



CLOSED



OPEN

Window Fly Integrated

>99%
UV Block

5W/m²
Low Power



High strength aluminum alloy Stealth
High strength aluminum alloy door frame combined with hinge design is adopted.



Space department
Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Transparent switching
The internal PLCD film provides privacy protection and natural lighting by switching between transparent and atomized states.



Isolate the noise
The noise-canceling properties of glass using Filmbase PDLc film are increased by 20% compared to ordinary glass.



Safe and durable
It has excellent insulation, sound insulation, waterproofing and windproof performance, and safety and durability are also taken into consideration.



Easy to clean
Fabric or electronic curtains that are difficult to clean and affect the designs by collecting germs eliminate.



BEDROOM



BALCONY



NEGOTIATION ROOM



Product Parameters

| | | |
|--------------------------------------|--|--|
| Products | Standard glass | Door frame color |
| 120- Integrated window fly screen | 5+5+15a+5 (with 84 Super White accessories) | Metallic Gray, Brown, Iron Crystal Black, Sand Gray |

Detailed parameters

Material wall thickness: 1.8mm, frame width 120mm, opening fan width 70mm.

Outward open, up-hanging, outward flat open up-hanging, open fan height up to 1500mm, open fan width up to 750mm, straight door, straight door open fan up to 2300mm, straight door activity fan width up to 1000mm, minimum height up to 500mm can be made. Hydraulic cushion hinges are required for an additional charge of RMB 150 per piece.

| | | |
|--------------------------------------|--|--|
| Products | Standard glass | Door frame color |
| 113- Integrated window fly screen | 5+5+15a+5 (with 84 Super White accessories) | Metallic Gray, Brown, Iron Crystal Black, Sand Gray |

Detailed parameters

Material wall thickness: 2.0mm, frame width 113mm, opening fan width 70mm.

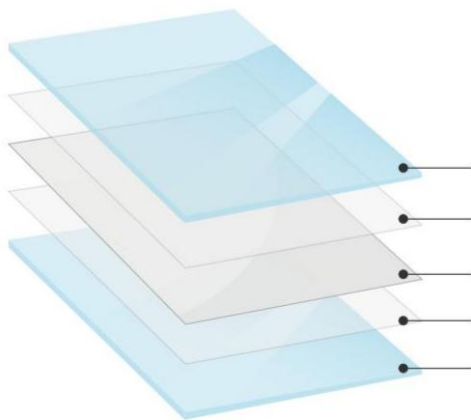
Outward open, up-hanging, outward flat open up-hanging, open fan height up to 1500mm, open fan width up to 750mm, straight door, straight door open fan up to 2300mm, straight door activity fan width up to 1000mm, minimum height up to 500mm can be made. Hydraulic cushion hinges are required for an additional charge of RMB 150 per piece.

Optical Parameter

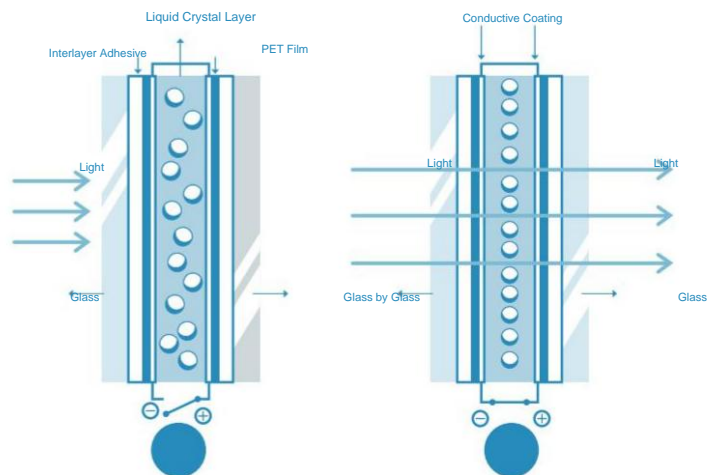
| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, GWV |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | |
| Infrared blocking rate | CLOSED | 60% | Optical temperature tester |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural

