



About Us

MAZ International has now introduced Filmbase in Pakistan, making this global technology accessible for homes, tramadol prices online offices, details here and commercial projects across the country.

Filmbase is an advanced smart film and smart glass technology developed in China. It uses PDL (Polymer Dispersed Liquid Crystal) technology that allows glass to switch instantly between transparent and opaque states with the touch of a button.

This innovation provides privacy on demand, blocks harmful UV rays, improves energy efficiency, discover more and supports modern architectural design. Filmbase products are certified to international standards and are trusted in more than 100 countries.

PRODUCT CATALOGUE

— See-Through Innovation —

Media Glass

LED Films

VC - Glass

UTDAR Films

Flying Display

Smart Film

Switchable Glass

Smart Windows

Smart Doors



All Products

Media Glass



Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



VC Glass

Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



LED FILM

Glass Curtain Walls, Showcase Display, Advertising Media, Space & Partition Decoration, Home Design, Commercial Display & Functional Signage



SWITCHABLE GLASS

Offices, Hotels, Banks, Stores, Clubs, Hospitals & Villas.



FILMBASE
Pakistan

Media Glass

Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space Decorations & Other Occasions



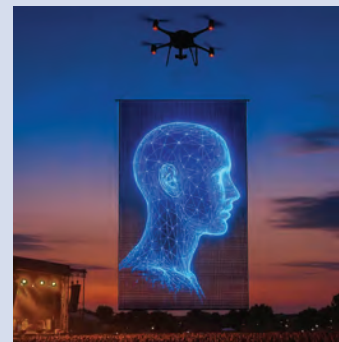
SMART FILM

PDLC is used in Projection Function, Interior & Architectural Design, Commercial Centers, Rail Transportaion & Industrial Products.



UTDAR FILM

Exhibition, Museum, Superstore, Science & Tech Museum, Culture & Toursim.



FLYING SCREEN

Event Organizers, Influencers, Commercial Value, Live Concerts both indoor outdoor.



Filmbase Technologies
(Pvt.) Ltd.

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About Media Glass

Filmbase media glass is a cutting-edge technological glass that combines precision manufacturing, materials science ,Heat dissipation tech, system integrated chip design, control systems, cloud services and other multidisciplinary technologies. poised to transform various industries and sectors with its innovative features and adaptability. It has a broad range of target markets that include media, urban lighting, new building materials, exhibition shows etc.

Media glass revolutionary technology is not only a breakthrough in display technology but also a disruptive building material that is expected to pave the way for new market applications. Its unique form and versatility offer endless possibilities for multiple brand-new market applications.



Support customization



160° view angle



Now and future
latest facade



HD +Up to
85% transparency



Support play 3D
videos, Pictures, letter



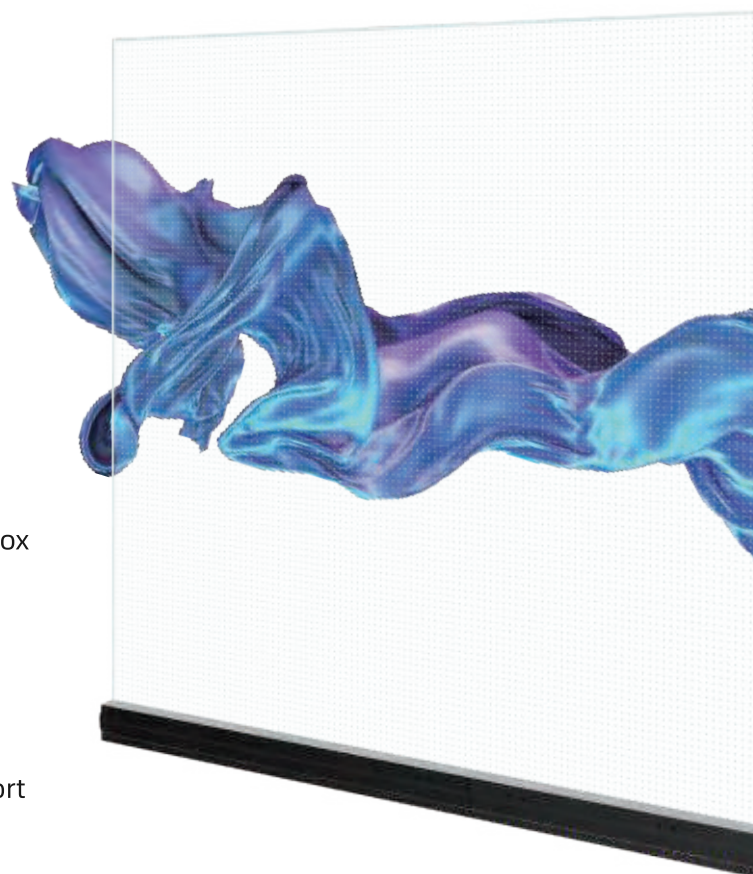
See through display,
Glass+ display+control box
all in one



Easy for installation,
Male+Female connect,
plug and Play

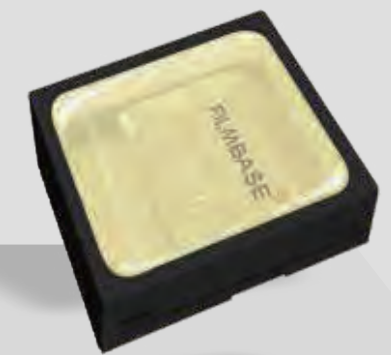


Easy for operation,
Intelligent control support
APP , Computer, USB



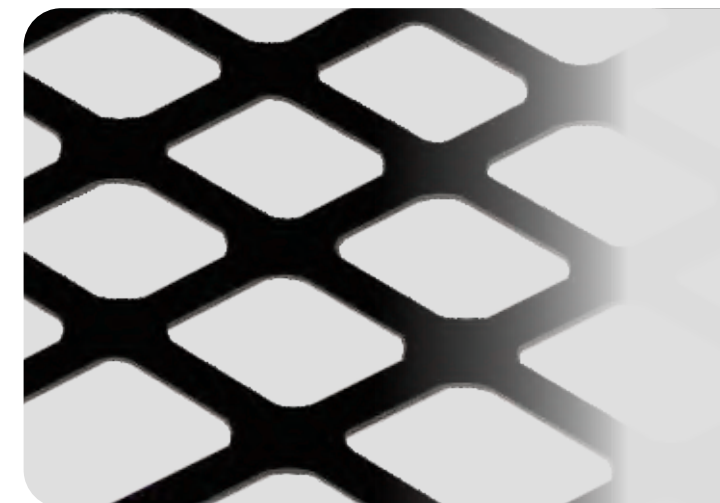
Display chip

Display chip, Control IC, Cooling system all in one with HD, lower carbon, longer life



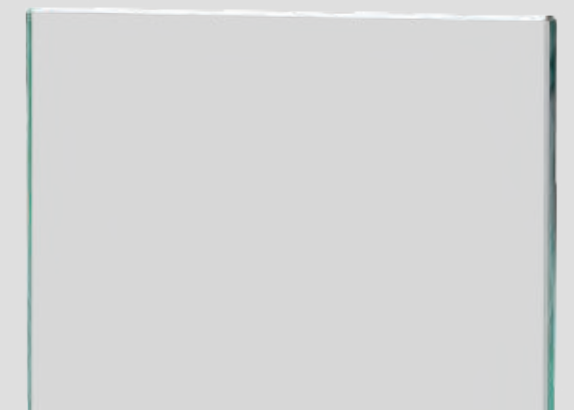
Mesh type PCB

See through multi layer Integrated circuit board design makes more clear more transparency and less heat



Glass

Adapted electronic grade glass which customized for display, can choose partition glass, curtain wall insulating glass,



Control system

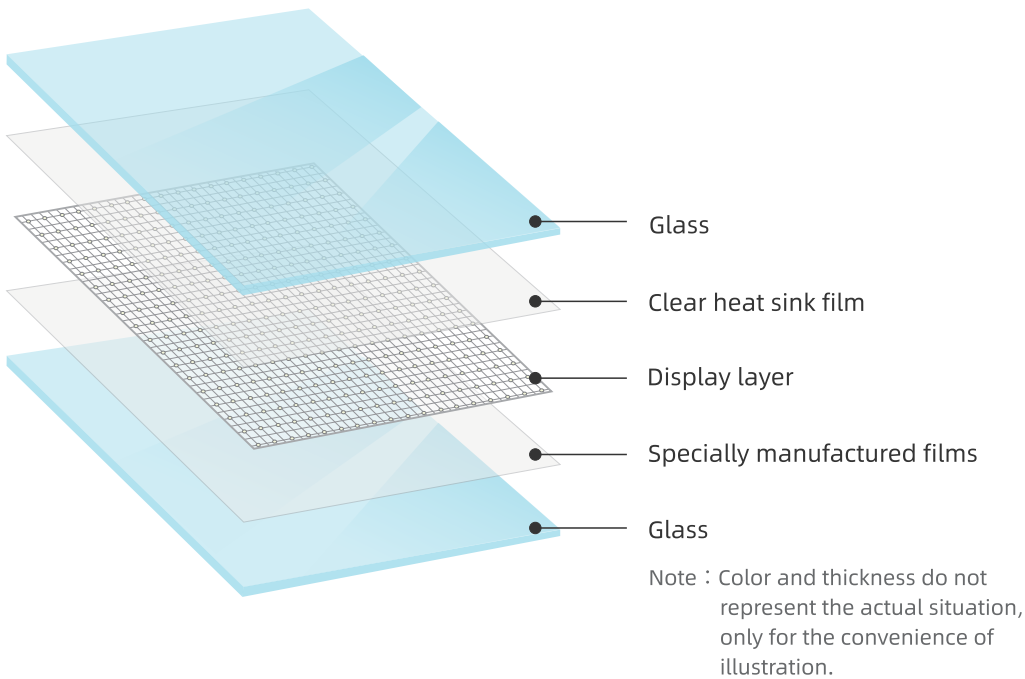
Implanting the display chip and control software into Facade glass allows the building itself to become a media glass, with disseminating information, creating building value, improving recognition and enhancing influence.





Skyscraper media glass

Filmbase skyscraper media glass ,is Is a revolutionary innovation glass,which combine both glass and display in one, see through technology allows people see outside while playing 3D video ,it Makes the building become the media to convey information, create value,increase recognition and enhance influence while save energy without block view and light .



Product Model		FILMBASE Skyscraper media glass	
Products	Skyscraper 01	Skyscraper 02	Skyscraper 03
Pitch	P7.9*7.9	P10*10	P20*20
Screen brightness (nits)	0~5000	0~5000	0~3000
Visual transparency	≥95%	≥95%	≥98%
Pixel pitch	8.32×8.32mm	10×10mm	20×20mm
Module	166×498mm	200×500mm	200×500mm
Pixel density	14400	10000	2500
Best view distance	≥8m	≥10m	≥20m
Viewing angle	≥160°	≥160°	≥160°
Average square power	230W	230W	140W
Maximum square power	650W	650W	390W

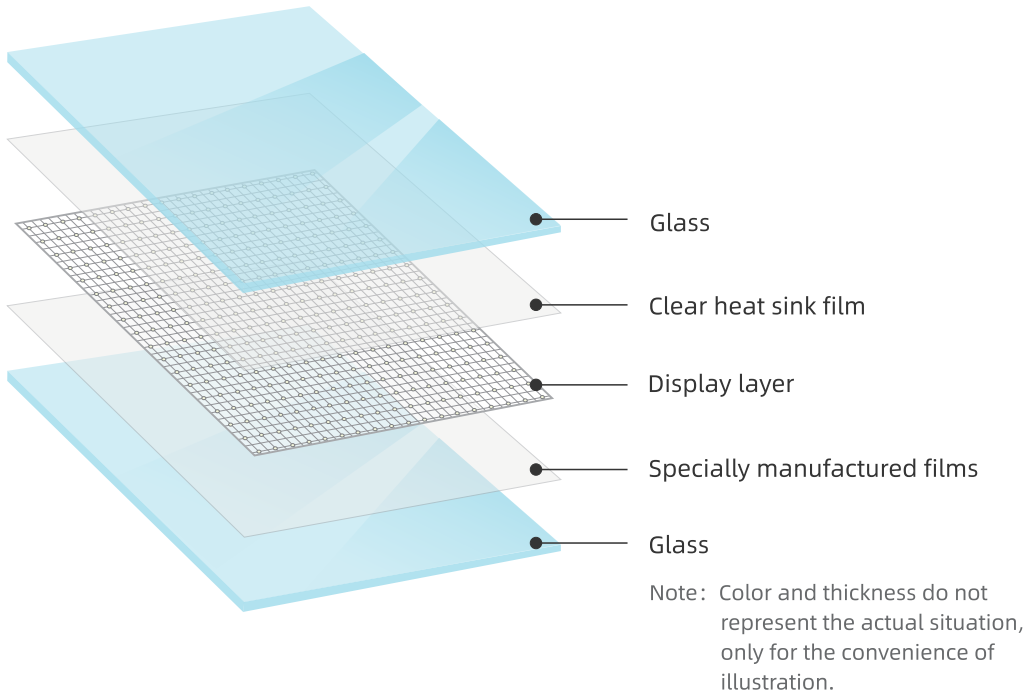
Product Model		FILMBASE Skyscraper media glass	
Products	Skyscraper 04	Skyscraper 05	Skyscraper 06
Pitch	P30*30	P50*50	P80*80 or more
Screen brightness (nits)	0~1200	0~600	Consultation Customization
Visual transparency	≥98%	≥99%	≥99%
Pixel pitch	31.25×31.25mm	50×50mm	80×80mm
Module	250×500mm	250×500mm	Consultation Customization
Pixel density	1024	400	156
Best view distance	≥30m	≥50m	≥80m
Viewing angle	≥160°	≥160°	≥160°
Average square power	70W	35W	Consultation Customization
Maximum square power	160W	90W	Consultation Customization

Technical Parameters		FILMBASE Skyscraper media glass	
Pixel specification	1R1G1B	Brightness adjustment	32X65536
Pixel package	SMD2020	Operating voltage	+5VDC
Screen material	Tempered Glass	Working temperature	-20°C~55°C
Grayscale level	65536	Storage temperature	-40°C~80°C
Refresh rate	≥3840	Working humidity	10-90%
Control system	Transmitter cards, asynchronous cards, asynchronous playback boxes, video processors	Storage humidity	5-95%



Luxurious media glass

The display chip and control software implanted into glass can make the Glass itself become media, Designed for Luxury store, commercial centre ,Mall with multiple functions such as spreading information, creating value, improving recognition and enhancing influence, so that the eyes are beautiful scenery. Change the display content at any time, support human-machine interaction, and make the space interesting and promising.



