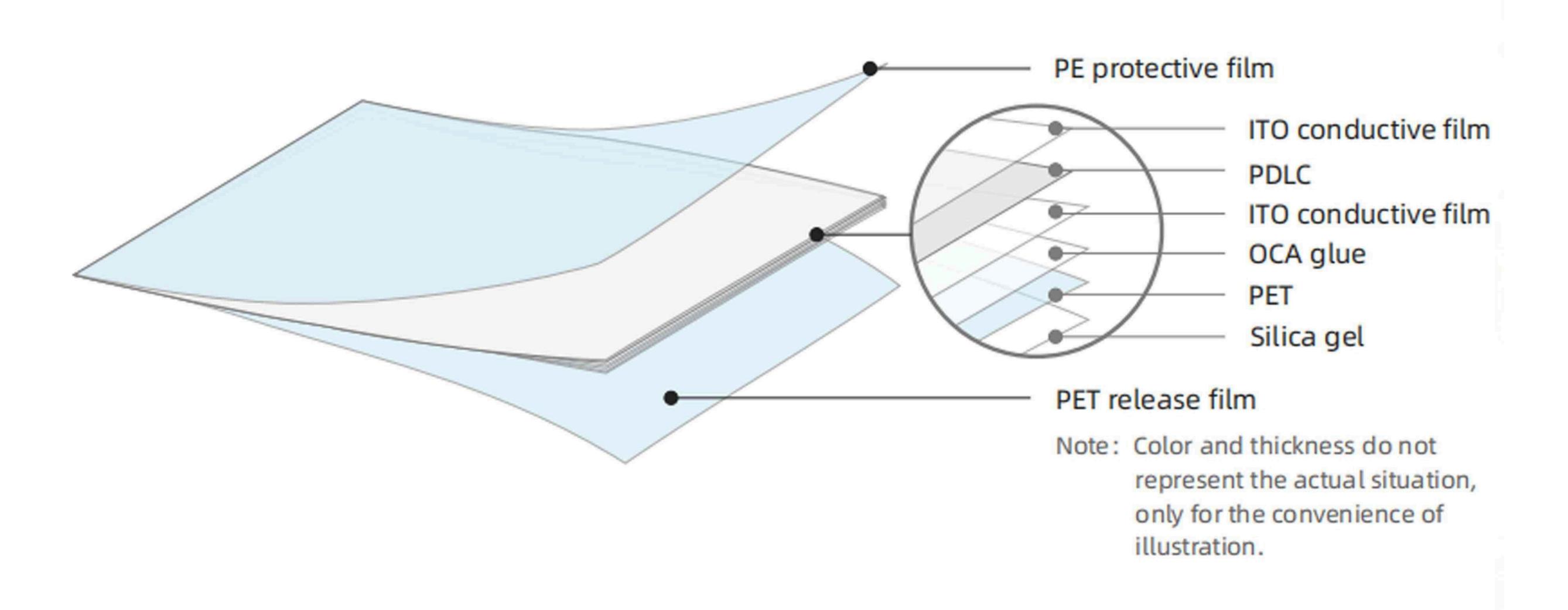
VS-90 (Adhesive PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST





This adhesive film is deployed in settings where the highest standards of transpare ncy and privacy are paramount, such as scientific research facilities, intelligence ag encies, luxurious villas, presidential offices, super 5-star hotels, Hollywood theaters, and other elite environments demanding both crystal-clear visibility and absolute confidentiality.





Product Testing Details					
Rated voltage	ON	Volt	48		
Power consumption	ON	VA/m²	3.7		
Daralla light transmittance	ON	%	94.2		
Paralle light transmittance	OFF	%	80.4		
Evil light transmittanes	ON	%	97		
Full light transmittance	OFF	%	24		
TT	ON	%	1.74		
Haze	OFF	%	99.9		
Film thickness		mm	0.47		
TC	ON %		15		
Infrared blocking rate	OFF %		68		
TT 1-1	ON %		99		
Uv blocking rate	OFF %		100		
	OFF→ON	ms	≤60		
Response time	ON→OFF	ms	≤20		
Operating temperature		°C	-20~85		
Life-span		year	More than 100000 hours		
Warranty period		year	2		
Product Size	Adhesive PDLC film (rolls)	Width: 1.0m/1.2m/1.5m/1.8m			
I Toddet Size	Adhesive PDLC film (sheet)	Width: ≤1.8m			
3.600	Adhesive PDLC film (rolls)	50 m			
MOQ	Adhesive PDLC film (sheet)	0.5m ² 8			