Technical Principles

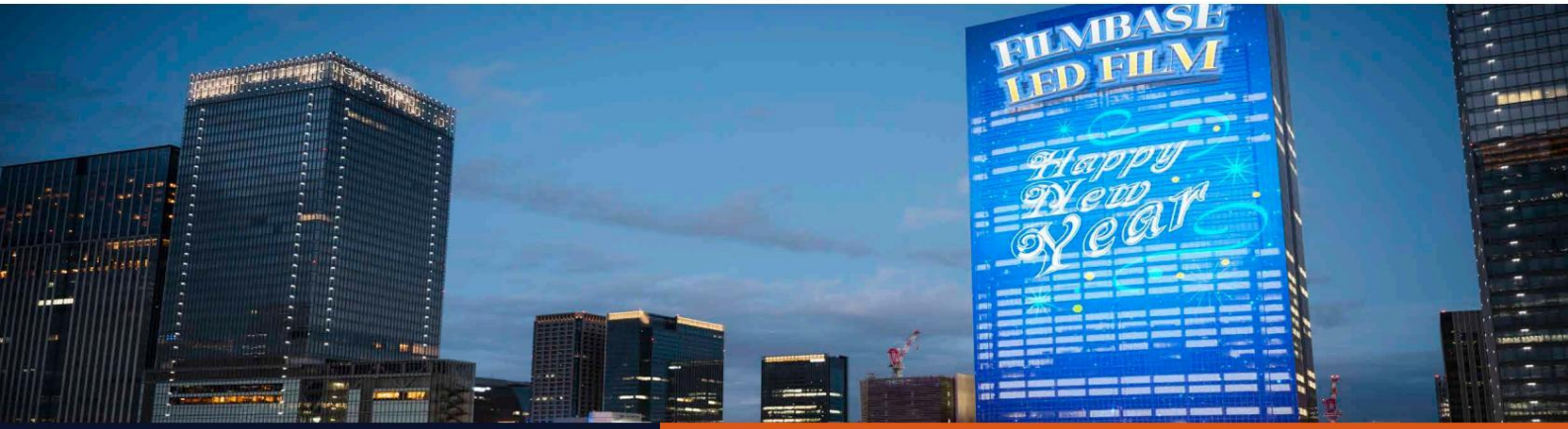


Glass
EVA film
PDLC film
EVA film
Glass



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.