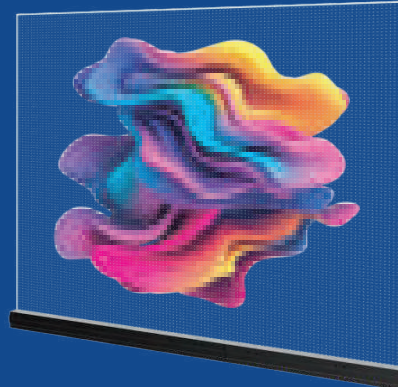
Product Model		FILMBASE luxurious media glass		
Products	Luxurious 01	Luxurious 02	Luxurious 03	Luxurious 04
Pitch	P3.9	P4.9	P5.9	P7.9
Screen brightness (nits)	0~5000	0~5000	0~5000	0~5000
Visual transparency	≥90%	≥90%	≥95%	≥95%
Pixel pitch	4.16×4.16mm	5×5mm	6.23×6.23mm	8.3×8.3mm
Module	124.8×500m	200×500mm	124.6×499mm	166×498mm
Pixel density	57600	40000	25600	14400
Best view distance	≥4m	≥5m	≥6m	≥8m
Viewing angle	≥160°	≥160°	≥160°	≥160°
Average square power	230W	230W	230W	230W
Maximum square power	650W	650W	650W	650W

Product Model		FILMBASE luxurious media glass		
Products	Luxurious 05	Luxurious 06	Luxurious 07	
Pitch	P10	P15	P20	
Screen brightness (nits)	0~5000	0~4000	0~3000	
Visual transparency	≥95%	≥98%	≥98%	
Pixel pitch	10×10mm	15.6×15.6mm	20×20mm	
Module	200×500mm	250×500mm	200×500mm	
Pixel density	10000	4096	2500	
Best view distance	≥10m	≥15m	≥20m	
Viewing angle	≥160°	≥160°	≥160°	
Average square power	230W	200W	140W	
Maximum square power	650W	520W	390W	

Technical Parameters		FILMBASE luxurious media glass	
Pixel specification	1R1G1B	Brightness adjustment	32X65536
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Media Glass



Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



VC Glass

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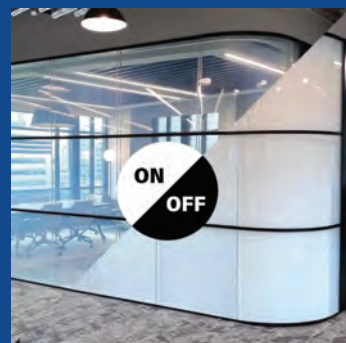
LED FILM

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SWITCHABLE GLASS

Offices, Hotels, Banks, Stores, Clubs, Hospitals & Villas.



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FLYING DISPLAY

Event Organizers, Influencers, Commercial Value, Live Concerts, Outdoor Events



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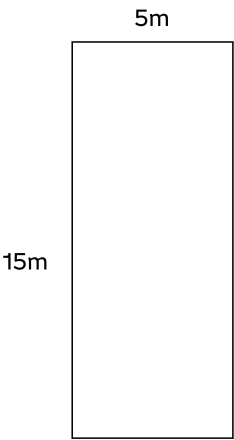


About Flying Display

Filmbase Flying display is an innovative display which designed for Low-altitude performances and aerial media, which adopts ultra-light, thin and transparent LED display technology, 250G/SQM and 2mm thickness , over 95% transparency, allowing the displayed content to blend seamlessly with the environment and present a realistic and dazzling visual effect.

Size, Guinness Book of Records

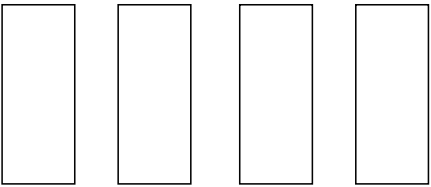
Standard size is 5m by 15 m, breaking the existing size record of flying screens in the market and is currently applying for the Guinness World Record.It also supports "many-screen linkage". The clarityis dozens of times higher than that of traditional building lighting shows and drone shows, and it can also present high resolution 3D effects.



One drone model

Applications

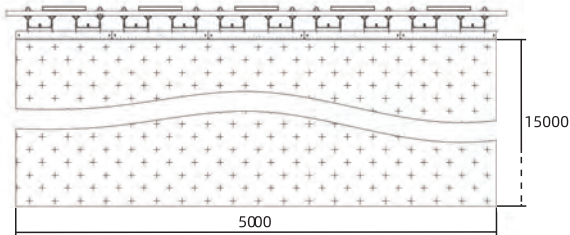
It can be used for aerialadvertising, breaking through spatial limitations and enhancing theexposure and influence of advertisements; suitable for brand display and event promotion, attracting audiences and strengthening brand image during product launches and other events; it is often used in light and shadow shows and cultural exhibitions, combining light and shadow with cultural content during festivals and artistic performances, providing a stunning audio-visual experience.



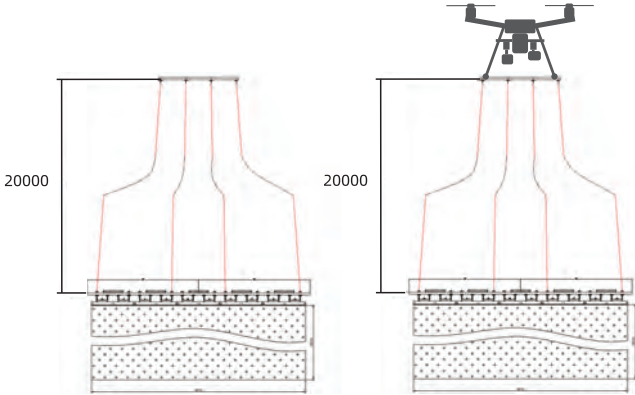
Formation drone mode



5 meters wide, 15 meters high.



Lifting node 20 meters from the screen.



Name	Project	Parameters
LED screen	Screen size	W4.8"H15m
	Resolving Power	P40
	Spacing	40*40mm
	Pixel	300,000 dots
	Input Voltage	DC24V
	Input Type	Lithium battery
	Lamp Bead Packaging	5050
	Drive Mode	Static state
	Refresh Frequency	3840/1920Hz
	Chip Structure	RGB+IC
	System Support	Novastar
	Operation Method	Phone, iPad
Power battery	Media Format	Video; images
	Video Format	AVI; MP4; WMV; MOV
	Image Format	JPG; PNG; GIF; BMP
	Battery name	Ternary lithium battery
	Battery capacity	10.4Ah
	Use group	5 groups
Unmanned aerial vehicle	Cell model	18650
	Charging voltage	25.2V
	Nominal voltage	22.22V
	Expand size	3140*2980*802
	Wing folded size	1140*850*940
	Whole machine weight (including battery)	48.4±0.5 (kg)
	Rated takeo ffweight	98.4±0.5 (kg)
	Maximum takeo ffweight	103.4±0.5 (kg)
	Idle hover time (min)	22 (30000mAh+takeo ffweight 48.4kg)
	Full load hover time (min)	7 (30000mAh+takeo ffweight 48.4kg)
	Suggest height limit	20m
	Suggested speed limit	10m
	Suggested distance limit	1500m
	Image Maximum pitch angleFormat	15°
	Windproof grade	< Level 3

About Hanging LED Film

Filmbase Hanging LED Film is an innovative new display material that combines transparent display, intelligent control and energy efficient technology. Its high light transmittance (up to 90%) ensures natural lighting while realizing high-definition dynamic displays with stunning visual effects. With ultra-thin (less than 2mm) structure design.

The Hanging LED Film can be flexibly hung or attached to the glass surface, which is suitable for all kinds of architectural curtain walls and commercial display spaces. Supporting cloud-based intelligent control, it provides efficient and convenient solutions for advertising media, commercial retail, intelligent transportation, city lighting and other fields.

Its low energy consumption LED technology complies with green building standards, contributes to sustainable development, and comprehensively empowers intelligent space applications.



Now and future
latest facade



HD +Up to 90%
transparency



Easy for installation,
Male+Female connect,
plug and play



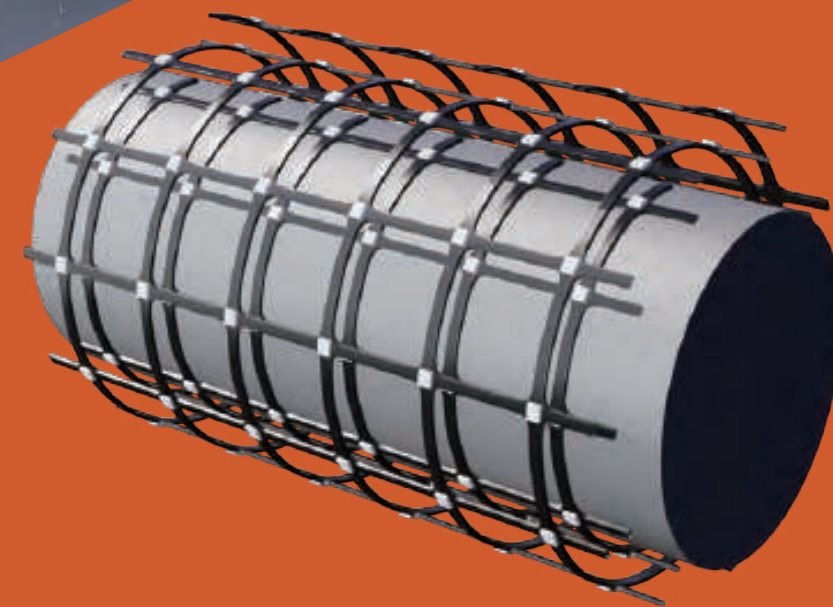
Easy for operation,
Intelligent control
support APP ,computer, USB



About Flying Djsplay

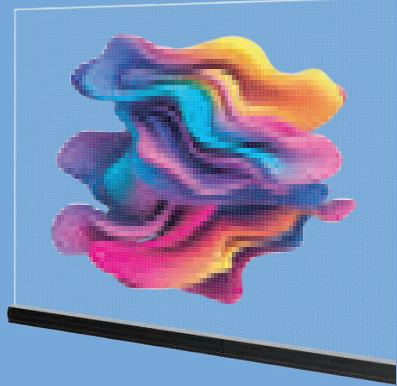
With the rapid development of technology, visual displays are constantly breaking through the traditional boundaries, bringing more innovations and possibilities. Filmbase Flying display, is an innovative leap of high-definition transparent display technology into the air. which presents art, culture, grand events, figures, economy, creativity, light and shadow shows, etc. in the air, as if transcending time and space, bringing science fiction and fantasy to the public's view, providing audiences with an unprecedentedly stunning experience. Come and enjoy a unique visual feast.

Filmbase flying display was born for the low-altitude economy. It is an innovative technology that combines virtual and real elements, enabling the originally static night sky to achieve visually unlimited possibilities. By integrating high-definition transparent display technology with Drone, it projects transparent high-definition display membranes into the air through drones, hot air balloons or hanging from buildings. As the lightest, thinnest, largest and highest in clarity transparent display, compared with traditional ground displays, Filmbase flying display not only can achieve super-large area displays but also create more stunning and flexible visual effects in the air, bringing audiences an unprecedented visual experience. It helps event organizers create influence and commercial value.



All Products

Media Glass



Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



VC Glass

Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



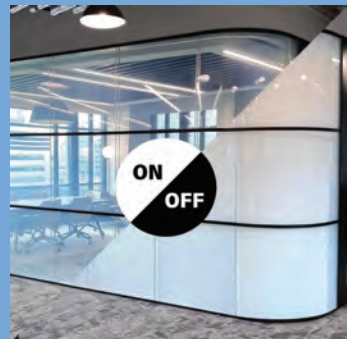
LED FILM

Glass Curtain Walls, Showcase Display, Advertising Media, Space & Partition Decoration, Home Design, Commercial Display & Functional Signage



SWITCHABLE GLASS

Offices, Hotels, Banks, Stores, Clubs, Hospitals & Villas.



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FILMBASE
Pakistan

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About LED Film

LED film creat innovation, vitality and beauty into the existing glass curtain wall, window, guardrail, shopping mall, exhibition hall. Its HD transparency features a dynamic digital identity while retaining natural light. This revolutionary technology turns buildings and Spaces into immersive media platforms that showcase real-time information, artwork and advertising. From commercial buildings to cultural centers, they can be self-pasted, hung, or sandwiched-between glass displays, integrating with the environment and creating eye-catching focal points everywhere.



Adjustable high brightness

With different pixel density, conventional 3000cd/m², Highlight 5000cd/m²; customized>7000cd/m².



Crop stitching

The signal is transmitted in a straight line to ensure that the screen can be cut and spliced.



Ultra thin

The LED are hidden, and the conventional front and rear flat films are <2.5mm. Ultra-thin customized front and rear flat film <1.5mm.



Easy to install

Lightly paste the film on the glass, separate the controller and install it. Plug connection and installation is complete.



High transparency

About 50-90% physical transparency with different point spacing, and a reasonable viewing distance of 99% visual transparency.



Non-destructive repair

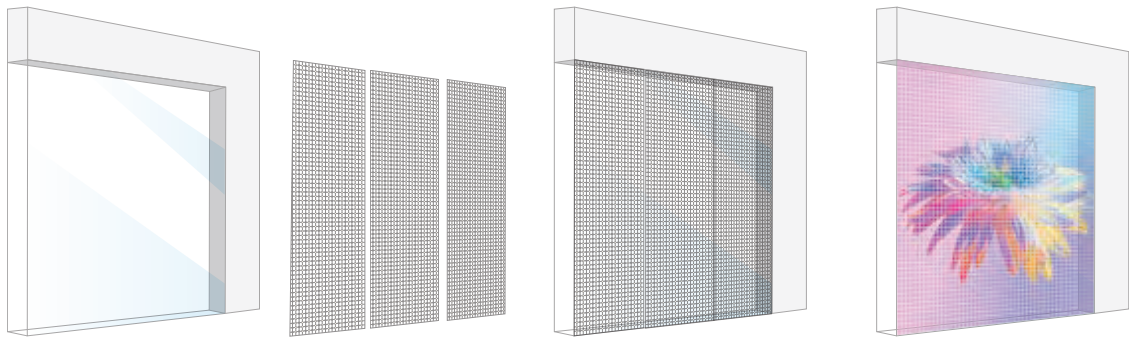
The surface protective film can be replaced at any time to ensure that the screen is brand new at any time, and the bad film that cannot be repaired on site can be directly replaced with a new film.





Holographic invisible display

The high-definition transparent feature adds a dynamic display effect while preserving natural light. This revolutionary technology transforms buildings and spaces into immersive media display platforms for real-time information, artwork and advertising. From commercial buildings to cultural centers, Filmbase invisible displays, which can be self-adhesive or suspended, blend in with the city.