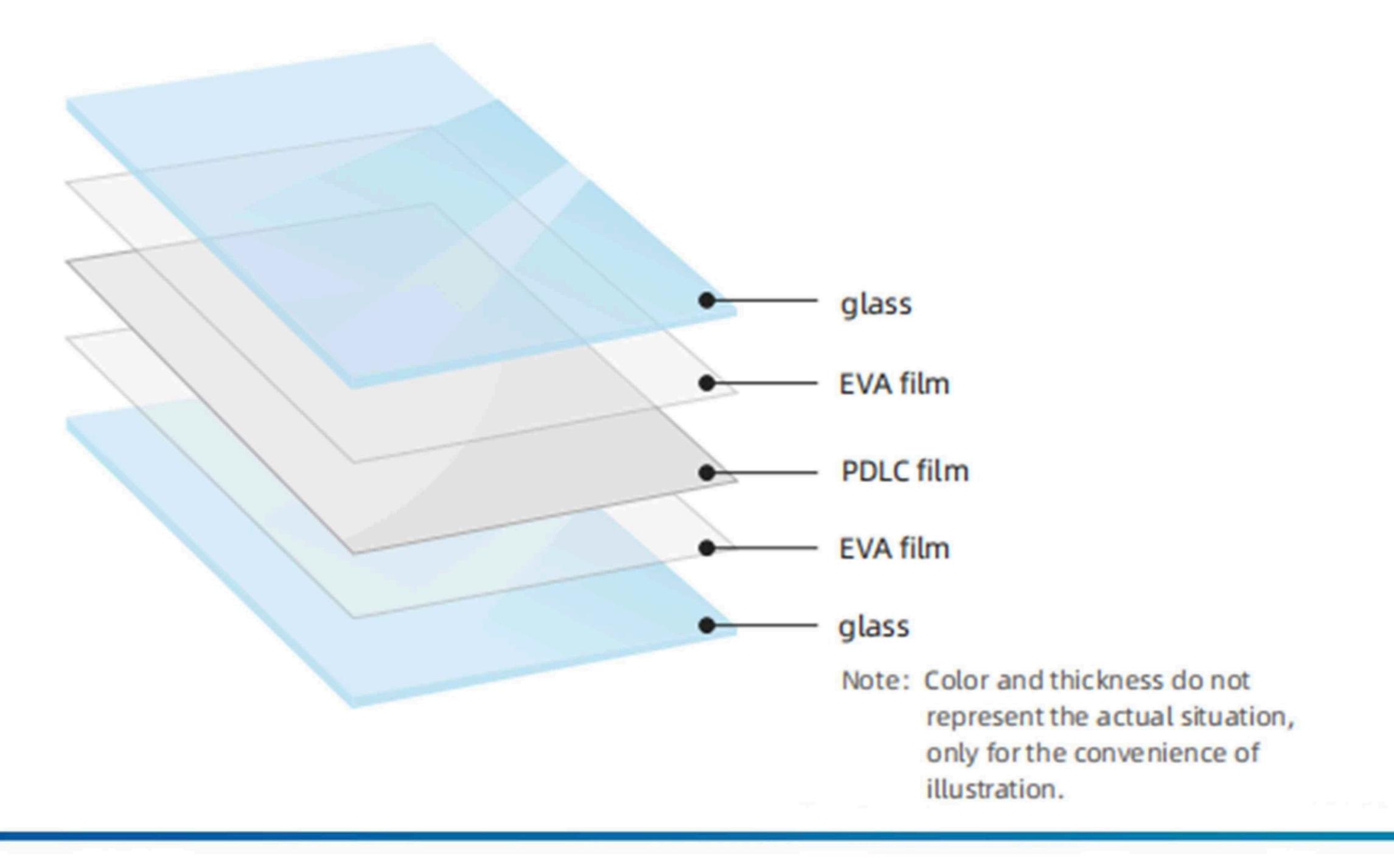


VSL-90 (Laminated PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



This versatile film is suitable for use in offices, meeting rooms, museums, and other locat ions, combining transparency, privacy, partitioning, and projection capabilities, making it an ideal choice for environments that require integrated visual and spatial manageme nt.





Product Testing Details					
Rated voltage	ON Volt		60		
Power consumption	ON	VA/m²	3.7		
- 11 1 1 1	ON	%	84.27		
Paralle light transmittance	OFF	%	74.4		
- 11 1' 1	ON	%	90		
Full light transmittance	OFF	%	18		
	ON	%	2.58		
Haze	OFF	%	100		
Film thickness	/	mm	0.38		
T. C	ON %		12		
Infrared blocking rate	OFF %		77		
TT 1-1	ON %		60		
Uv blocking rate	OFF %		95.5		
	OFF→ON ms		≤60		
Response time	ON→OFF	ms	≤20		
Operating temperature	/	°C	-20~85		
Life-span	/	year	More than 100000 hours		
Warranty period	/	year	2		
Product Size	Laminated PDLC film (rolls)	Width: 1.0m/1.2m/1.5m/1.8m			
I TOUUCE SIZE	Laminated PDLC film (sheet)	Width: ≤1.8m			
	Laminated PDLC film (rolls)	50m			
MOQ	Laminated PDLC film (sheet)	0.5m² ₁₀			