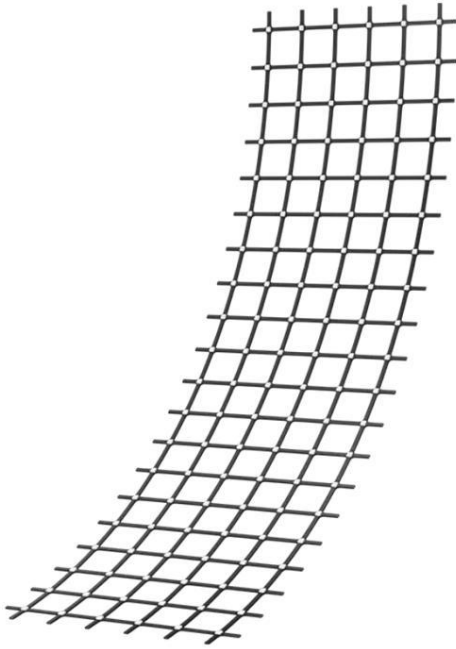


Hanging LED Film

95-99% 75%

Visual Transparency

Energy Savings



Adjustable high
brightness



High
resolution transparent



Ultra thin 2mm



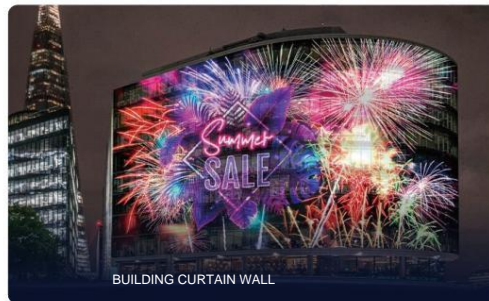
Multiple screens



It is easy to install,
Male+Female connect,
plug and play

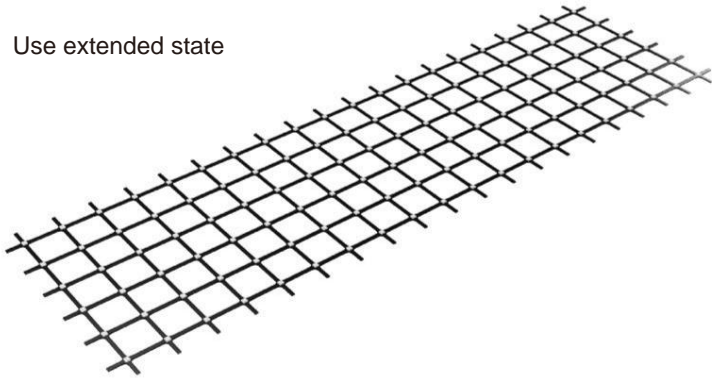


Multiple controls



| Name | Project | Parameters |
|----------------|---------------------|-------------------------|
| LED display | Screen size | W4.8*H15m |
| | Resolving Power | P40 |
| | December | 40*40mm |
| | Pixel | 300,000 points |
| | Input Voltage | DC24V |
| | Entry Type | Lithium battery |
| | Lamp Bead Packaging | 5050 |
| | Driving Mode | Static state |
| | Renewal Frequency | 3840/1920Hz |
| | Chip Structure | RGB+IC |
| | System Support | Novastar |
| | Working Method | Phone, iPad |
| | Media Format | Video; images |
| | Video Format | AVI; MP4; WMV; MOV |
| Display Format | JPG; PNG; GIF; BMP | |
| Power battery | Battery name | Ternary lithium battery |
| | Battery capacity | 10.4 Ah |
| | Use group | 5 groups |
| | Cell model | 18650 |
| | Charge voltage | 25.2V |
| | Nominal voltage | 22.22V |

Use extended state



Rolling condition



*Color, thickness and size do not reflect the actual situation and are provided for ease of display only.





Luxury

Media Glass

95-99 % 75%

Visual Transparency

Energy Savings



Support
privatization



160° viewing angle



Now and the future
last front



HD+ up to 95%
transparency



Support
playing 3D videos, pictures, letters



Visible from the screen,
Glass + screen +
control box all in one



It is easy to install,
Male+Female connect, plug and
play



Easy to use,
Intelligent control support
APP,
Computer, USB



BUILDING CURTAIN WALL



3D VIEWING SCREEN



WALL PROTECTOR



Product Model

| Products | Luxury 01 | Luxury 02 | Luxury 03 | Luxury 04 |
|---------------------------|--------------|--------------|--------------|--------------|
| Field | P4 | P5 | P6 | P8 |
| Screen brightness (nits)* | 0-5000 | 0-5000 | 0-5000 | 0-5000 |
| Visual transparency | 90% | 90% | 95% | 95% |
| Pixel pitch | 4x4 mm | 5x5 mm | 6x6 mm | 8x8 mm |
| Module | W240 x H1500 | W240 x H1500 | W240 x H1500 | W240 x H1500 |
| Pixel density | 62500 | 40,000 | 27556 | 15625 |
| Best visibility | 4m | 5m | 6m | 8m |
| Viewing angle | 160° | 160° | 160° | 160° |
| Mean square power | 230W | 230W | 230W | 230W |
| Maximum square power | 650W | 650W | 650W | 650W |

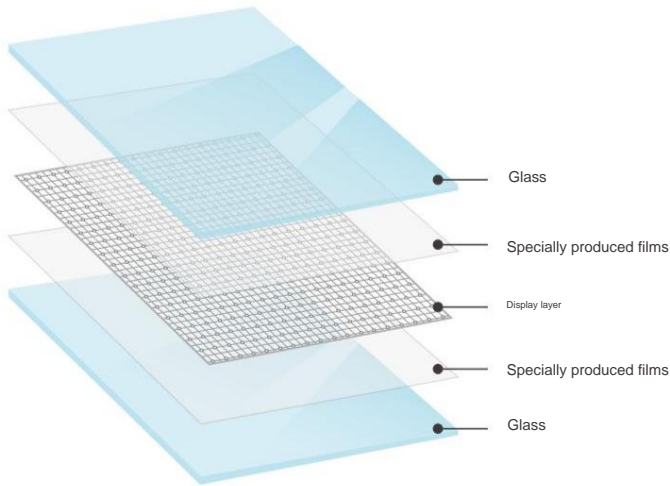
*Note: These parameters are based on a standard 1 square meter white TOP bracket LED display panel used as a test sample.
Technical specifications may vary depending on changes in panel dimensions. Final specifications are subject to project evaluation.

Product Model

| Products | Luxury 05 | Luxury 06 | Luxury 07 |
|---------------------------|--------------|--------------|--------------|
| Field | P10 | P15 | P20 |
| Screen brightness (nits)* | 0-5000 | 0-4000 | 0-3000 |
| Visual transparency | 95% | 98% | 98% |
| Pixel pitch | 10x10mm | 15.6x15.6 mm | 20x20mm |
| Module | W240 x H1500 | W240 x H1500 | W240 x H1500 |
| Pixel density | 10000 | 4444 | 2500 |
| Best visibility | 10m | 15m | 20m |
| Viewing angle | 160° | 160° | 160° |
| Mean square power | 230W | 200W | 140W |
| Maximum square power | 650W | 520W | 390W |

*Note: These parameters are based on a standard 1 square meter white TOP bracket LED display panel used as a test sample.
Technical specifications may vary depending on changes in panel dimensions. Final specifications are subject to project evaluation.