Product Model

FILMBASE Holographic invisible display

Products	Invisible 01	Invisible 02	Invisible 03	Invisible 04	Invisible 05
Pitch	P3.9	P4.9	P5.9	P7.9	P10
Screen brightness (nits)	0~5000	0~5000	0~5000	0~5000	0~5000
Visual transparency	≥90%	≥90%	≥95%	≥95%	≥95%
Pixel pitch	4×4mm	5×5mm	6×6mm	8×8mm	10×10mm
Module	W240×H≤1500	W240×H≤1500	W240×H≤1500	W240×H≤1500	W240×H≤1500
Pixel density	62500	40000	27556	15625	10000
Best view distance	≥4m	≥5m	≥6m	≥8m	≥10m
Viewing angle	≥160°	≥160°	≥160°	≥160°	≥160°
Average square power	230W	230W	230W	230W	230W
Maximum square power	650W	650W	650W	650W	650W

Product Model

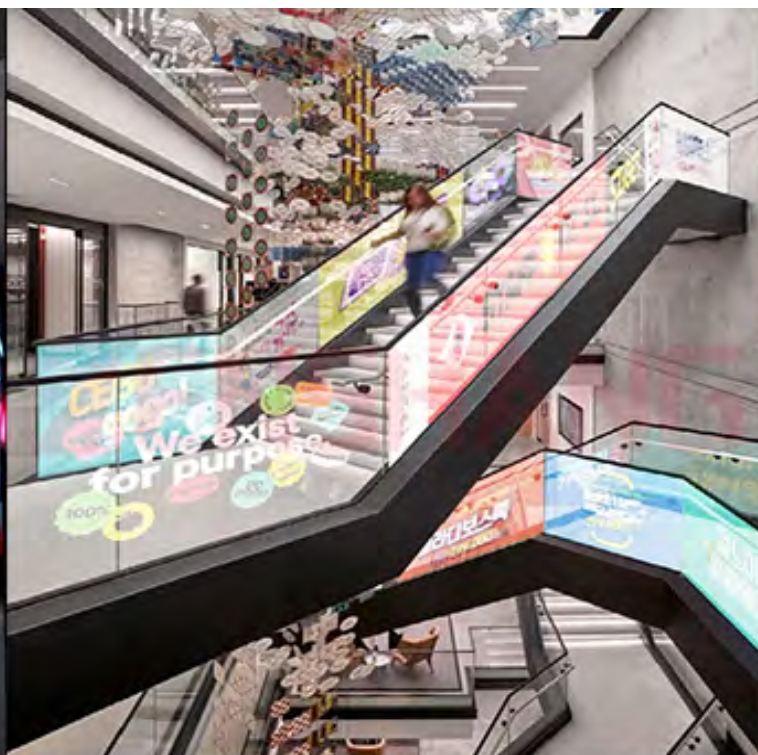
FILMBASE Holographic invisible display

Products	Invisible 06	Invisible 07	Invisible 08	Invisible 09
Pitch	P15	P20	P30	Consultation Customization
Screen brightness (nits)	0~4000	0~3000	0~1200	Consultation Customization
Visual transparency	≥95%	≥98%	≥98%	Consultation Customization
Pixel pitch	15×15mm	20×20mm	30×30mm	Consultation Customization
Module	W240×H≤1500	W240×H≤1500	W240×H≤1500	Consultation Customization
Pixel density	4356	2500	1089	Consultation Customization
Best view distance	≥15m	≥20m	≥30m	Consultation Customization
Viewing angle	≥160°	≥160°	≥160°	≥160°
Average square power	230W	160W	100W	Consultation Customization
Maximum square power	650W	480W	260W	Consultation Customization

Technical Parameters

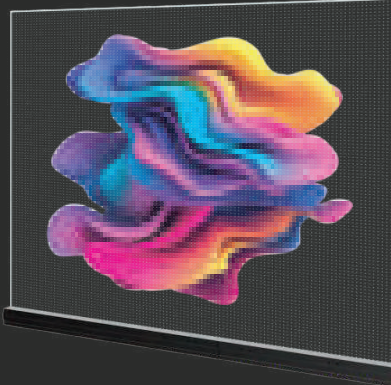
FILMBASE Holographic invisible display

Pixel size	1R1G1B	Control method	mobile phone/computer
Pixel packing	1515 / 2020	Support video	Internal storage/U disk/synchronization
Color uniformity	±0.003	Screen material	Flexible substrate + organic resin
Grayscale level	65536 levels	Working temperature	-20~50℃
Brightness adjustment	32-bit current gain	Storage temperature	-40~70℃
Drive method	Static state	Working humidity	10-90%
Refresh rate	3840	Storage humidity	5-95%



All Products

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VC Glass

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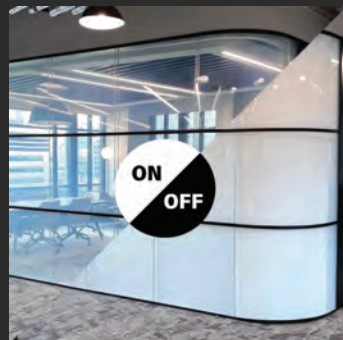
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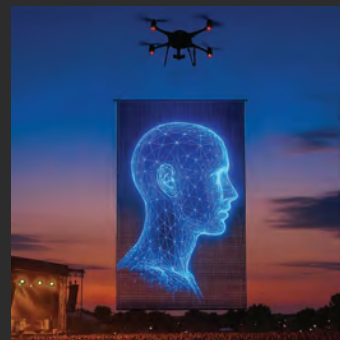
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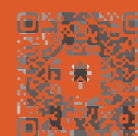
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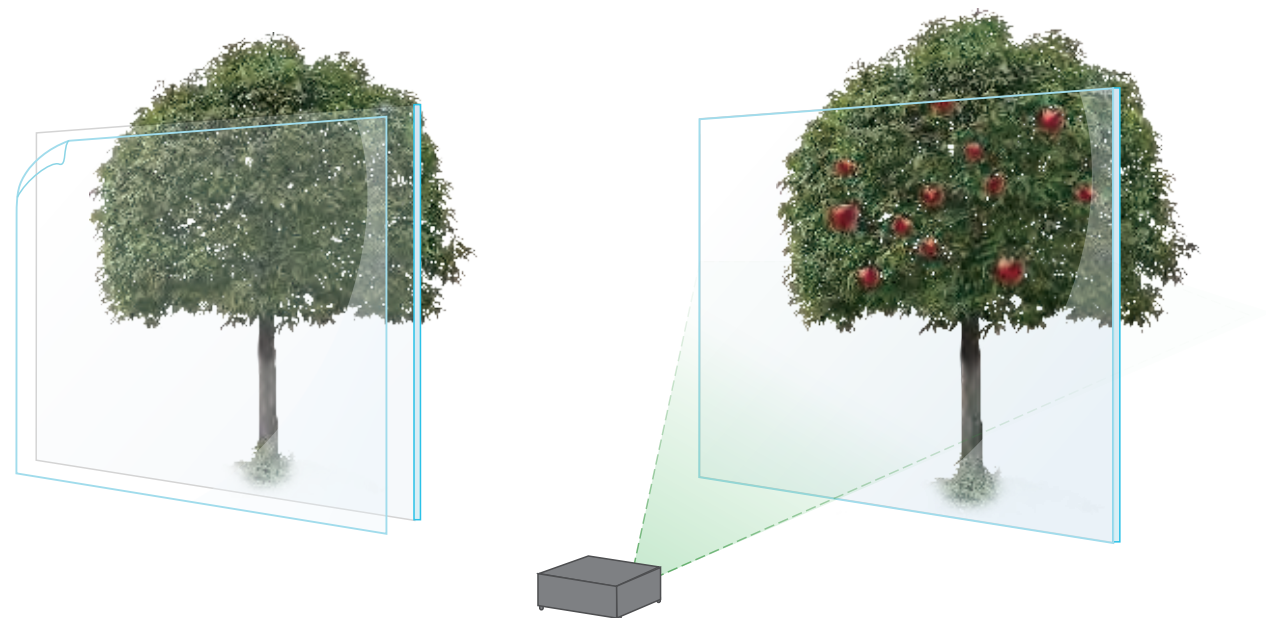


About UTD^{AR} film

Filmbase UTD^{AR} film (ultrathin transparency display) is based on the principle of projector reflection imaging, and the surface of the film is coated with a nano-scale photosensitive coating through a vacuum magnetron sputtering coating process, so that the film maintains a high transmittance and also has a high reflectivity (mirror appearance), 170-degree phantom imaging, composite phantom imaging and stereoscopic suspended phantom imaging.

A brand-new projection medium is displayed in important event scenes, which is more transparent than traditional screens, and can make the image suspended in the air to produce a hazy and magical visual effect.

UTD^{AR} film remains transparent while ensuring that the picture is still bright and the colors are vivid and saturated. The audience can see any object on the back through the holographic invisible screen, and can also use the light transmission secondary imaging, which is more transparent than the traditional projection screen, and can make the image suspended in the air.



Transparent HD

It has the unique characteristics of full transparency and high definition, which can be placed in the best advertising position. The visual effect of full transparency, high definition and 3D future technology can quickly improve the publicity effect.



High performance and low cost

The existing 3D transparent and AR display technologies on the market all require high costs, while Filmbase double sides projection film is a perfect combination of high performance and low cost



Ultra-thin profile

Simple and ultra-thin, resistant to strong light and anti-aging. The appearance is beautiful and generous, fully reflecting the fashion and avant-garde atmosphere.



Commercial value

The existing 3D transparent and AR display technologies on the market all require high costs, while Filmbase double sides projection film is a perfect combination of high performance and low cost.



Naked-eye AR screen

Naked eye augmented reality see-through display based on Filmbase transparent nano display chip technology. Visitors can not only appreciate the original display of exhibits, but also watch the dynamic product multimedia information completely superimposed on the exhibits, realizing the clever fusion of virtual information and the real world, creating a new way of displaying information, and bringing visitors a never-before-seen visual experience.

Widely used in all kinds of museums, science and technology museums, regulation museums, exhibition halls and so on.

Product Advantages

- Ultra-large size, single piece size of up to 130 square feet, and support the continuation of seamless splicing, ultra-high-definition, full-color, dynamic display;
- Floating three-dimensional 3D display, so that the virtual and reality skillfully fused;
- Instantly catch the eye of visitors, feel the new immersive scene;
- Support remote content update, can be timed on and off.

Product Parameters

Naked-eye AR screen

Thickness	0.2mm
Width	1320mm
Haze	<2.0%
Viewing angle	170°
Transmittance	>70%
Operating temperature	-20°C-60°C
Storage temperature	25°C±1°C
Storage humidity	35%-75%
Resolutions	up to 8k



Perspective dance screen

Specialized in stage beauty can be realized in the air dynamic imaging transparent display products, based on the Royal Light transparent nano-display chip technology research and development, the product has a transparent, high-definition and other qualities, to bring the audience a new immersive experience, with a variety of realistic, and the fusion of the reality of the scene so that the audience as if they were in the realm of reality.

Widely used in large-scale stage performances, performance halls, concerts, KTV, bars and other fields.

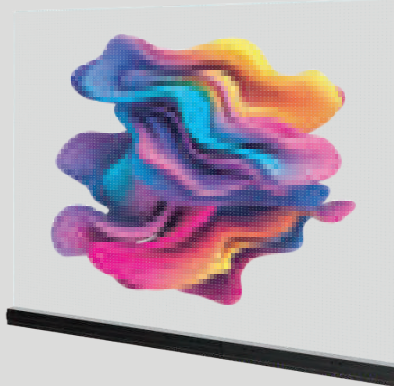
Product Advantages

- Large size, ultra-high definition, full color, dynamic display;
- Floating three-dimensional 3D display, creating a new visual effect;
- High permeability, highly integrated with the stage environment;
- The screen can be adjusted by electric lifting, convenient for installation;
- Simple installation method, easy maintenance.

Product Parameters		Perspective dance screen
Thickness	0.2mm	
Width	1320mm	
Haze	<2.0%	
Viewing angle	170°	
Transmittance	>70%	
Operating temperature	-20°C-60°C	
Storage temperature	25°C±1°C	
Storage humidity	35%-75%	
Resolutions	up to 8k	

All Products

Media Glass



Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



VC Glass

Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



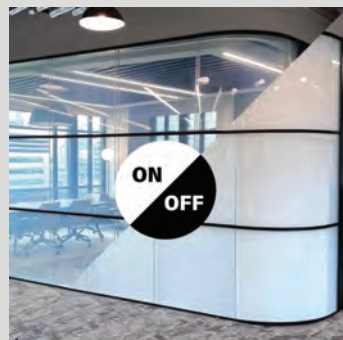
LED FILM

Glass Curtain Walls, Showcase Display, Advertising Media, Space & Partition Decoration, Home Design, Commercial Display & Functional Signage



SWITCHABLE GLASS

Offices, Hotels, Banks, Stores, Clubs, Hospitals & Villas.



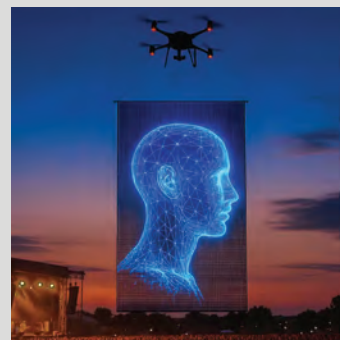
SMART FILM

PDLC is used in Projection Function, Interior & Architectural Design, Commercial Centers, Rail Transportaion & Industrial Products.



UTDAR FILM

Exhibition, Museum, Superstore, Science & Tech Museum, Culture & Toursim.



FLYING SCREEN

Event Organizers, Influencers, Commercial Value, Live Concerts both indoor outdoor.

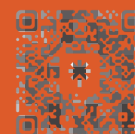
FILMBASE
Pakistan

SMART FILM

PDLC is used in Projection Function, Interior & Architectural Design, Commercial Centers, Rail Transportaion & Industrial Products.

Filmbase Technologies
(Pvt.) Ltd.

House No. 03, 2nd Floor, Shahrah-E-Aiwan-E-Sanat-O-Tijarat,
Shadman, Lahore, Punjab, Pakistan. +92 300 0643184
www.filmbasepakistan.com, info@filmbasepakistan.com

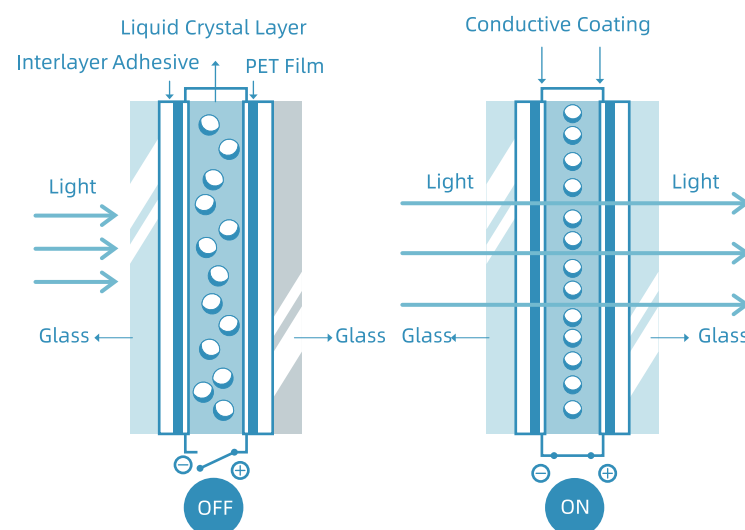


About Smart Film

Smart film is a new type of electronic light control product. The electronically controlled smart film is 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 smart 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 electrically controlled dimming film changes from an opaque state (OFF) to a transparent state (ON).

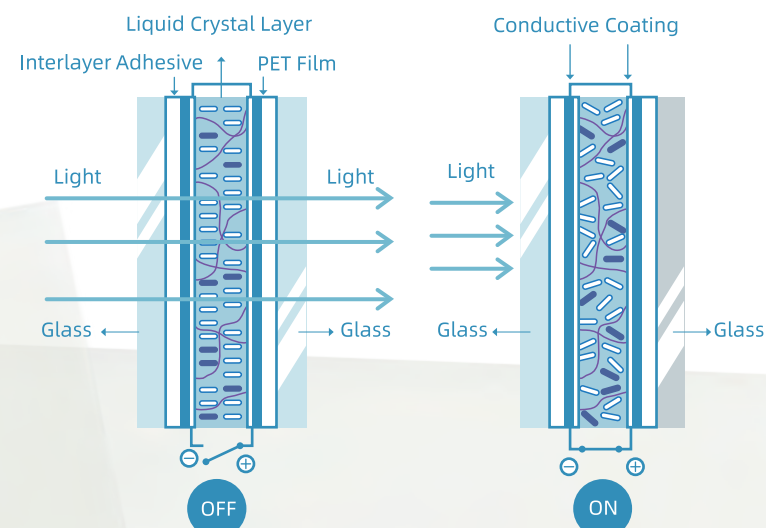


PDLC

PNLC film different from normal PDLC smart film, the working principle of PNLC film is opaque-power on, clear power off.