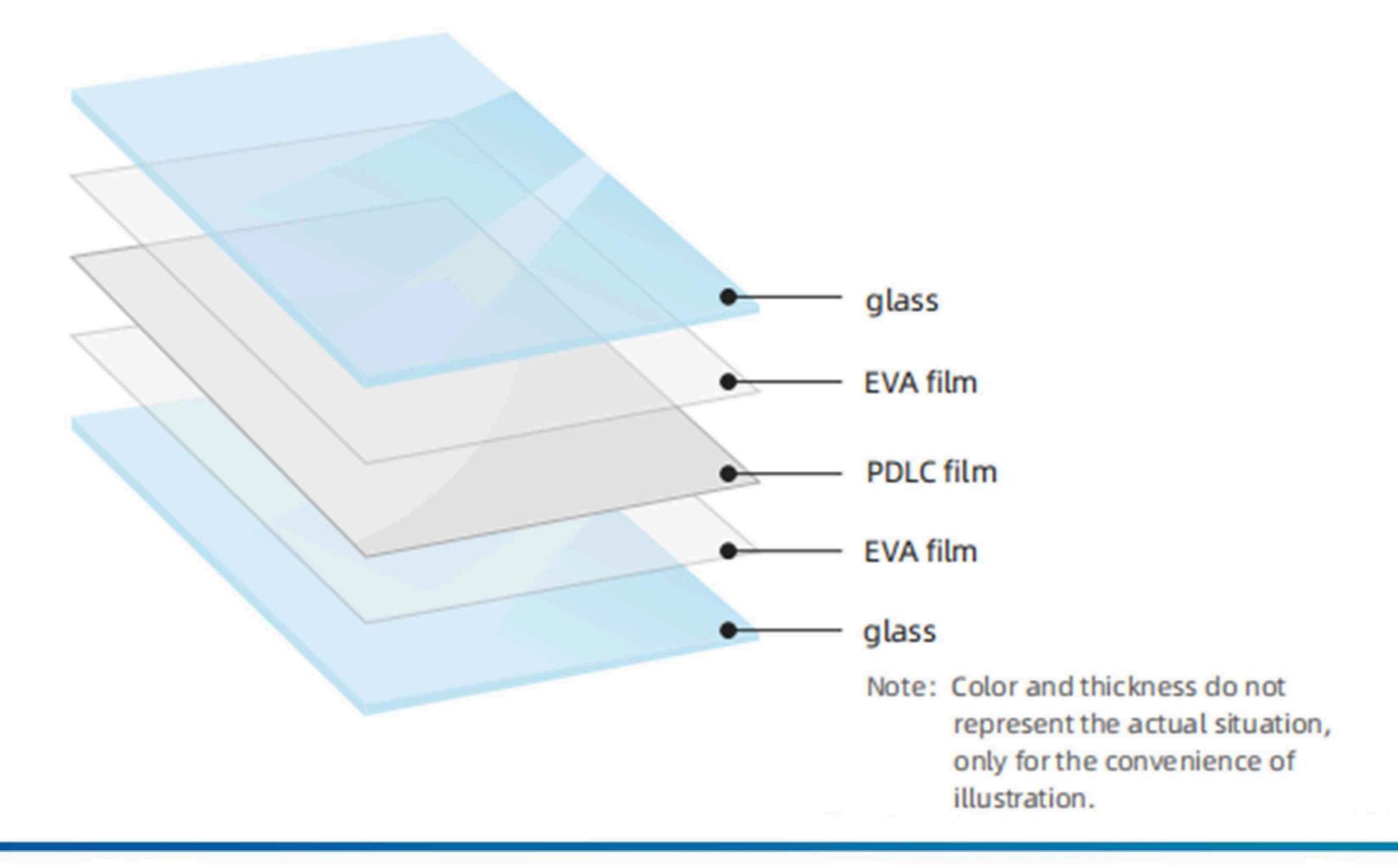


VSL-92 (Laminated PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



This versatile film is designed for a variety of settings including offices, conference room s, and museums. It offers a blend of clear visibility, privacy, space division, and the ability to serve as a projection surface, making it perfect for spaces that need a cohesive approach to visual and spatial management.



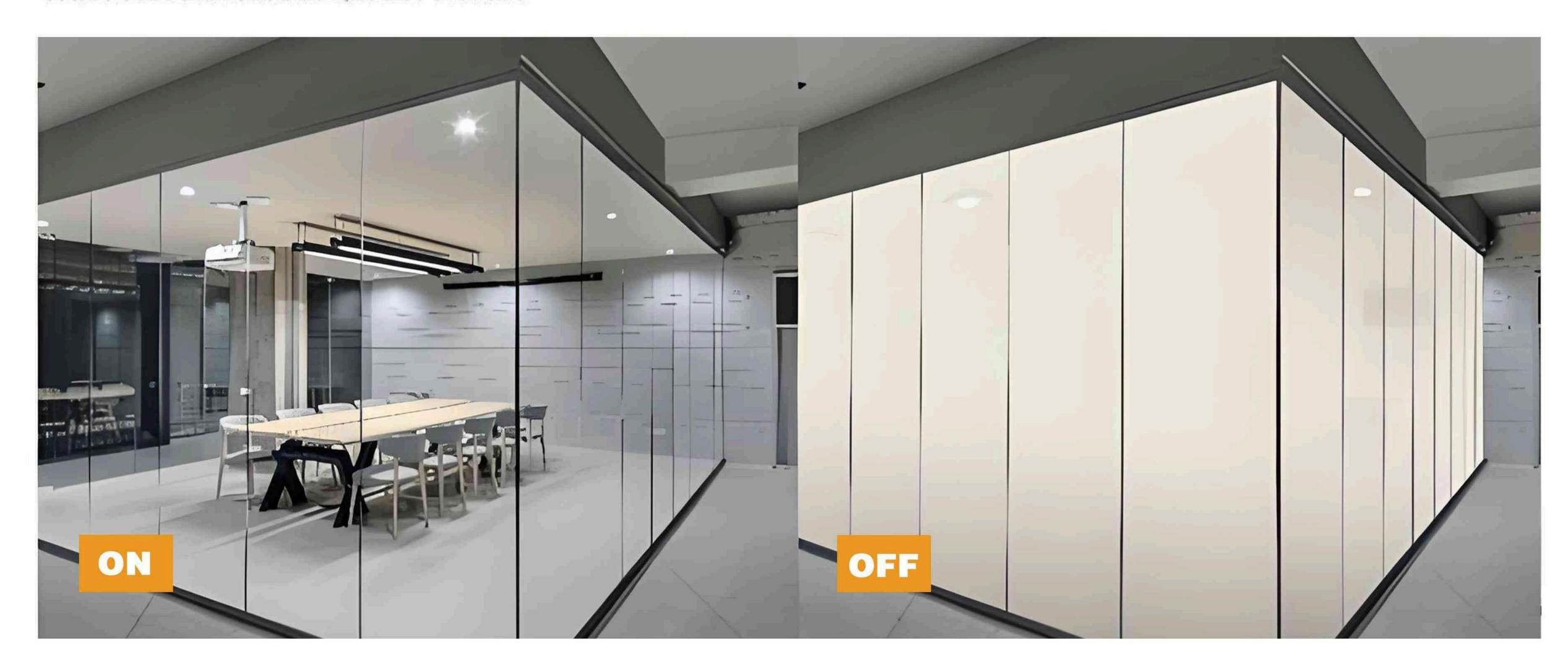


Product Testing Details				
Rated voltage	ON	Volt	48	
Power consumption	ON	VA/m²	3.7	
Davella light transmittanes	ON	ON %		
Paralle light transmittance	OFF	%	79.4	
T11 1: -1-4 4	ON	%	92	
Full light transmittance	OFF	%	25	
	ON	%	2.36	
Haze	OFF	%	99.7	
Film thickness		mm	0.38	
	ON %		13	
Infrared blocking rate	OFF %		68	
TT 11 1	ON %		59	
Uv blocking rate	OFF %		93.2	
	OFF→ON ms		≤60	
Response time	ON→OFF	ms	≤20	
Operating temperature		°C	-20~85	
Life-span		year	More than 100000 hours	
Warranty period	/	year	2	
Product Size	Laminated PDLC film (rolls)	Width: 1.0m/1.2m/1.5m/1.8m		
FIOUUCI SIZE	Laminated PDLC film (sheet)	Width: ≤1.8m		
	Laminated PDLC film (rolls)	50 m		
MOQ	Laminated PDLC film (sheet)	0.5m²		