Structural



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

Technical Parameters

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





Privacy Section > 99% 5W/m²

UV Block | Low Power



High strength aluminum alloy Stealth
High strength aluminum alloy door frame combined with hinge design is adopted.



Space department
Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Transparent switching
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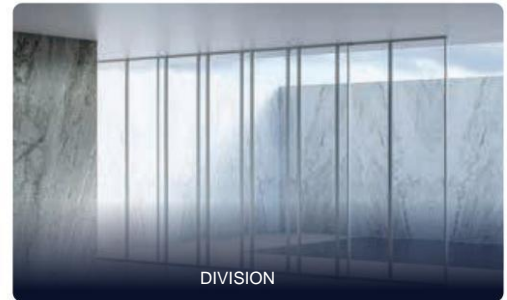
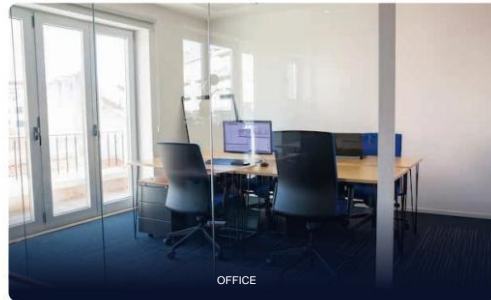
Isolate the noise
The noise-canceling properties of glass using Filmbase PDLc film are increased by 20% compared to ordinary glass.



Safe and durable
It has excellent insulation, sound insulation, waterproofing and windproof performance, and safety and durability are also taken into consideration.



Easy to clean
Fabric or electronic curtains that are difficult to clean and affect the designs by collecting germs eliminate.



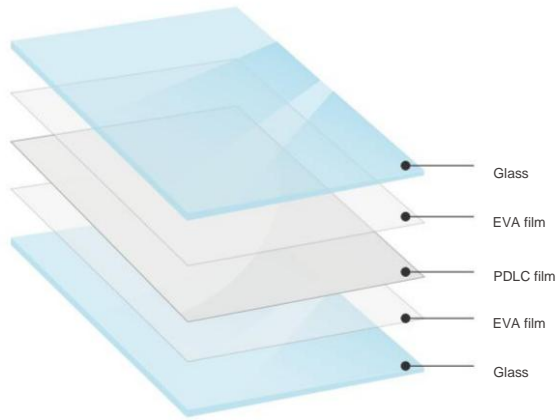
Product Parameters

| | | |
|---|--|------------------|
| Products | Standard glass | Door frame color |
| 83-Panoramic Divide | 5+5 (with 84 Ultra White accessories) | Gray, Black |
| Detailed parameters Material wall thickness: 2.0mm Frame width 83mm, module width within 1500mm, wall height within 3500mm. | | |

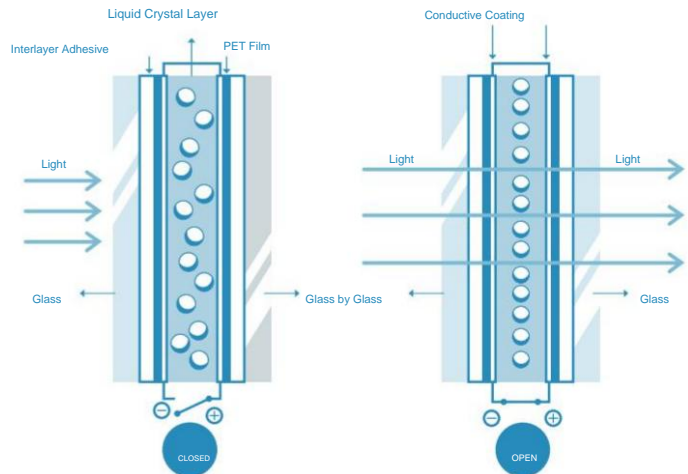
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



Technical Principles



PDLC Film

Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.





Skyscraper

Media Glass

95-99% 75%

Visual Transparency

Energy Savings



Support
privatization



160° viewing angle



Now and the future
last front



HD+ up to 95%
transparency



Support
playing 3D videos, pictures, letters



Visible from the screen,
Glass + screen +
control box all in one



It is easy to install,
Male+Female connect, plug and
play



Easy to use,
Intelligent control support
APP,
Computer, USB



Product Model

| Products | Skyscraper 01 | Skyscraper 02 | Skyscraper 03 |
|---------------------------|---------------|---------------|---------------|
| Field | P8*8 | P10*10 | P20*20 |
| Screen brightness (nits)* | 0-5000 | 0-5000 | 0-3000 |
| Visual transparency | 95% | 95% | 98% |
| Pixel pitch | 8x8 mm | 10x10 mm | 20x20 mm |
| Module | W240 x H1500 | W240 x H1500 | W240 x H1500 |
| Pixel density | 15625 | 10000 | 2500 |
| Best visibility | 8m | 10m | 20m |
| Viewing angle | 160° | 160° | 160° |
| Mean square power | 230W | 230W | 140W |
| Maximum square power | 650W | 650W | 390W |