The electric field enables a rapid transition from the ON state to the OFF state and from the OFF state to the ON state.

Smart film is usually applied to the surface of the glass or laminated between the glass layers, making the otherwise transparent glass, more possible.

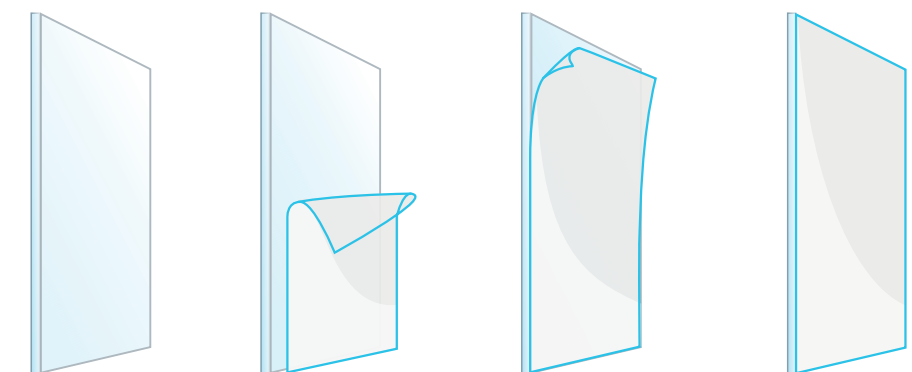


PNLC

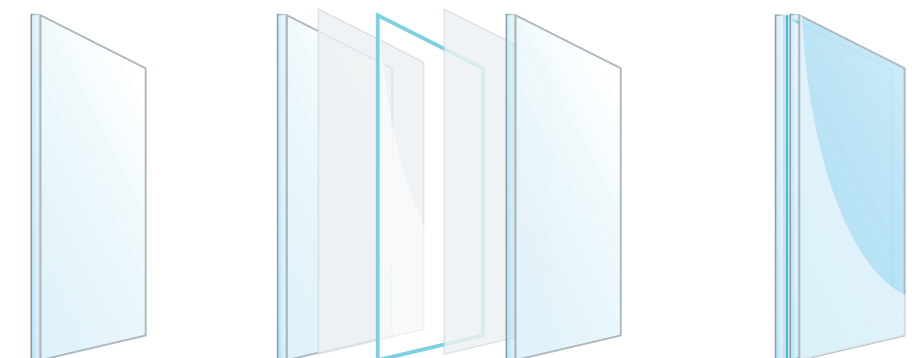
Two types

Smart Film

There are two types of Smart films, Self-adhesive Smart film and Laminated Smart film.



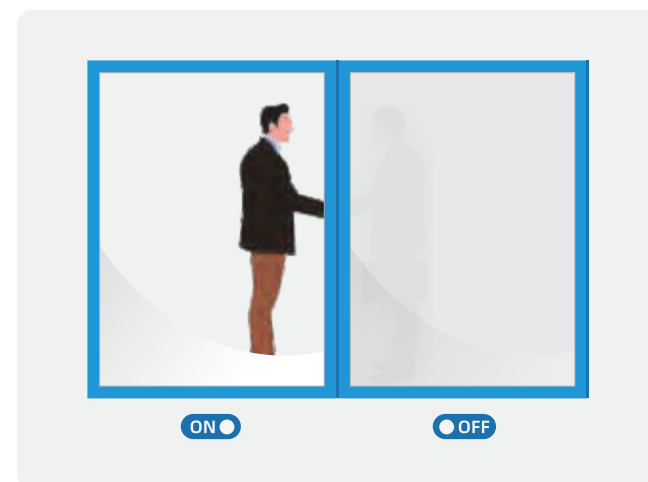
Self-adhesive Smart film



Laminated Smart film

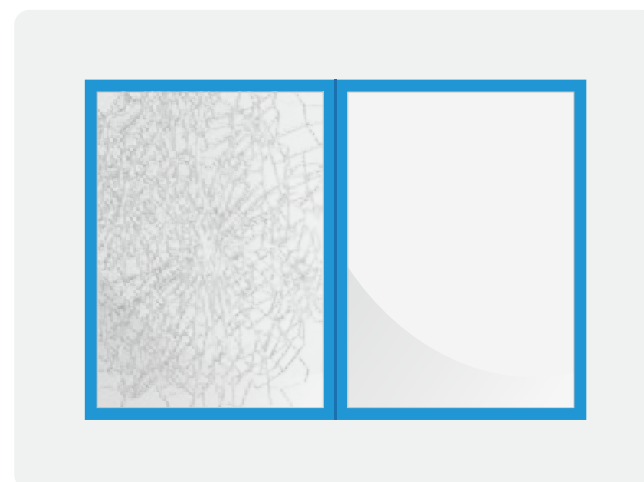
Characteristics

Smart Film



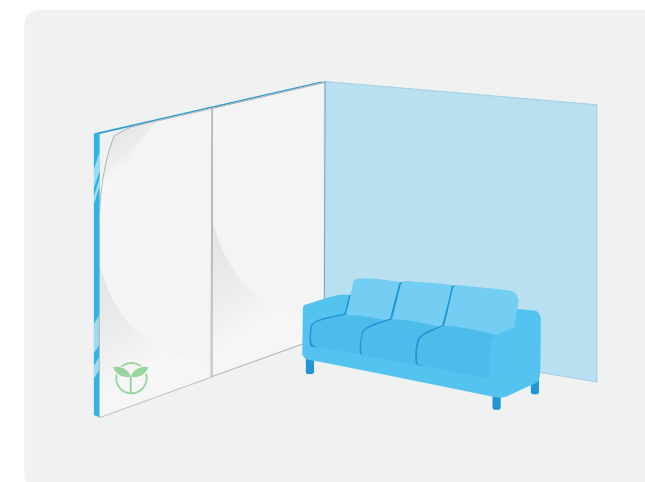
Privacy protection

To protect your privacy and security, you can control it to be transparent or opaque at any time. Make your space more malleable, choose open or private at will.



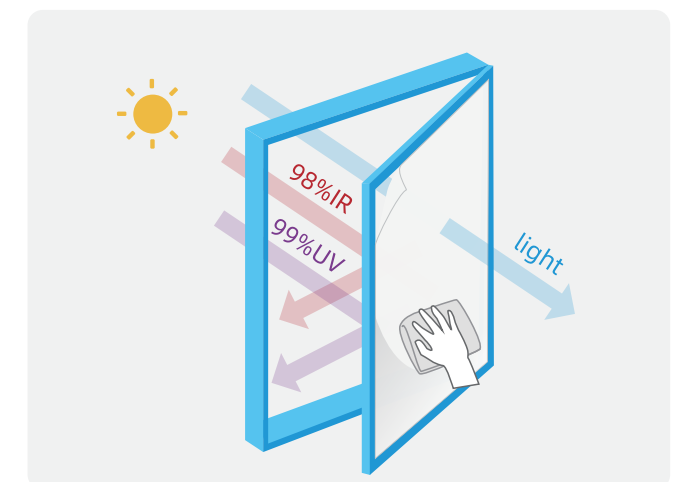
Security

Even if the glass is broken, the fragments can still be adsorbed on the PDLC film, which can avoid personal injury caused by broken glass.



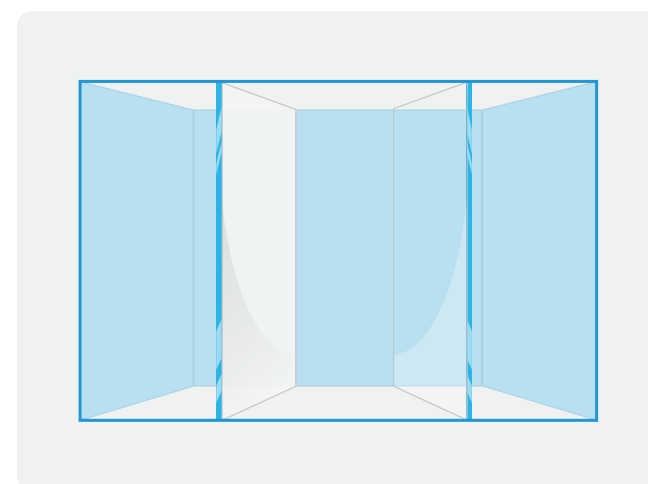
Environmental protection

The installation of PDLC film can effectively reduce the loss of decoration, which can better reduce pollution and protect the environment.



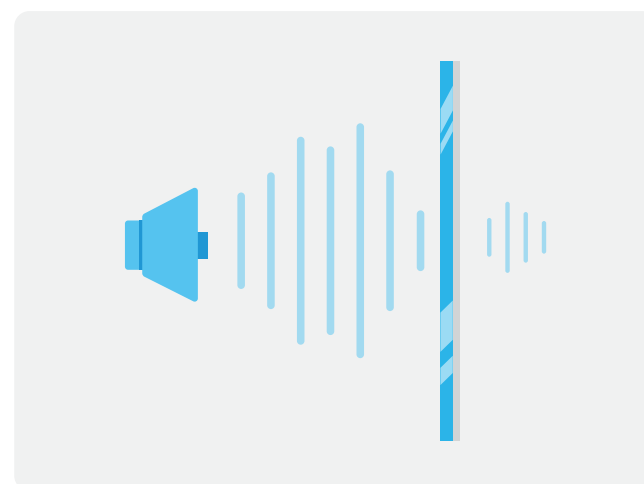
Heat-resistant and anti-scratch

The maximum operating temperature is 105°C, which allows the product to continue to operate at higher temperatures. The anti-scratch layer protects the surface of the product from daily scratches and does not affect the clarity of the product itself.



Space partition

With the use of PDLC film, glass partitions can easily differentiate between different spaces, making your three-dimensional space more malleable and versatile.



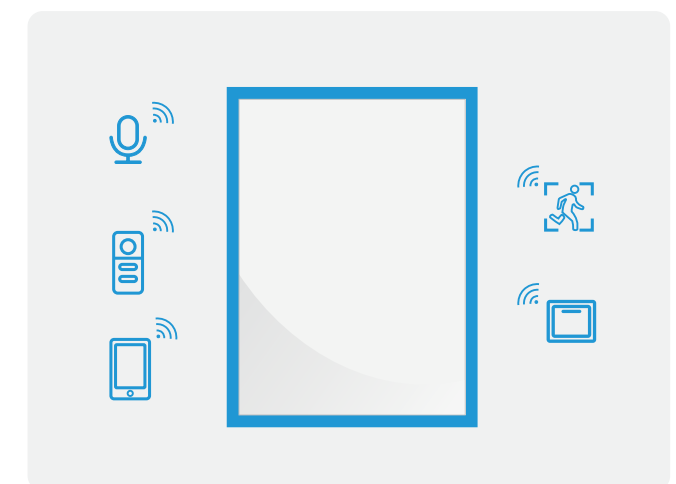
Anti-noise

Compared with ordinary glass, the anti-noise ability of glass using Filmbase PDLC film is increased by 20%.



Touch screen and projection

Using a high-definition projector, it is easy to realize the viewing scene, with a viewing angle of 180°, 4K picture quality display effect, and with the radar can be multi-touch, video interaction.



Various control methods

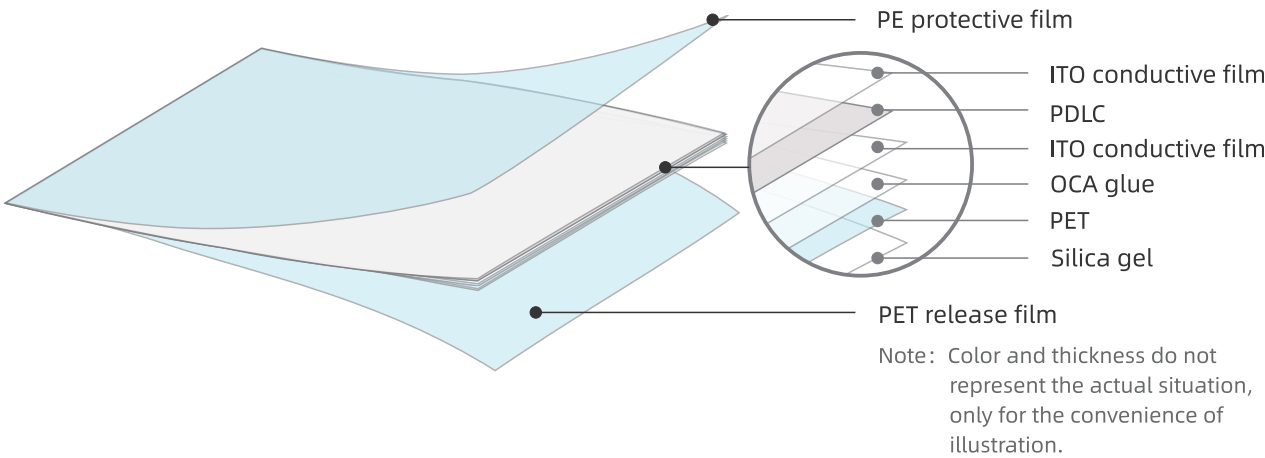
In order to meet your various needs, you can choose your preferred control method: remote control, wired control, infrared induction, voice control, mobile application, etc. In addition, an FM transformer can be selected to gradually change the film.



FILMBASE 091

FILMBASE 091 is the luxury PDLC film in the today market with 90%-92% transmittance,< 3% haze, which maximizes the clarity of the original glass and enhances privacy.

It is used in scientific research institutions, intelligence agencies, luxury villas, president's office, super 5-star hotels, Hollywood theaters, and other places that require ultra-transparency and absolute privacy.