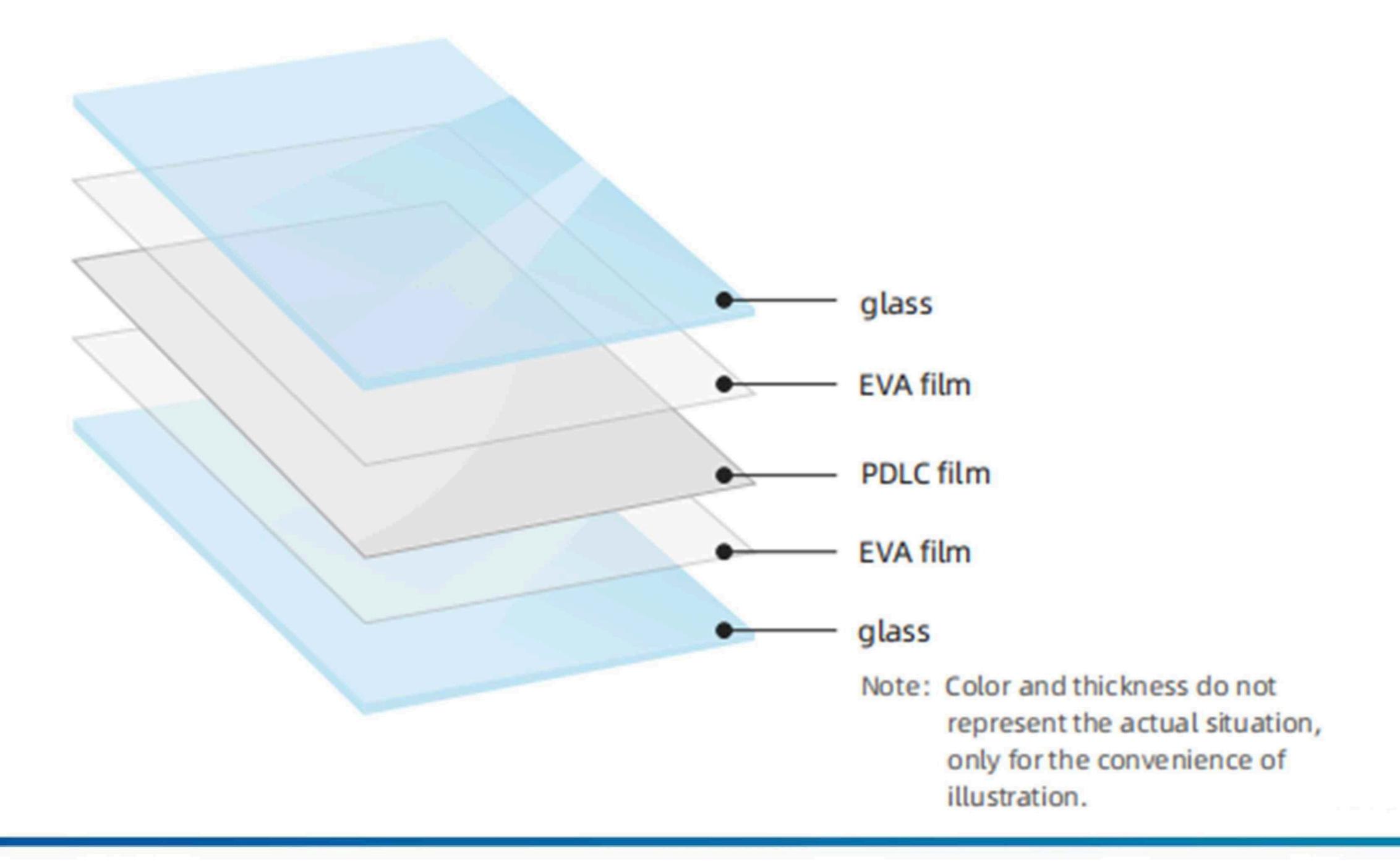


VSL-94 (Laminated PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



This versatile film is perfect for a range of applications in offices, boardrooms, museums, and beyond. It seamlessly integrates features like transparency, privacy, space division, and projection functionality, making it an excellent choice for spaces that need a streaml ined approach to managing visuals and spatial arrangements.