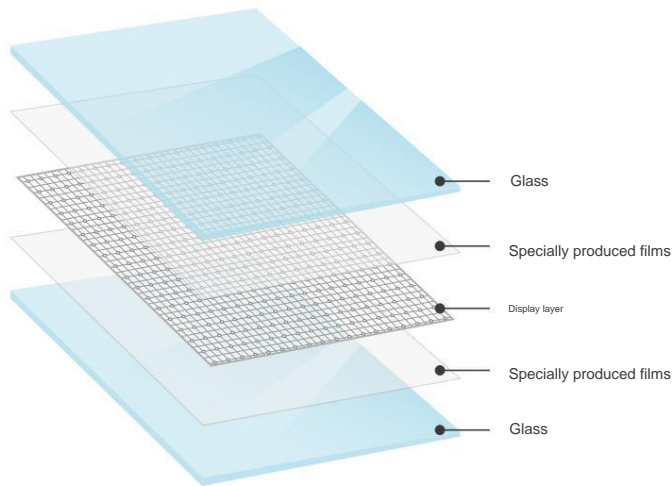
*Note: These parameters are based on a standard 1 square meter white TOP bracket LED display panel used as a test sample.
Technical specifications may vary depending on changes in panel dimensions. Final specifications are subject to project evaluation.

Product Model

| Products | Skyscraper 04 | Skyscraper 05 | Skyscraper 06 |
|---------------------------|---------------|---------------|--------------------------|
| Field | P30*30 | P50*50 | P80*80 or more |
| Screen brightness (nits)* | 0-1200 | 0-600 | Consulting Privatization |
| Visual transparency | 98% | 99% | 99% |
| Pixel pitch | 30x30 mm | 50x50 mm | 80x80 mm |
| Module | W240 x H1500 | W240 x H1500 | W240 x H1500 |
| Pixel density | 1089 | 400 | 156 |
| Best visibility | 30m | 50m | 80m |
| Viewing angle | 160° | 160° | 160° |
| Mean square power | 70W | 35W | Consulting Privatization |
| Maximum square power | 160W | 90W | Consulting Privatization |

*Note: These parameters are based on a standard 1 square meter white TOP bracket LED display panel used as a test sample.
Technical specifications may vary depending on changes in panel dimensions. Final specifications are subject to project evaluation.

Structural



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

Technical Parameters

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





CLOSED



OPEN

Sliding door

>99% 5W/m²

UV Block

Low Power



Sound insulation and
heat insulation

Provides flexible privacy adjustments;
Excellent sound and heat insulation performance.



Narrow frame

The ultra-narrow frame hanging door
design is adopted.



Special sliding rail

Single rail or double rail sliding systems can be
provided depending on user needs.



Push-pull design

The push-pull design saves space
and operates smoothly.



Safe and durable

It has excellent insulation, sound insulation, waterproofing
and windproof performance, and safety
and durability are also taken into consideration.

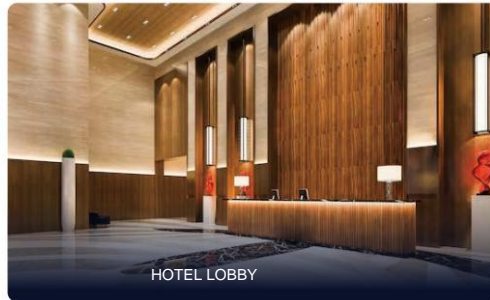


Easy to clean

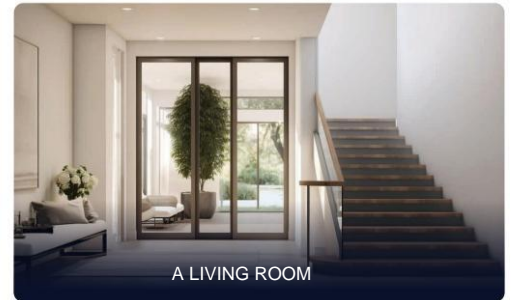
Fabric or electronic curtains that are difficult to clean
and affect the designs by collecting germs
eliminate.