Size

FILMBASE 091

Items			
Adhesive PDLC film	Total Thickness		0.47mm
	Cut to Sheet	Width	100-1800(mm)
		Length	100-50000(mm)
	Roll	Width	1200,1500,1800(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches
Laminated PDLC film	Total Thickness		0.38mm
	Cut to Sheet	Width	100-1800(mm)
		Length	100-50000(mm)
	Roll	Width	1200,1500,1800(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches

Optical Parameter

FILMBASE 091

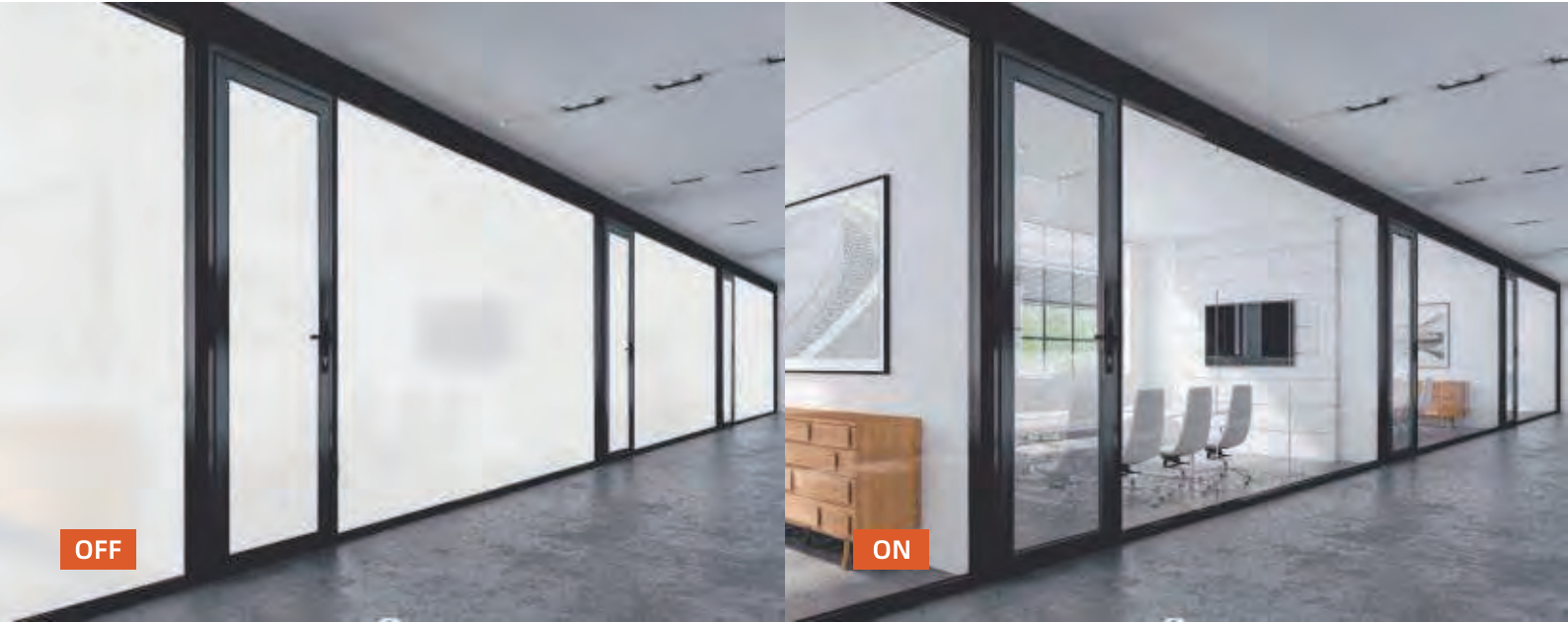
Items		ON/OFF	Test Methods/Standards
Operating voltage		ON 60V	Multimeter/ Voltage Regulator,WGW
Power consumption		ON ≤ 5W/m²	Multi-parameter electric measuring instrument
Viewing angle		ON ≥ 160°	Visual Inspection
Uv blocking rate		OFF ≥ 99%	Optical transmittance tester
Infrared blocking rate		OFF ≥ 60%	
Response time	OFF→ON	≤ 30 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200 ms	
Operating temperature		-- -30°C ~ 50°C	constant temperature and humidity testing machine
Life-span		-- 100000 Hours	GB18910.5-2008
Switching times		-- ≥2 million times	Self-made on/off tester

PDLC film is driven by AC power, colorless and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

Product Transparency / Haze

FILMBASE 091

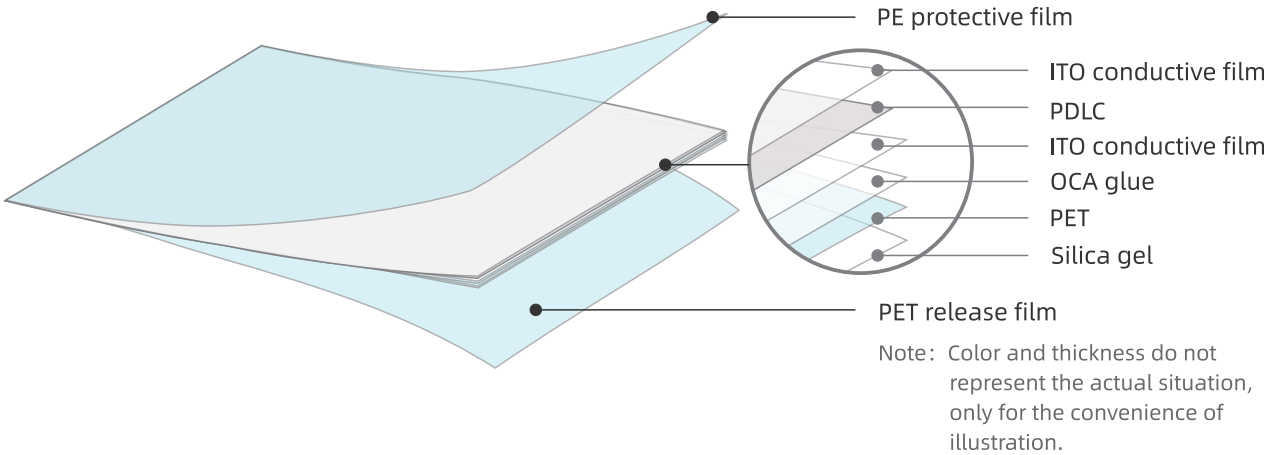
Items	Full light tester				Parallel light tester	
	ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Adhesive PDLC film	OFF	94.5	85.0	7.57	/	/
	ON	3.00	91.0	5.29	60.0	88.0
Laminated PDLC film	OFF	94.5	85.0	6.79	/	/
	ON	3.00	91.0	4.31	60.0	88.0



FILMBASE 087

087 is Filmbase most hot sales item ,Super clear 87-89% Transmittance and nice 3-4% haze .

It is suitable for modern office partitions, space partitions, conference halls, museums, exhibition centers, star hotels, bars, shops, hospitals and other places that need to integrate the functions of transparency, privacy, partition and projection display.

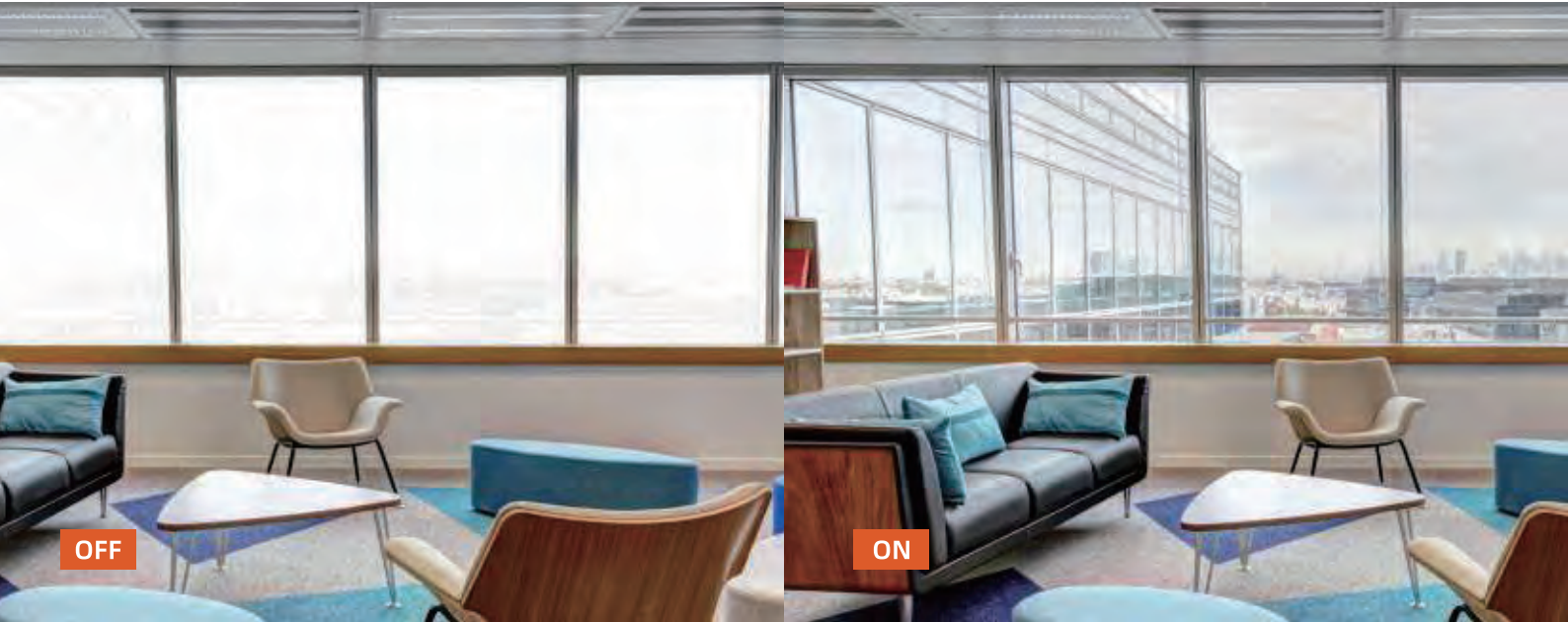


Size			FILMBASE 087
Items			
Adhesive PDLC film	Total Thickness		0.47mm
	Cut to Sheet	Width	100-1800(mm)
		Length	100-50000(mm)
	Roll	Width	1000,1200,1500,1800(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches
Laminated PDLC film	Total Thickness		0.38mm
	Cut to Sheet	Width	100-2100(mm)
		Length	100-50000(mm)
	Roll	Width	1000,1200,1400,1500,1800,2000,2100(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches

Optical Parameter			FILMBASE 087
Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 30 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200 ms	
Operating temperature	--	-30°C ~ 50°C	constant temperature and humidity testing machine
Life-span	--	100000 Hours	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

PDLC film is driven by AC power, colorless and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

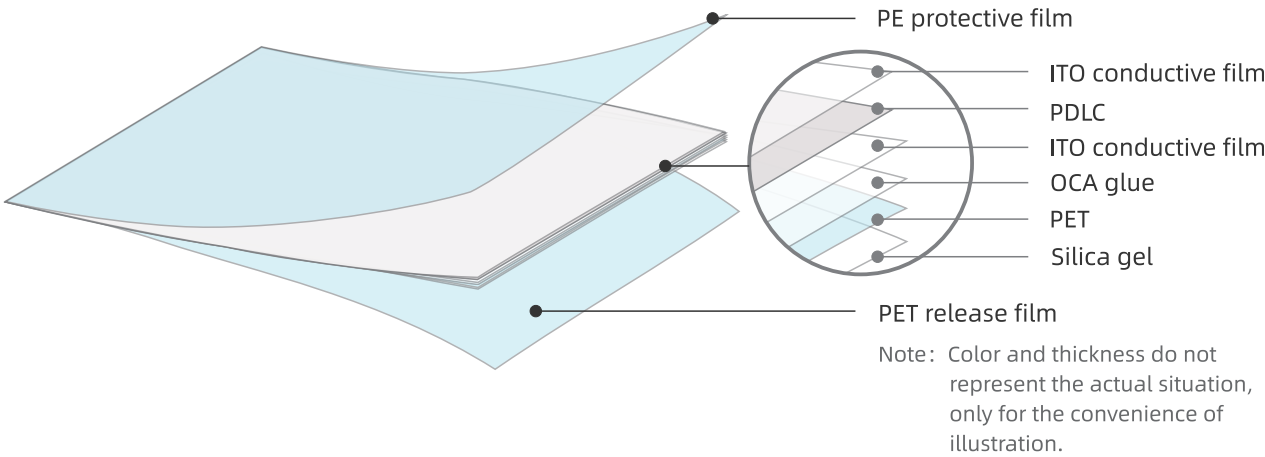
Product Transparency / Haze			FILMBASE 087			
Items	Full light tester				Parallel light tester	
	ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Adhesive PDLC film	OFF	94.5	78.0	6.95	/	/
	ON	4.53	88.0	4.71	58.0	86.0
Laminated PDLC film	OFF	94.5	78.0	5.9	/	/
	ON	4.53	88.0	3.72	58.0	86.0



FILMBASE 085

085 is Filmbase most cost effective item,Nice clear 84-86% Transmittance and nice 4-5% haze ,which is very welcome by the projects which does not request super high transparency and low haze applications.

It is suitable for modern office partitions, space partitions, conference halls, museums, exhibition centers, star hotels, bars, shops, hospitals and other places that need to integrate the functions of transparency, privacy, partition and projection display.



SizeFILMBASE 085			
Items			
Adhesive PDLC film	Total Thickness		0.47mm
	Cut to Sheet	Width	100-1800(mm)
		Length	100-50000(mm)
	Roll	Width	1000,1200,1500,1800(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches
Laminated PDLC film	Total Thickness		0.38mm
	Cut to Sheet	Width	100-2100(mm)
		Length	100-50000(mm)
	Roll	Width	1000,1200,1500,1800,2000,2100(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches

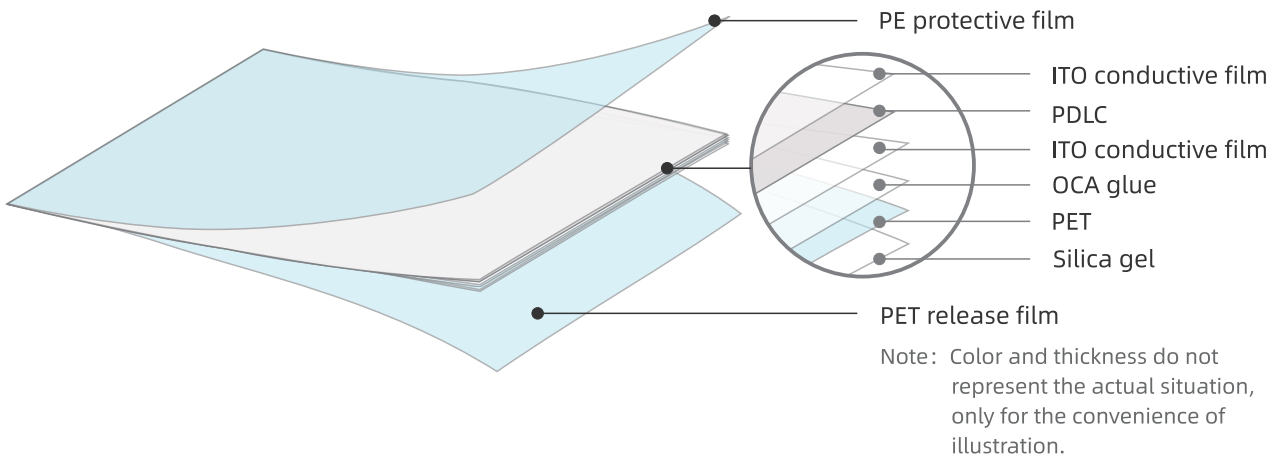
Optical ParameterFILMBASE 085			
Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 30 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200 ms	
Operating temperature	--	-30°C ~ 50°C	constant temperature and humidity testing machine
Life-span	--	100000 Hours	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester
PDLC film is driven by AC power, colorless and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.			

Product Transparency / HazeFILMBASE 085						
Items	Full light tester				Parallel light tester	
	ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Adhesive PDLC film	OFF	94.5	78.0	6.62	/	/
	ON	4.53	84.0	4.56	58.0	82.0
Laminated PDLC film	OFF	94.5	78.0	5.64	/	/
	ON	4.53	84.0	3.55	58.0	81.0



FILMBASE Warrior

Filmbase Warrior series PDLC film is designed for high temperature application, Such as large-scale architectural curtain walls, outdoor partitions, glass balconies, outdoor swimming pool fences etc.