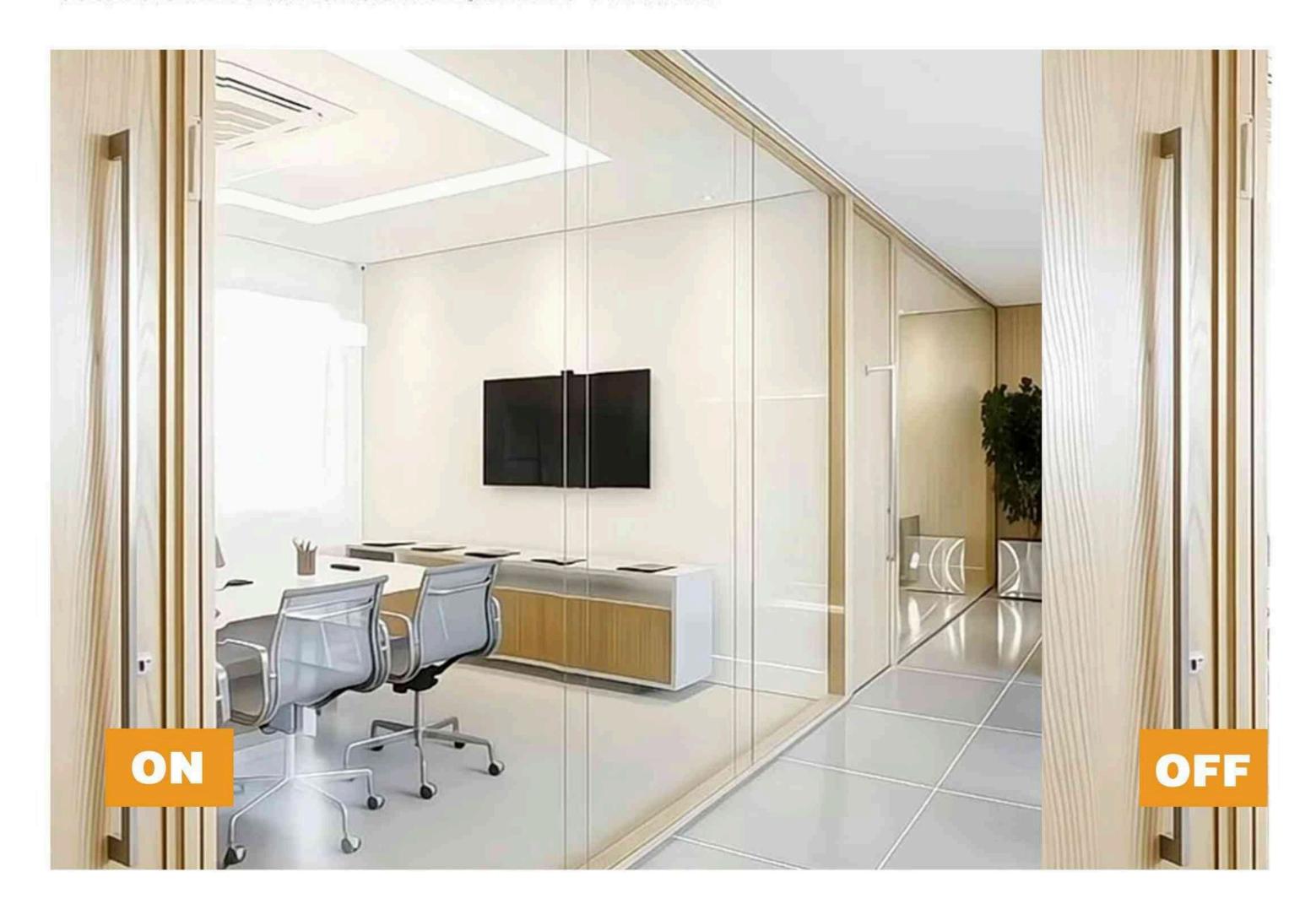


Product Testing Details					
Rated voltage	ON	Volt	60		
Power consumption	ON	VA/m²	3.7		
D	ON %		92.07		
Paralle light transmittance	OFF	%	77		
Evil 1:-be everyosistenses	ON	%	94		
Full light transmittance	OFF	%	19		
T.T.	ON	%	1.81		
Haze	OFF	%	100		
Film thickness	/	mm	0.38		
TC	ON %		10		
Infrared blocking rate	OFF %		77		
TT 1-1	ON %		58		
Uv blocking rate	OFF %		95.4		
D	OFF→ON ms		≤60		
Response time	ON→OFF	ms	≤20		
Operating temperature		°C	-20~85		
Life-span	/	year	More than 100000 hours		
Warranty period		year	2		
Product Size	Laminated PDLC film (rolls)	Width: 1.0m/1.2m/1.5m/1.8m			
I TOUUCE SIZE	Laminated PDLC film (sheet)	Width: ≤1.8m			
3.600	Laminated PDLC film (rolls)		50 m		
MOQ	Laminated PDLC film (sheet)	0.5M ² 12			



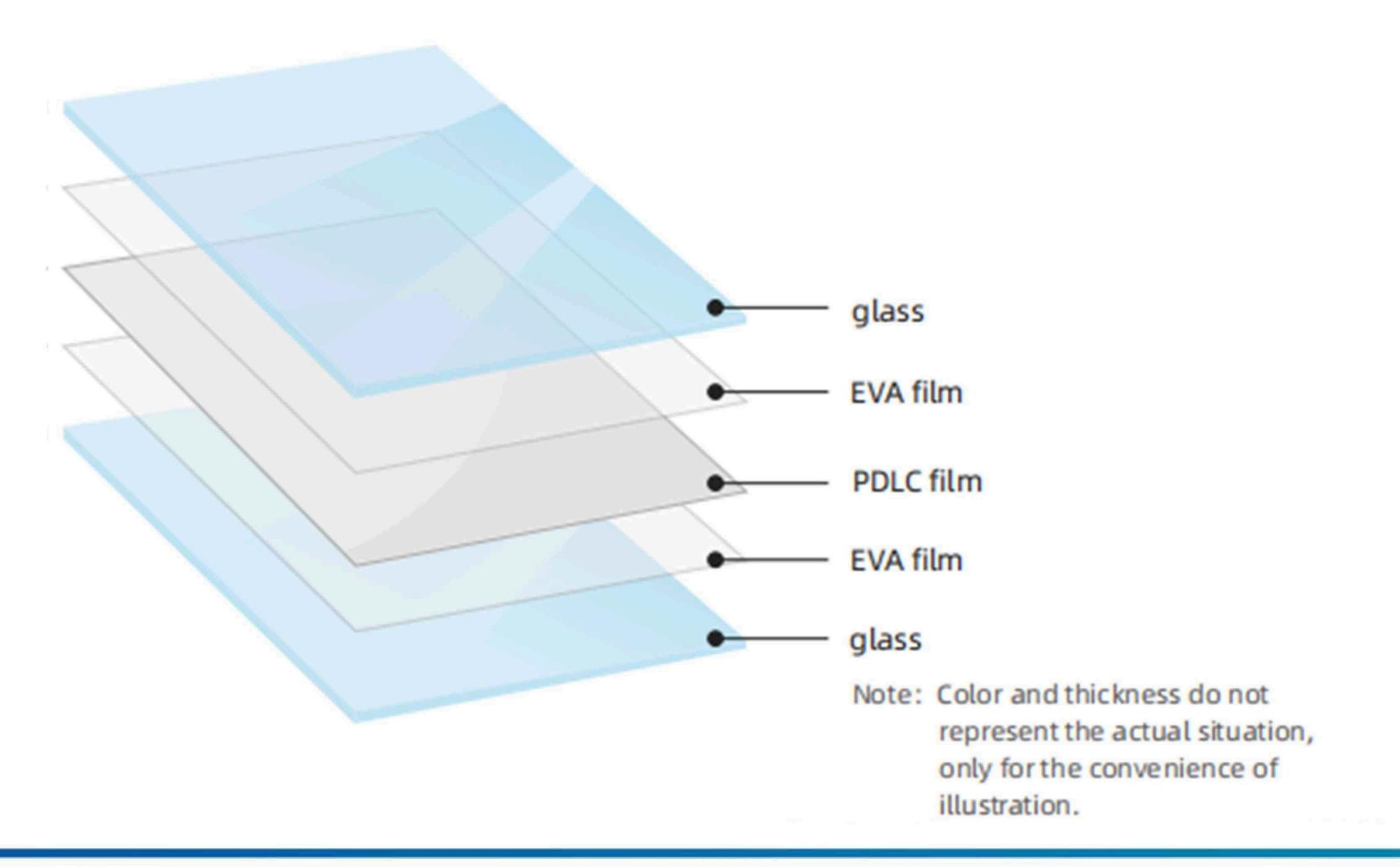
VSL-97 (Laminated PDLC Films)