BATH



HOTEL LOBBY



A LIVING ROOM



Product Parameters

| | | |
|----------------------------|--|--|
| Products | Standard glass | Door frame color |
| Minimalist Sliding door | 4+4 (with 84 Super White accessories) | Skin Black, Moonlight Gray, Mixed Glaze White |

Detailed parameters

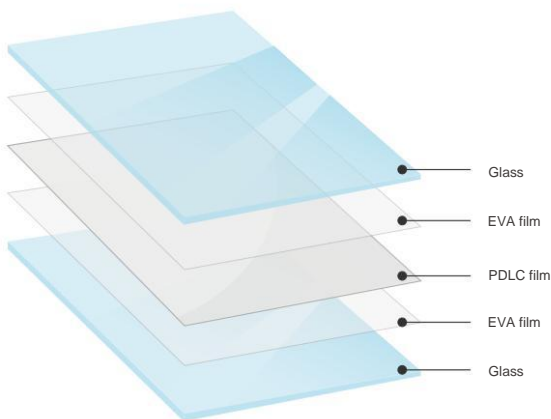
Material wall thickness: 2.0mm Single rail frame width 49mm, two rail frame width 95mm, three rail frame 141mm. Frame thickness: 31mm, movable fan width: 16mm, micro-edge movable fan width: 0.8mm,10mm, movable fan width: height within 2800mm, width within 1500mm, total width unlimited, winding: 2.0mm.

Activity fan: height 2800mm or less, width limited to 1500mm or less, total width is not limited, surrounding edge cover wall 11mm, surrounding edge surface width 28mm, two-way buffer as standard, three-rail connection as standard.

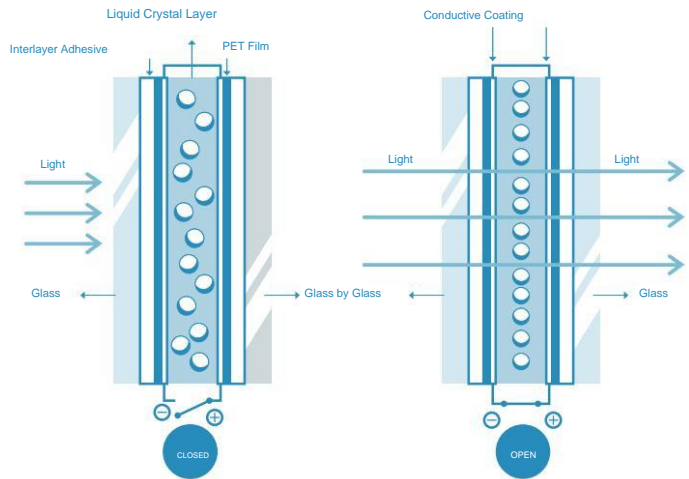
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



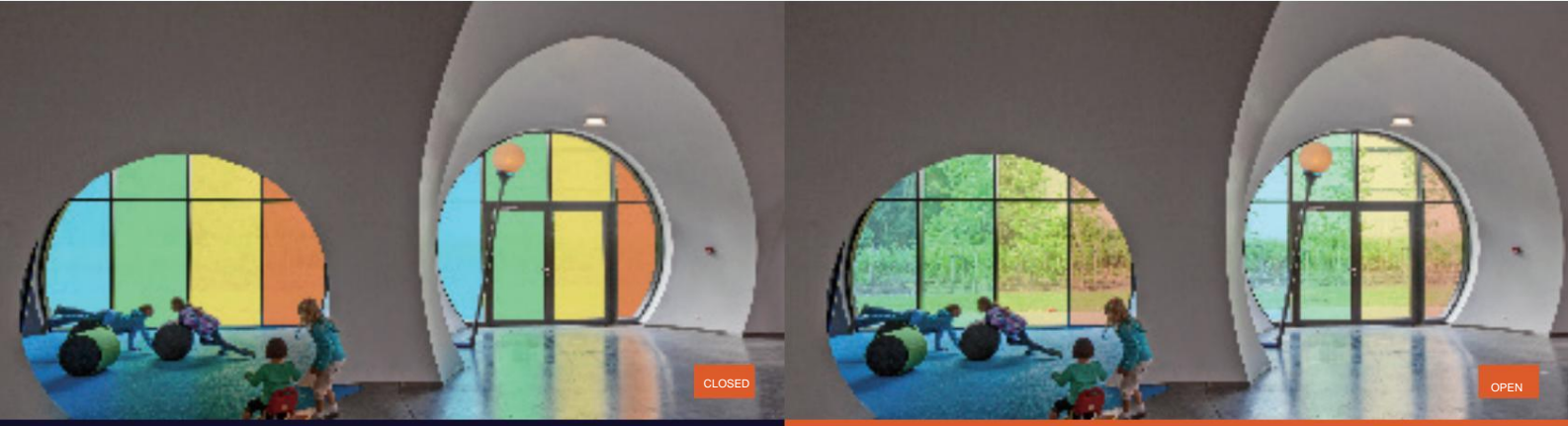
Technical Principles



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PDLC Film





FILMBASE Art Glass

Gray/Black/Blue/Green/Orange/Red

>99% 5W/m²

UV Block | Low Power



Dynamic Privacy

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



High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



Optimize space

Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Noise cancelling

The glass using Filmbase PDLc film is
Noise-cancelling properties have been increased by 20% compared to glass.