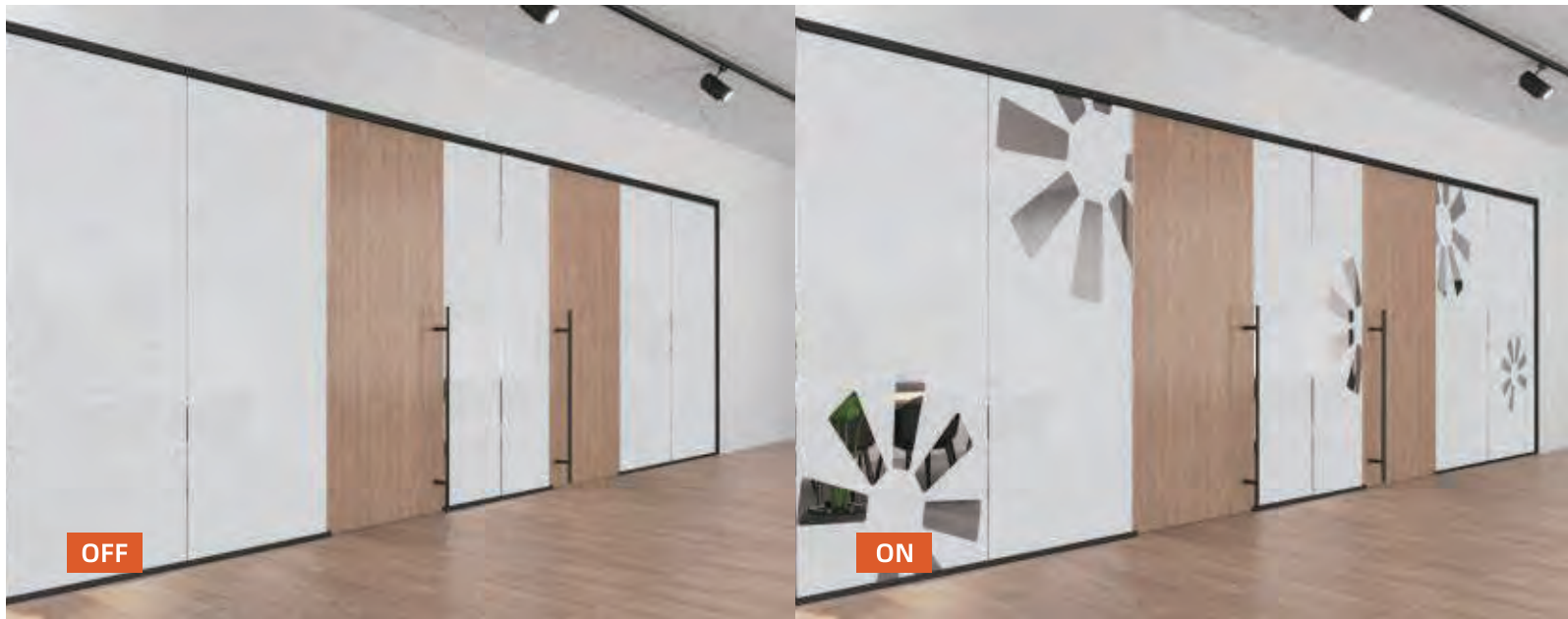


FILMBASE Warrior			
Size			
Items			
Adhesive PDLC film	Total Thickness		0.47mm
	Cut to Sheet	Width	100-1500(mm)
		Length	100-50000(mm)
	Roll	Width	1200,1500(mm)
		Length	30meters /50meters
	Roll tube	Inner Diameter	6 inches

FILMBASE Warrior			
Optical Parameter			
Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 30 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200 ms	
Operating temperature	--	-30℃ ~ 90℃	constant temperature and humidity testing machine
Life-span	--	100000 Hours	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

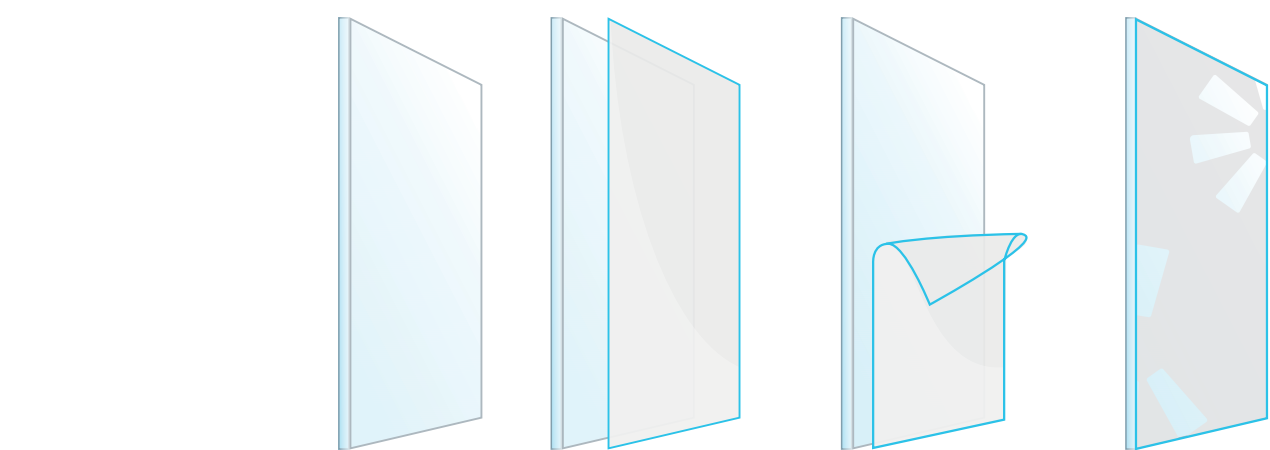
PDLC film is driven by AC power, colorless and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

FILMBASE Warrior						
Product Transparency / Haze						
Items	Full light tester				Parallel light tester	
	ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
/	OFF	94.5	78.0	5.93	/	/
	ON	4.53	83.5	3.77	58.0	81.0



FILMBASE Limited edition

Limited edition is Filmbase luxury customized series, which allow etching content inside the smart film , such as company logo, slog,products, art paintings, pictures etc. , All contents can be switchable automatically. Can be sandwiched into the glass or Adhesive onto the exited glass to click to privacy.



Size

FILMBASE Limited edition

Items			
Adhesive PDLC film	Total Thickness		0.47mm
	Cut to Sheet	Width	less than1500
		Length	less than1500
Laminated PDLC film	Total Thickness		0.38mm
	Cut to Sheet	Width	less than1500
		Length	less than1500

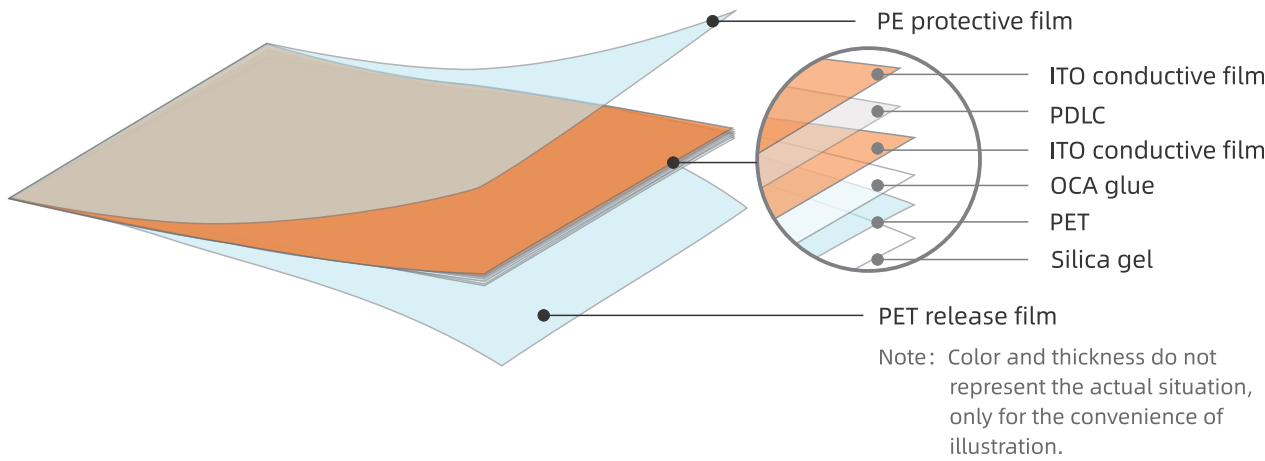
Optical Parameter		FILMBASE Limited edition	
Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 30 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200 ms	
Operating temperature	--	-30°C ~ 50°C	constant temperature and humidity testing machine
Life-span	--	100000 Hours	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

Product Transparency / Haze		FILMBASE Limited edition				
Items	Full light tester				Parallel light tester	
	ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Adhesive PDLC film	OFF	94.5	78.0	6.95	/	/
	ON	4.53	88.0	4.71	58.0	86.0
Laminated PDLC film	OFF	94.5	78.0	5.9	/	/
	ON	4.53	88.0	3.72	58.0	86.0



FILMBASE Colorful

Filmbase Colorful PDLC film is designed for the application where need different colors such as gray, black, red, green, blue or other colors. Warmly welcomed by art centers, kindergartens, supermarkets, theme restaurants, places that need diversified design.can be sandwiched into the glass or Adhesive onto the exited glass to click to privacy.



Size

FILMBASE Colorful

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

Optical Parameter

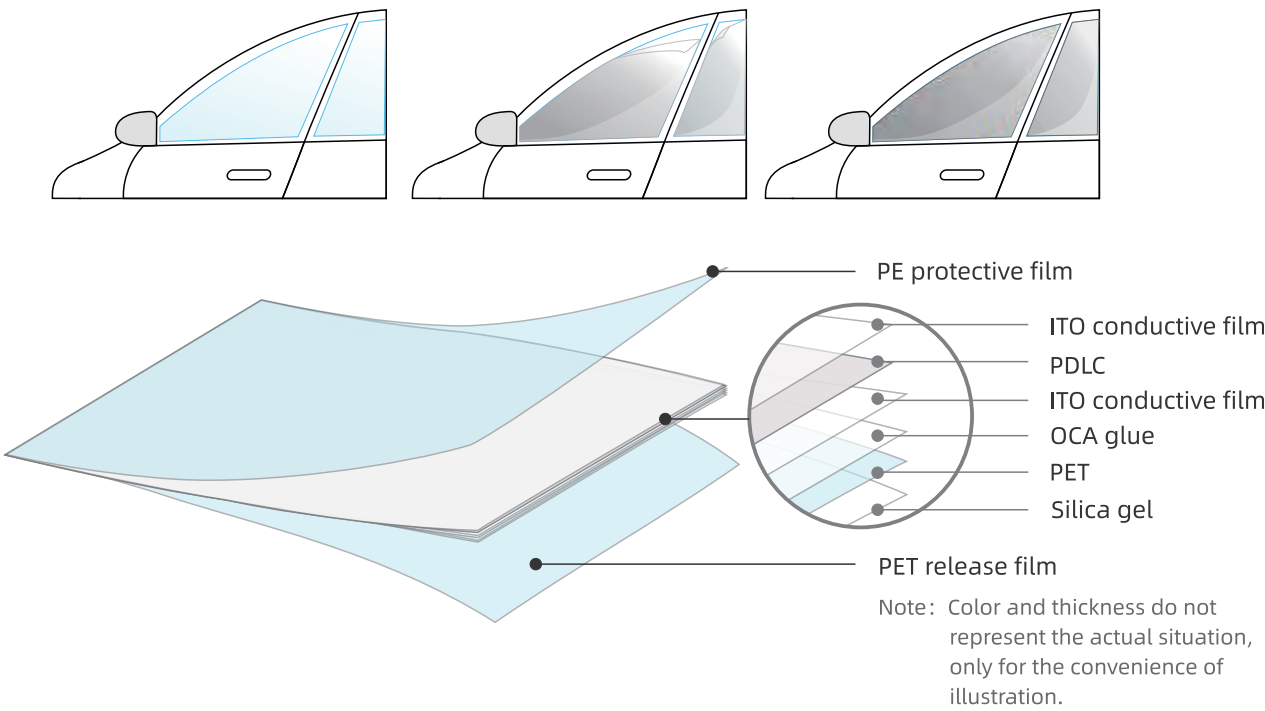
FILMBASE Colorful

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 30 ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200 ms	
Operating temperature	--	-30°C ~ 50°C	constant temperature and humidity testing machine
Life-span	--	100000 Hours	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester



FILMBASE Auto Smart Film

Auto smart film is a smart film product developed by our company on the basis of the first generation of smart film, using special substrates and wide temperature liquid crystal materials, and specially developed for automotive use conditions.



Product Size

Auto smart film

Items		
Thickness	Total thickness (without protective film)	0.13mm
	PDLC	0.12mm
	Silica gel	0.01mm
	PE protective film	130μm
	PET release film	50μm
Sheet	Width	1200,1500 ¹ *mm
	Length	According to customer requirements
Roll	Width	1250,1500 ² *mm
	Length	≤ 50m/Roll
Roll tube	Inner Diameter	6 inches

Note*: This width is the actual size, the width of the calculated area is 1200,1500, mm

Photoelectric Performance

Auto smart film

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 82%	
Response time	OFF→ON	≤ 30ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200ms	
Operating temperature	--	-30℃ ~ 95℃	constant temperature and humidity testing machine
Lifetime	--	10 -15 years	GB18910.5-2008
Switching times	--	≥ 100 ten thousand Times	Self-made on/off tester

Auto smart filmis driven by AC power, gray and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

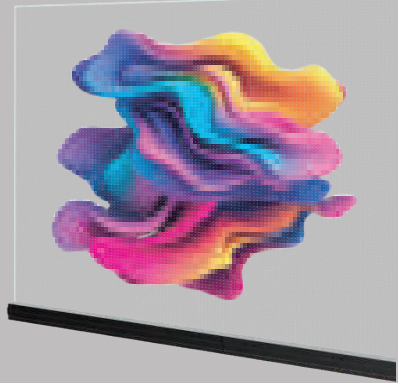
Product Transparency / Haze

Auto smart film

Items	Full light tester				Parallel light tester	
	ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Adhesive PDLC film	OFF	94.2	51.19	5.24	/	/
	ON	2.94	56.43	3.2	38.4	55.26

All Products

Media Glass



Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



VC Glass

Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



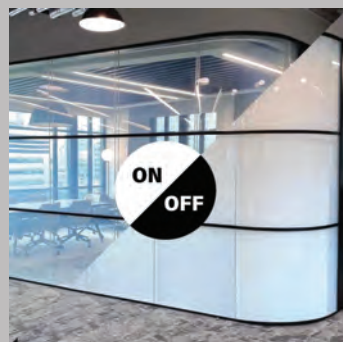
LED FILM

Glass Curtain Walls, Showcase Display, Advertising Media, Space & Partition Decoration, Home Design, Commercial Display & Functional Signage



SWITCHABLE GLASS

Offices, Hotels, Banks, Stores, Clubs, Hospitals & Villas.