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST





This transparent adhesive film caters to high-end applications requiring utmost clarity and discretion, such as in scientific labs, intelligence services, upscale residences, executi ve suites, premier hotels, cinematic venues, and other exclusive settings where both tran sparency and confidentiality are paramount.





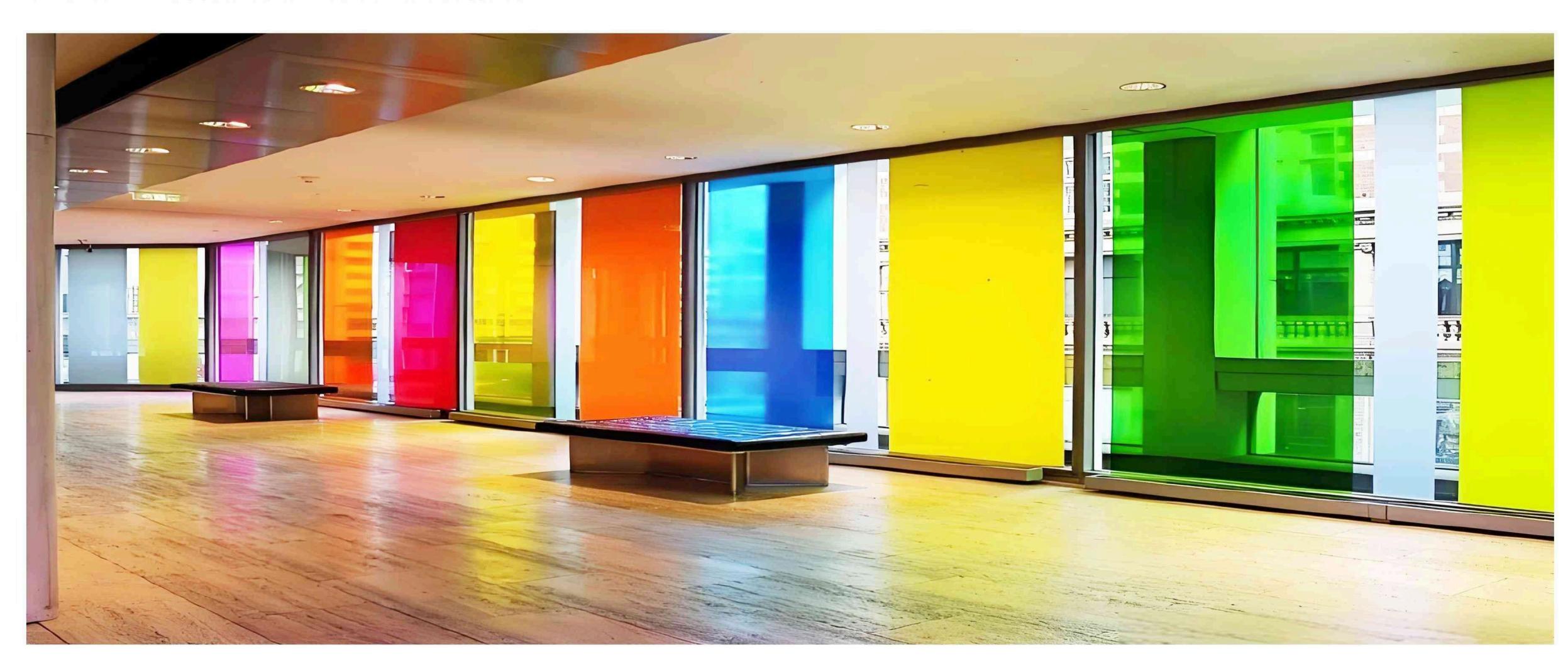
Product Testing Details					
Rated voltage	ON Volt		48		
Power consumption	ON	VA/m²	3.7		
Davella lielet teamanittana	ON	%	94.2		
Paralle light transmittance	OFF	%	84.4		
Evil light transmittanes	ON	%	97		
Full light transmittance	OFF	%	27		
TT	ON	%	1.13		
Haze	OFF	%	99.6		
Film thickness		mm	0.38		
TC	ON %		10		
Infrared blocking rate	OFF %		65		
TT 1-1	ON %		64		
Uv blocking rate	OFF %		96.9		
D	OFF→ON ms		≤60		
Response time	ON→OFF	ms	≤20		
Operating temperature		°C	-20~85		
Life-span		year	More than 100000 hours		
Warranty period	/	year	2		
Product Size	Laminated PDLC film (rolls)	Width: 1.0m/1.2m/1.5m/1.8m			
rioduct Size	Laminated PDLC film (sheet)	Width: ≤1.8m			
3.600	Laminated PDLC film (rolls)	50 m			
MOQ	Laminated PDLC film (sheet)	0.5m² ₁₃			