Temperature Control

Solar Control smart films reflect IR light, resulting in cooler interiors and lower HVAC costs.



Dynamic Designs Special

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



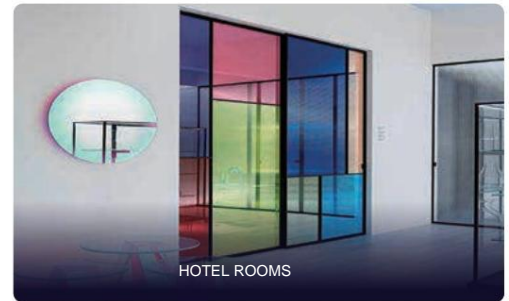
Easy to Clean

Designs that are difficult to clean and collect germs
Eliminate fabric or electronic curtains that interfere with the



Various control methods

We have multiple control methods to meet your various needs: remote control, wired control, infrared sensing, voice control, mobile apps, etc.



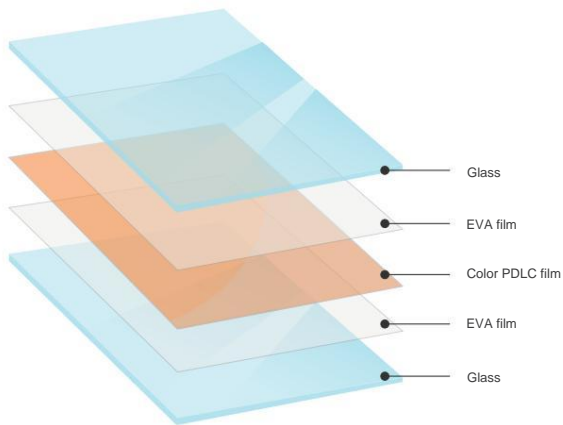
Product Parameters

| Film color | Gray | Black | Blue | Green | Orange | Red |
|-------------------|--|-------|-------|-------|--------|-------|
| UV block | >99% | >99% | >99% | >99% | >99% | >99% |
| Ir block | >86% | >86% | >86% | >86% | >86% | >86% |
| Power consumption | 5w/m2 | 5w/m2 | 5w/m2 | 5w/m2 | 5w/m2 | 5w/m2 |
| Compatible with | Eva | Eva | Eva | Eva | Eva | Eva |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | | | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | | | | |

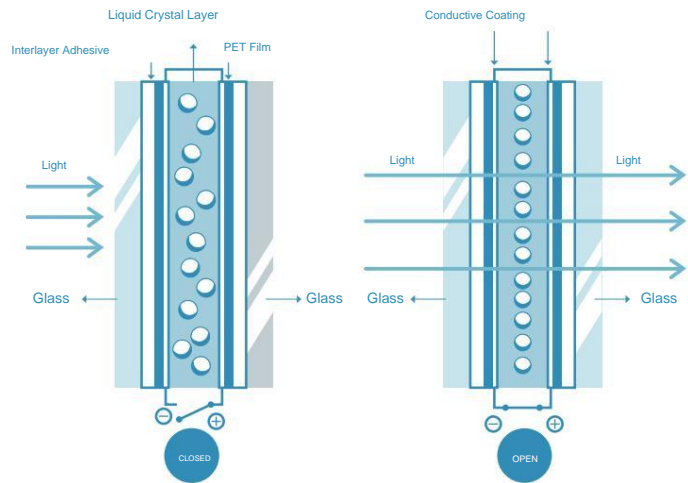
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| Viewing angle | OPEN | 160° | Visual Inspection |
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| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
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| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
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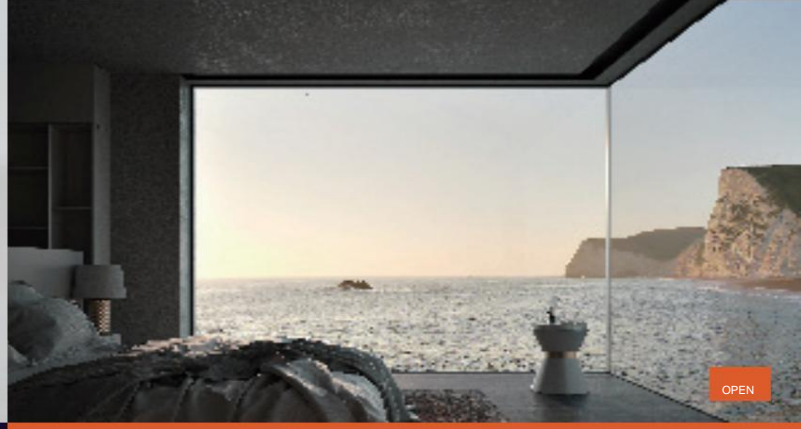
Technical Principles