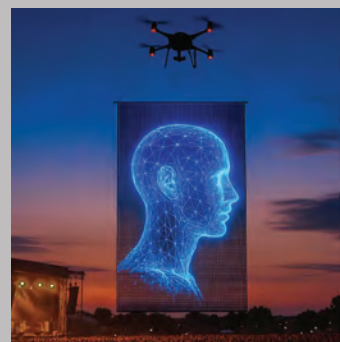
SMART FILM

PDLC is used in Projection Function, Interior & Architectural Design, Commercial Centers, Rail Transportation & Industrial Products.



UTDAR FILM

Exhibition, Museum, Superstore, Science & Tech Museum, Culture & Toursim.



FLYING SCREEN

Event Organizers, Influencers, Commercial Value, Live Concerts both indoor outdoor.

Filmbase Technologies
(Pvt.) Ltd.

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FILMBASE
Pakistan

SWITCHABLE GLASS

Offices, Hotels, Banks, Stores,
Clubs, Hospitals & Villas.

About Switchable Glass

Switchable glass with Filmbase's premium Polymer Dispersed Liquid Crystal (PDLC) technology allows glass to turn on, off, or anywhere in between in milliseconds for diverse light control applications.

Switchable glass in the absence of an electric field, the electronically controlled PDLC film is in an opaque state. When an alternating current is applied, at which point the switchable glass changes from an opaque state (OFF) to a transparent state (ON).



Dynamic Privacy

Complete privacy or transparency when you need and want it most.



High ROI

Mitigate longterm costs associated with cleaning, cooling, and signage.



Optimize Space

Replace thick studded walls with thin partitions or section open floor plans with minimalist solutions.



Anti-noise

Compared with ordinary glass, the anti-noise ability of glass using Filmbase PDLC film is increased by 20%.



Temperature Control

Solar Control smart films reflect IR light providing cooler interiors and less HVAC costs.



Dynamic Designs

Custom shapes and patterns add style and function to windows and partitions.



Easy To Clean

Eliminate fabric or electronic curtains that are hard to clean and collect germs while affecting designs.



Various control methods

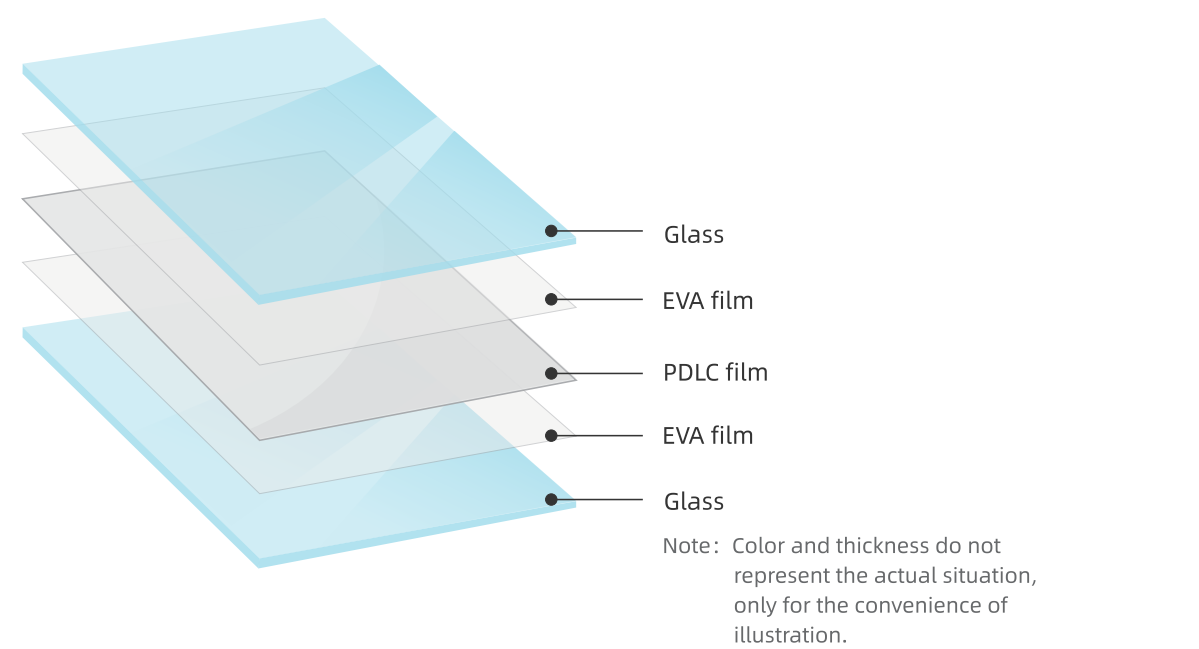
In order to meet your various needs, you can choose your preferred control method: remote control, wired control, infrared induction, voice control, mobile application, etc. In addition, an FM transformer can be selected to gradually change the film.





FILMBASE 0404/0505/0606

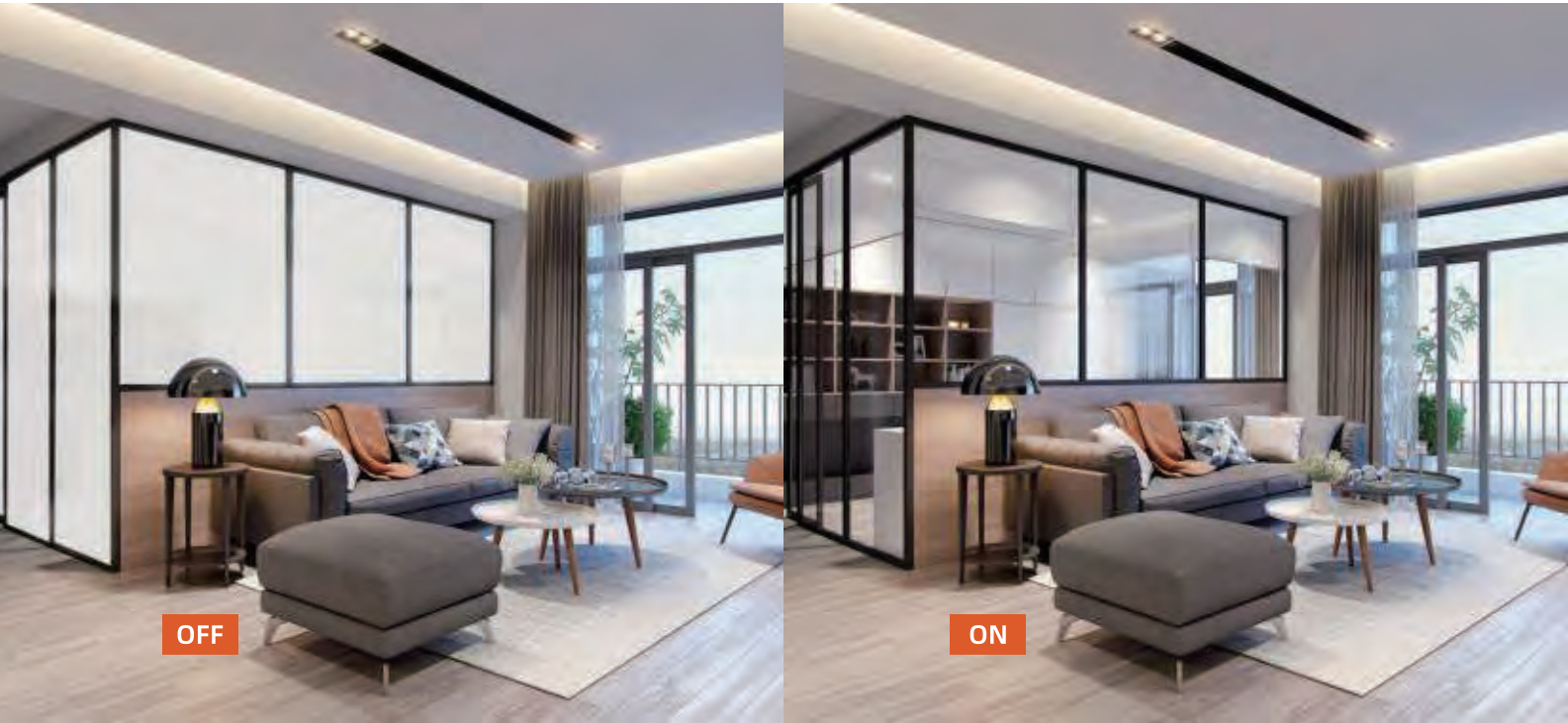
Filmbase switchable smart glass with PDLC film sandwiched in two pieces of glass of the same thickness, when power on it is transparency , when power off it becomes opaque ,with glass and smart curtain in one technology ,plus support rear projection to display videos,pictures and letters . Which can be widely used in space partition or facade where more open view ,privacy and display functions needed. 85% ,87% and 91% transmittance ,colorful available.



Product Parameters		FILMBASE 0404	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	79%	80%	83%
Light transmittance (off)	67%	68%	70%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	1800×2400mm	1800×2400mm	1800×2400mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

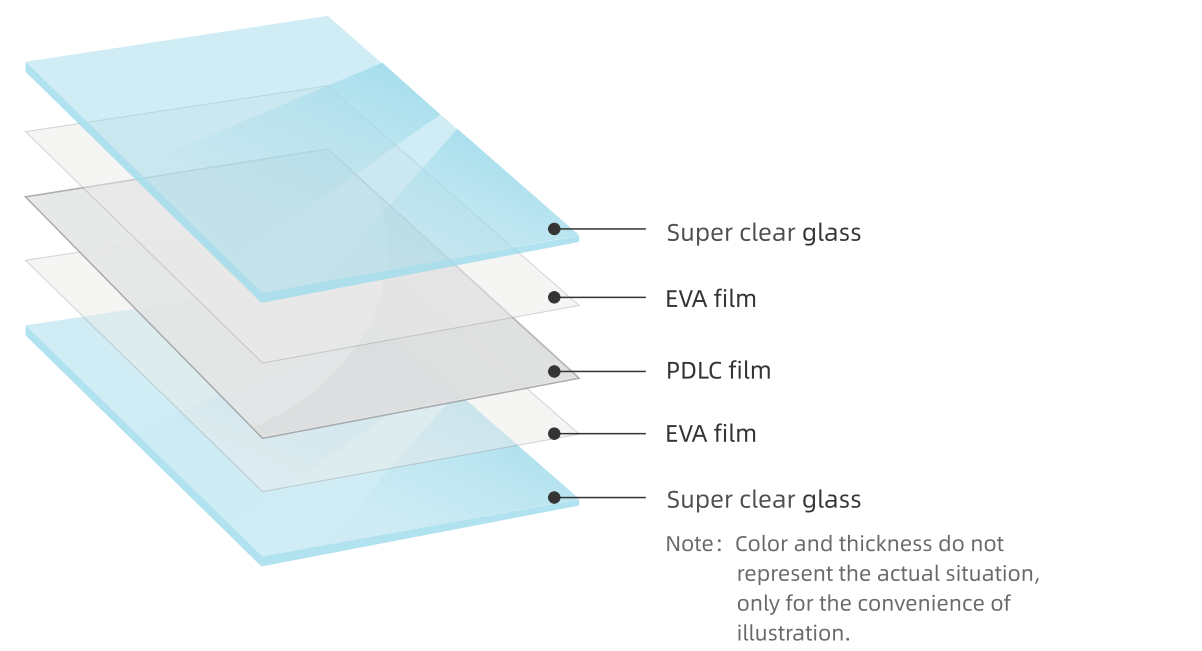
Product Parameters		FILMBASE 0505	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	80%	81%	84%
Light transmittance (off)	67%	68%	72%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	2000×2800mm	2000×2800mm	2000×2800mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

Product Parameters		FILMBASE 0606	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	79%	80%	83%
Light transmittance (off)	67%	68%	70%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	2000×3000mm	2000×3000mm	2000×3000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		



FILMBASE 0404 plus/0505 plus/0606 plus

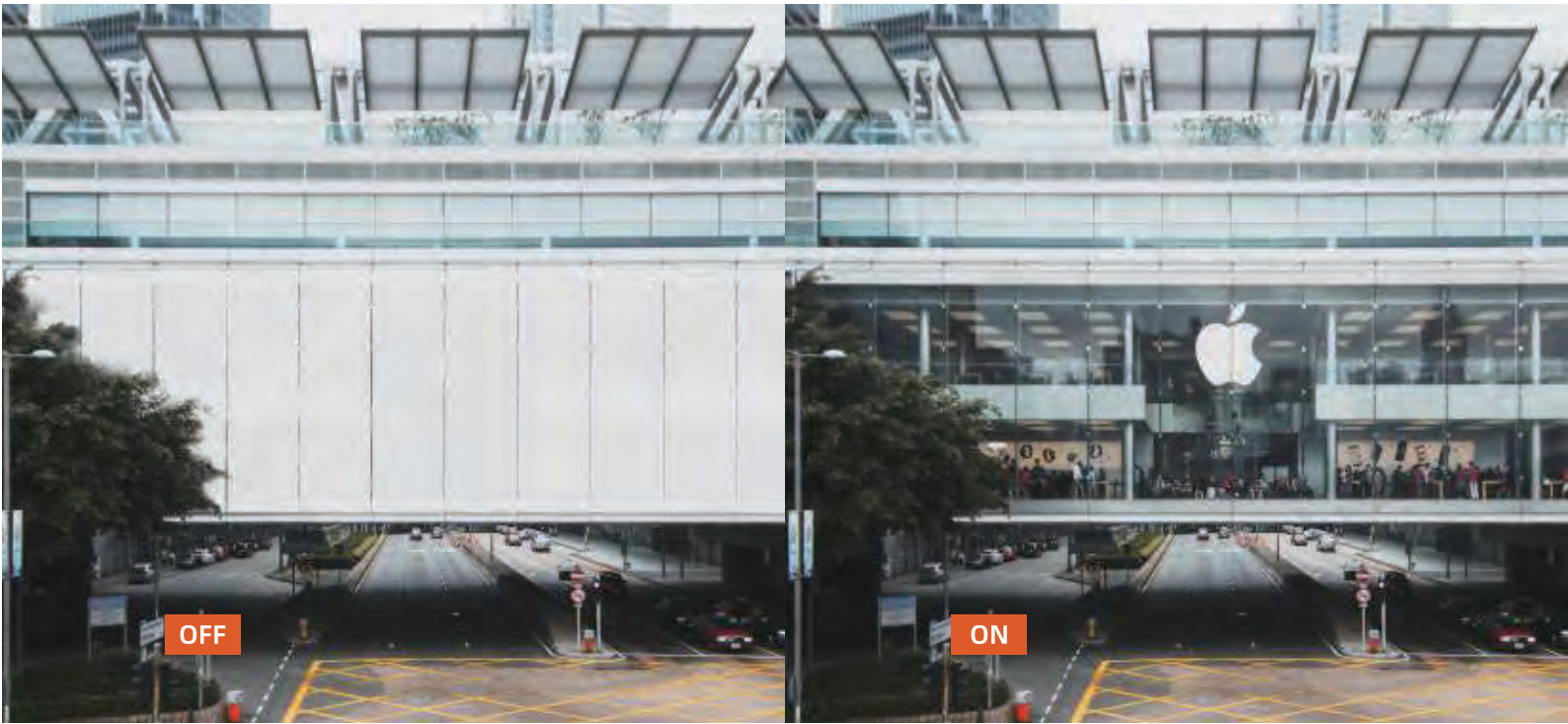
Filmbase switchable smart glass with PDLC film sandwiched in two super clear low-E identical thickness glasses , when power on it is transparency , when power off it becomes opaque ,with Glass and smart curtain in one technology ,plus support rear projection to display Videos ,pictures and letters. which can be widely used in space partition or facade where more open view ,privacy and display functions needed. 85%,87% and 91% transmittance ,colorful available.