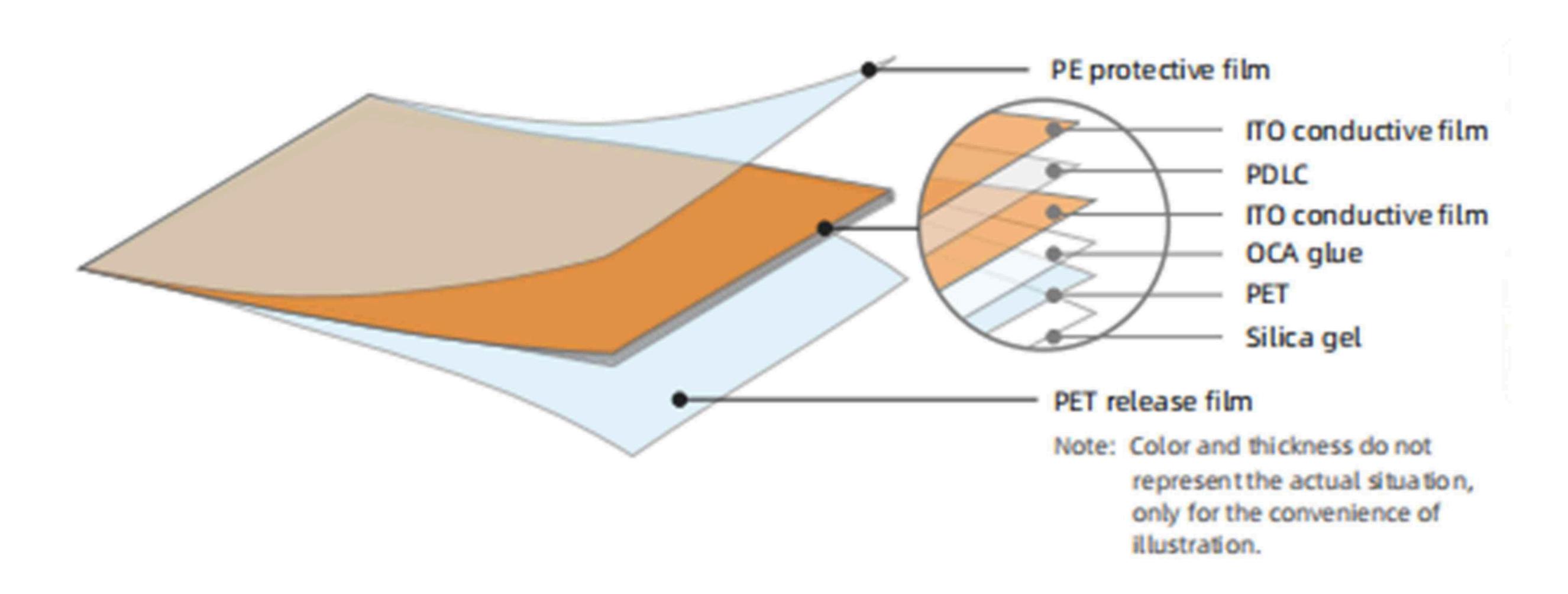


VS-COLORFUL

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST



Aysent Colorful PDLC film is used in places like art centers, kindergartens, and them ed restaurants that need colors like gray, black, red, green, and blue. It can be place d between glass for privacy.





Items

	Total Thickness		0.47mm
Gray adhesive PDLC film	Cut to Sheet	Width	100-1800(mm)
		Length	100-50000(mm)
	6	Width	1200,1500,1800(mm)
	Roll	Length	30meters/50meters
	Roll tube	Inner Diameter	6 inches
	Total Thickness		0.38mm
	Cut to Sheet	Width	100-1800(mm)
C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Length	100-50000(mm)
Gray laminated PDLC film	Roll	Width	1200,1500,1800(mm)
		Length	30meters/50meters
	Roll tube	Inner Diameter	6 inches
	Total Thickness		0.54mm
Other colors adhesive PDLC film (black,blue,green,orange,red)	C	Width	100-1500(mm)
	Cut to Sheet	Length 10	100-50000(mm)
	Roll	Width	1500(mm)
	NOII	Length	30meters/S0meters
	Roll tube	Inner Diameter	6 inches

Optical Parameter

ltems	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multime ter/Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m²	Multi-parameter ele ctric measuring instrument
Viewing angle	ON	≥160°	Visual Inspection
Uv blocking rate	OFF	≥99%	Ontical transmittance tector
Infrared blocking rate	OFF	≥60%	Optical transmittance tester
Poenoneo timo	OFF→ON	≤ 30 ms	Liquid crystal parameter
Response time	ON→OFF	≤ 200 ms	integrated tester
Operating temperature	•	-30°C~50°C	constant temperature and humidity testing machine
Life-span	•	1000000 Hours	GB18910.5-2008
Switchingtimes		22 million times	Self-made on/off tester

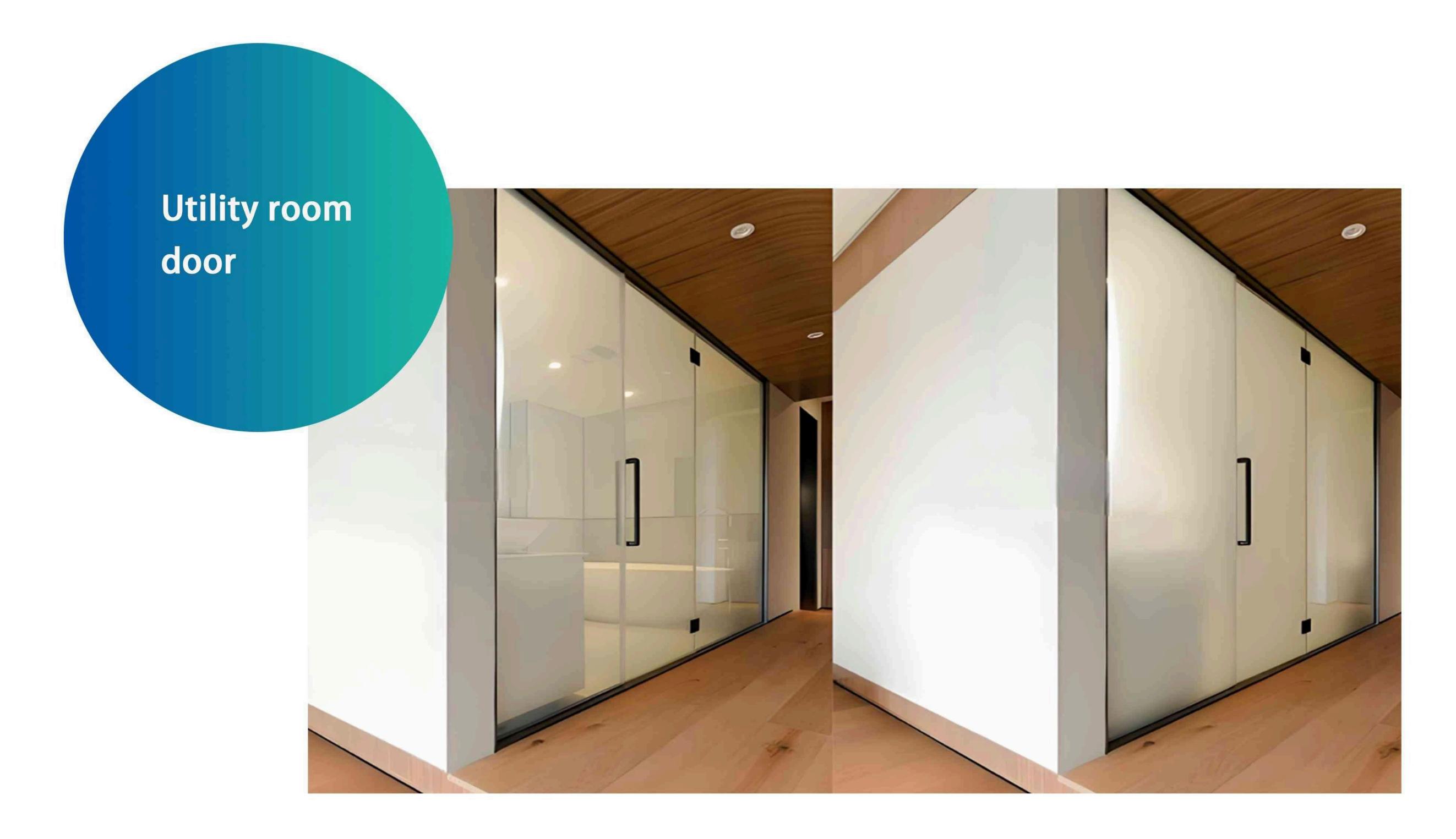
15



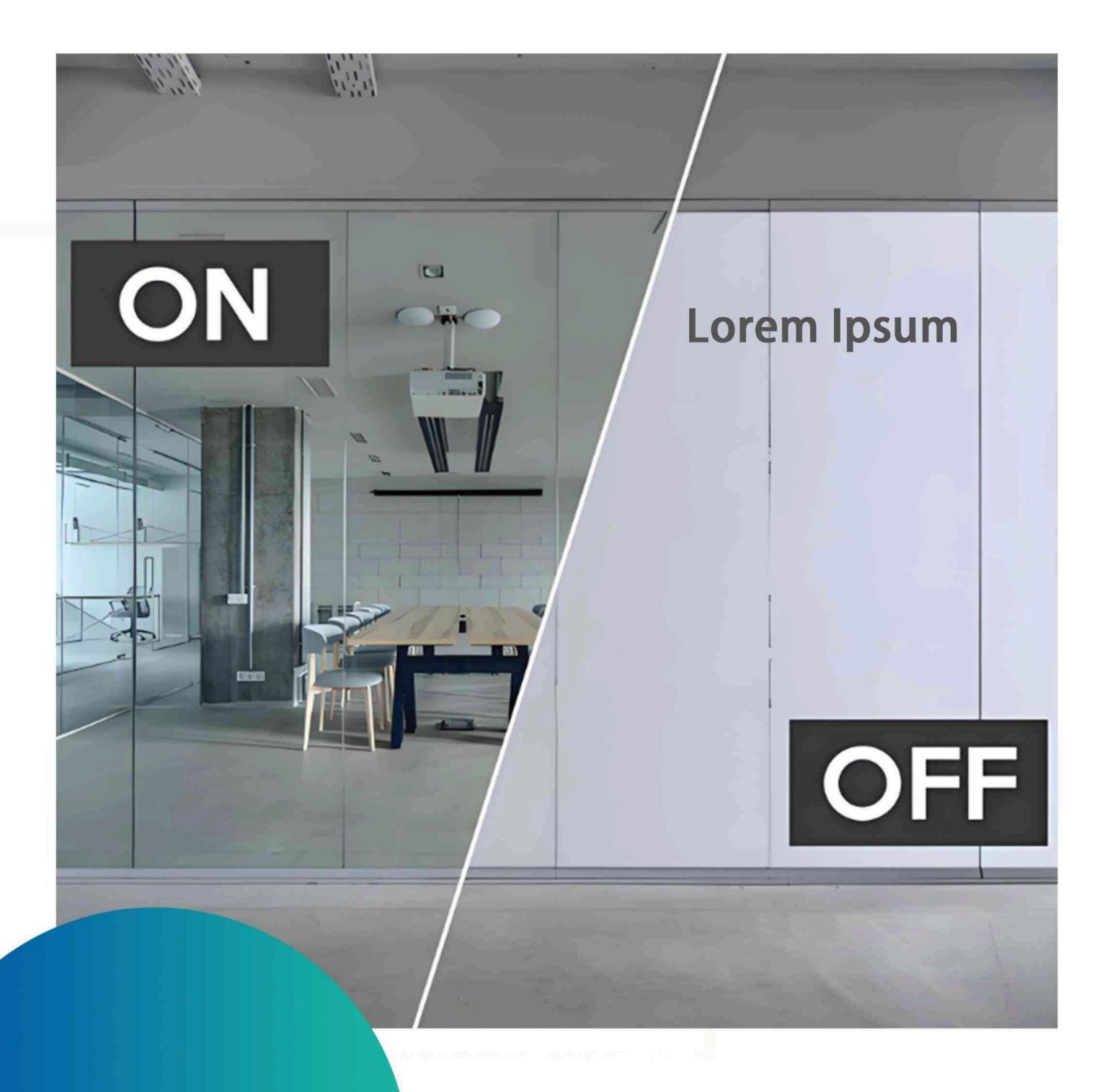
PRODUCT CASE

GOOD FAITH CONTAINS
THE PROFESSIONAL QUALITY CAST











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