Product Parameters		FILMBASE 0404 Plus	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	82%	83%	87%
Light transmittance (off)	70%	71%	75%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	1800×2400mm	1800×2400mm	1800×2400mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

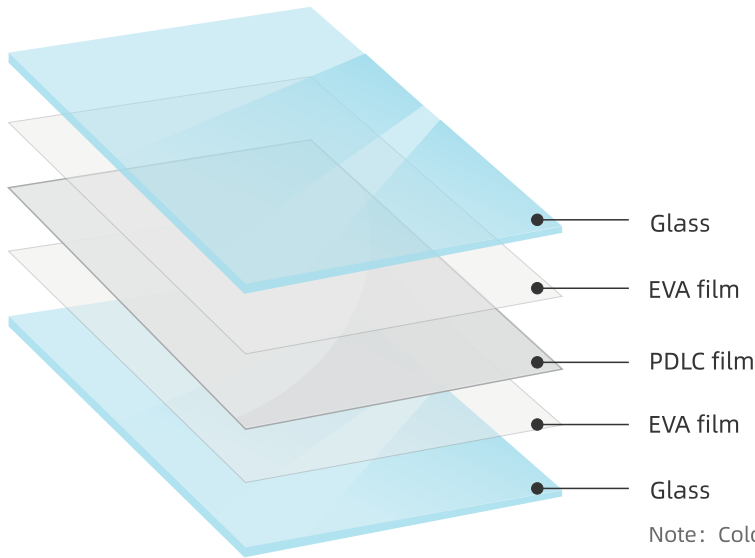
Product Parameters		FILMBASE 0505 Plus	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	81%	82%	86%
Light transmittance (off)	69%	70%	74%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	2000×2800mm	2000×2800mm	2000×2800mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

Product Parameters		FILMBASE 0606 Plus	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	81%	82%	86%
Light transmittance (off)	68%	69%	72%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	2000×3000mm	2000×3000mm	2000×3000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		



FILMBASE 0808/1010/1212

Filmbase switchable smart glass with PDLC film sandwiched in two pieces of glass of the same thickness, when power on it is transparency , when power off it becomes opaque ,with glass and smart curtain in one technology ,plus support rear projection to display videos,pictures and letters . Which can be widely used in space partition or facade where more open view ,privacy and display functions needed. 85% ,87% and 91% transmittance ,colorful available.



Note: Color and thickness do not represent the actual situation, only for the convenience of illustration.

Product Parameters

FILMBASE 0808

Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	78%	79%	82%
Light transmittance (off)	64%	65%	68%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m ²	5w/m ²	5w/m ²
Compatible with	Eva	Eva	Eva
Biggest size	2000×4000mm	2000×4000mm	2000×4000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

Product Parameters

FILMBASE 1010

Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	69%	70%	73%
Light transmittance (off)	55%	56%	59%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m ²	5w/m ²	5w/m ²
Compatible with	Eva	Eva	Eva
Biggest size	2000×5000mm	2000×5000mm	2000×5000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

Product Parameters

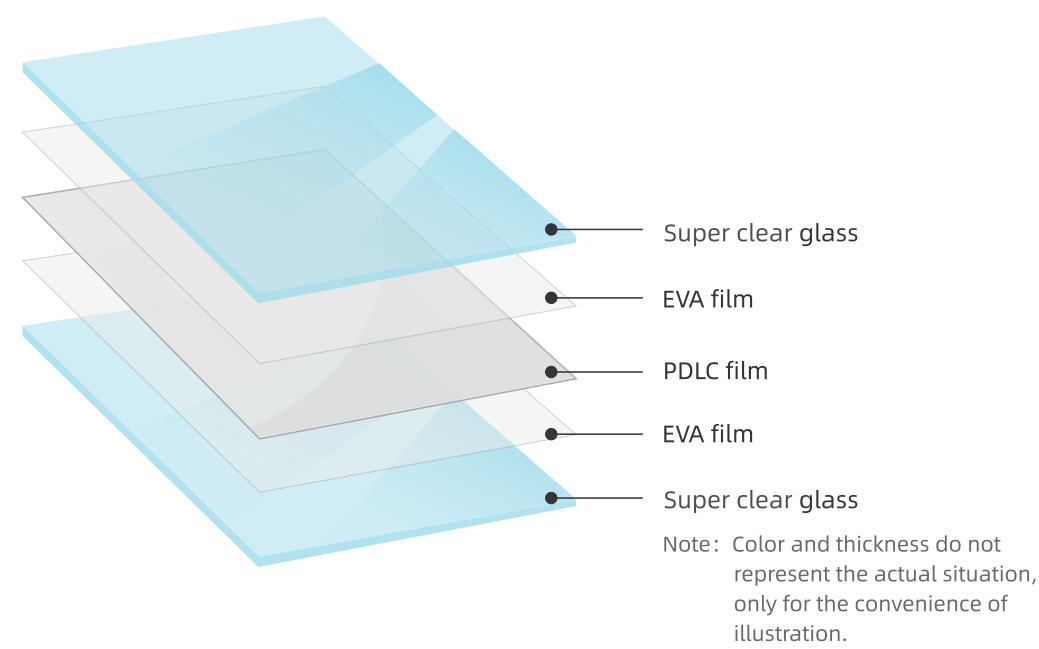
FILMBASE 1212

Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	65%	66%	67%
Light transmittance (off)	49%	50%	51%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m ²	5w/m ²	5w/m ²
Compatible with	Eva	Eva	Eva
Biggest size	2000×6000mm	2000×6000mm	2000×6000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		



FILMBASE 0808 plus/1010 plus/1212 plus

Filmbase switchable smart glass with PDLC film sandwiched in two super clear low-E identical thickness glasses , when power on it is transparency , when power off it becomes opaque ,with Glass and smart curtain in one technology ,plus support rear projection to display Videos ,pictures and letters. which can be widely used in space partition or facade where more open view ,privacy and display functions needed. 85%,87% and 91% transmittance ,colorful available.



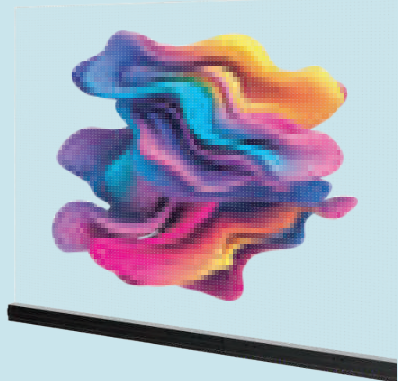
Product Parameters		FILMBASE 0808 Plus	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	81%	82%	84%
Light transmittance (off)	67%	68%	71%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	2000×4000mm	2000×4000mm	2000×4000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

Product Parameters		FILMBASE 1010 Plus	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	80%	81%	85%
Light transmittance (off)	64%	65%	67%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	2000×5000mm	2000×5000mm	2000×5000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

Product Parameters		FILMBASE 1212 Plus	
Items	085 PDLC film	087 PDLC film	091 PDLC film
Film color	White	White	White
Haze (on)	6%	4%	3%
Haze (off)	94%	94%	94%
Light transmittance (on)	80%	81%	84%
Light transmittance (off)	61%	62%	65%
Uv block	>99%	>99%	>99%
Ir block	>86%	>86%	>86%
Power consumption	5w/m²	5w/m²	5w/m²
Compatible with	Eva	Eva	Eva
Biggest size	2000×6000mm	2000×4000mm	2000×6000mm
Input voltage	100-120v 60Hz / 220-240v 50hz		
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other		

All Products

Media Glass



Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



VC Glass

Glass Curtain Walls, Brand Chain Stores, Windows Commercial Centers, Exhibition Displays, Space



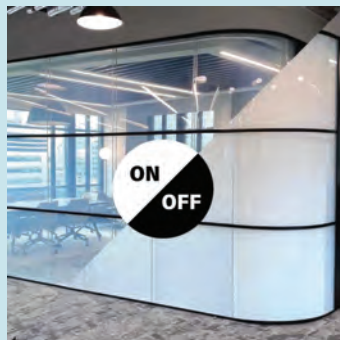
LED FILM

Glass Curtain Walls, Showcase Display, Advertising Media, Space & Partition Decoration, Home Design, Commercial Display & Functional Signage



SWITCHABLE GLASS

Offices, Hotels, Banks, Stores, Clubs, Hospitals & Villas.



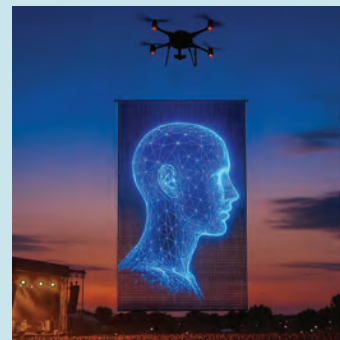
SMART FILM

PDLC is used in Projection Function, Interior & Architectural Design, Commercial Centers, Rail Transportaion & Industrial Products.



UTDAR FILM

Exhibition, Museum, Superstore, Science & Tech Museum, Culture & Toursim.



FLYING SCREEN

Event Organizers, Influensers, Commercial Value, Live Concerts both indoor outdoor.

FILMBASE
Pakistan

VC GLASS

Filmbase VC glass is an eco-friendly, energy-saving material that boosts insulation and reduces noise, even in extreme temperatures.

Filmbase Technologies
(Pvt.) Ltd.

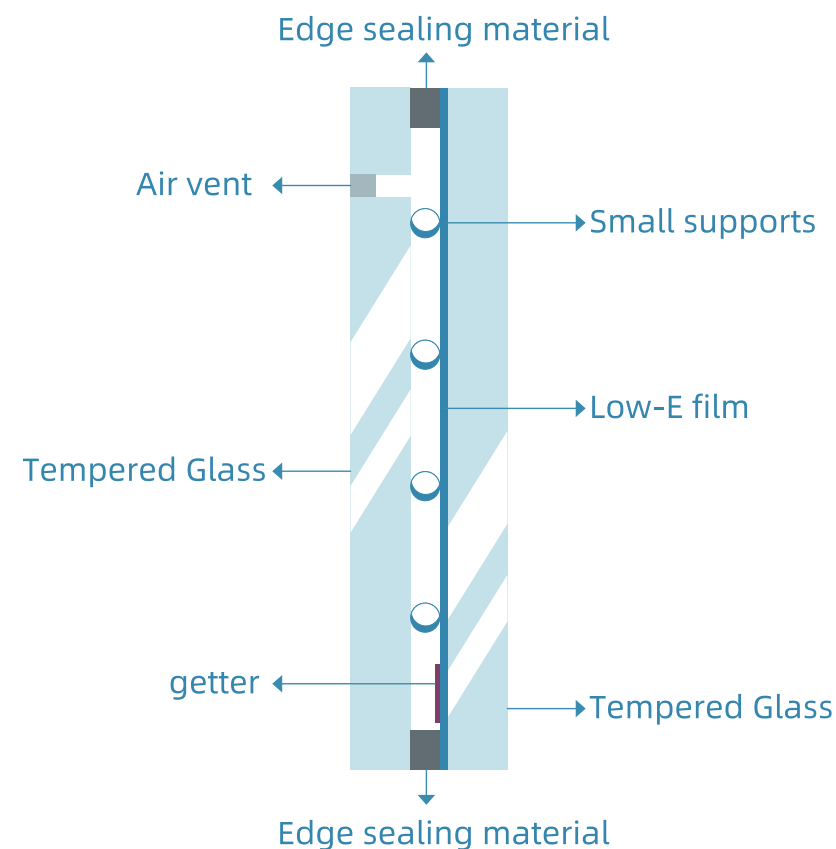
House No. 03, 2nd Floor, Shahrah-E-Aiwan-E-Sanat-O-Tijarat,
Shadman, Lahore, Punjab, Pakistan. +92 300 0643184
www.filmbasepakistan.com, info@filmbasepakistan.com



About VC Glass

Filmbase VC-Glass has the characteristics of excellent thermal insulation, sound insulation, noise reduction, anti-condensation performance, high wind pressure strength, long service life and so on.

At present, Filmbase VC-Glass has excellent performance in improving energy efficiency, improving the comfort of living environment and energy saving, and is the ideal choice for modern building and home improvement.



Product Advantages



More secure

The stress at any point on the surface of the product exceeds **90MPa**, The wind pressure resistance strength of Filmbase VC-Glass reaches **+7200Pa**.



Size worry free

The maximum size of a single product can reach **1.5x2.5** meters.



Sound insulation

The sound insulation and noise reduction performance of Filmbase VC-Glass is based on the fact that sound does not propagate under vacuum conditions. The weighted sound insulation reaches **39 dB**.



Thermal insulation

Its heat transfer coefficient (U value) is as low as **0.4 W/m²·K**, significantly reduces energy loss and building energy consumption. The thermal insulation effect is more than 1 meter thick brick wall, is **4~6** times of ordinary insulating glass.



Anti condensation

There is no gas inside the Filmbase VC-Glass, and even if the outdoor temperature reaches minus 40°C it will not condense. It has passed RoHS certification and can be fully applied to the high-end home appliance market worldwide.



Various angles

Filmbase VC-Glass is not affected by the change of gas thermal conductivity when placed horizontally.



Long service life

All-glass material seal, internal plus getter and Low-E film, as long as the manufacturing process and equipment advanced, Filmbase VC-Glass service life is much longer than the organic material sealed hollow glass.



Be even quality

We have passed the ISO9001:2015 quality system certification and have undergone rigorous system and process audits by Bosch Home Appliances to ensure the reliable quality of every piece of Filmbase VC-Glass. We are also insured by PICC quality assurance insurance.

VCTM —Glass Heat insulation Performance

Based on the principle of vacuum bottle, its thermal insulation performance is far better than ordinary insulating glass, can effectively reduce the heat transfer caused by temperature difference.

Can reach **0.27**
Solar heat gain coefficient(SHGC)

Can reach **0.66**
Sunshade coefficient(Sc)



Save 50%

Save 50% on air conditioning costs



Block UV 99%

Resistance to UV rays reaches 99%



Block heat 95%

Thermal insulation performance reaches 95%

Light weight and elegant, showcasing industrial aesthetics.

No condensation occurs when the temperature difference between the inside and outside exceeds 70 °C, away from the problem of condensation.

Restore the original appearance of high-end winter curtain walls and transparent display windows.

VCTM —Glass
Anti condensation Performance

Because the heat transfer coefficient of Filmbase VC-Glass is much smaller than that of insulating glass, can effectively prevent the environmental heat transfer to the interior of the refrigerator, reduce the start-up times of the compressor, reduce energy consumption. At the same time, does not need to paste electric thermal film on the glass surface, further reduces energy consumption.

Product parameters

Product	U value W/(m ² ·K)	Visible Light Transmittance	Volume isolation	Regular size	Biggest size
5TL+0.3V+5T	0.50	75%	39dB	1500x2000mm	2000x3000mm

*5T represents 5mm thick white glass; 0.3V represents a 0.3mm thick vacuum layer; 5TL represents 5mm thick Low-e glass; 9A represents a 9mm thick hollow layer; 0.76P represents a 0.76mm thick adhesive layer.