PDLC Film

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FILMBAS Smart Facade Glass

>99% 5W/m²
UV Block Low Power



Dynamic Privacy

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High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



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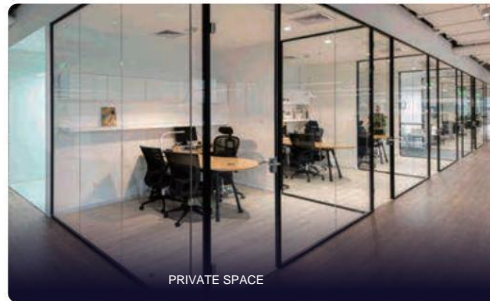
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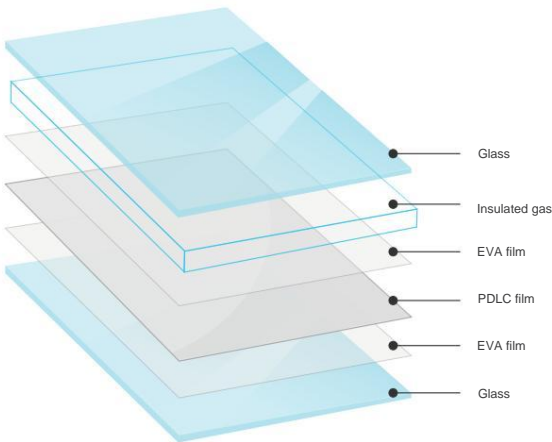
Product Parameters

| Items | 085 PDLC film | 087 PDLC film | 091 PDLC film |
|------------------------------|--|---------------|---------------|
| Film color | White | White | White |
| Fog (clear) | 6% | 4% | 3% |
| Haze (overcast) | 94% | 94% | 94% |
| Light transmittance (clear) | 72% | 75% | 77% |
| Light transmittance (closed) | 60% | 63% | 65% |
| UV block | >99% | >99% | >99% |
| Ir block | >86% | >86% | >86% |
| Power consumption | 5w/m2 | 5w/m2 | 5w/m2 |
| Compatible with | Eva | Eva | Eva |
| Maximum size | 1800x3600mm | 1800x3600mm | 1800x3600mm |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | |

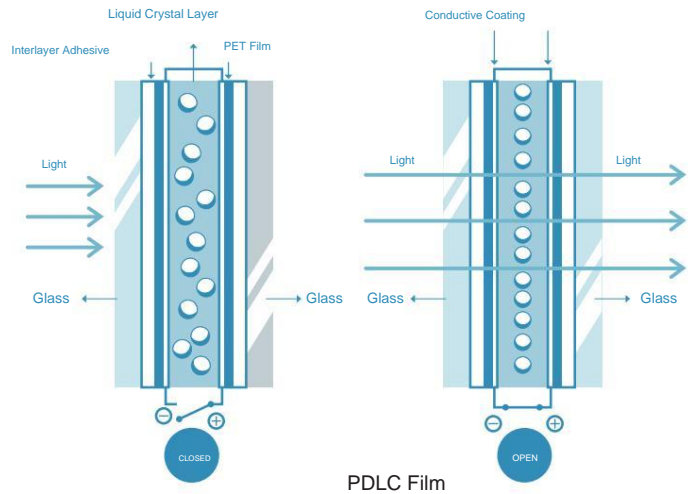
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Structural



Technical Principles



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Bello Dekor Yapı Taah. ve Diş Tic.Ltd.Şti.

ACIBADEM MAH ÇEÇEN SOK AKASYA A KULE KENT ETABI NO:25 A YÇ KAPI NO:150ÜSKÜDAR

/İSTANBUL TEL : +90 216 709 71 44 / +90 216 505 04 04 mail : scakan@bellodekor.com webwww.bellodekor.com





FILM CENTER 085 84%-86%

Smart Movie

Highest permeability

4-5%

Haze

Key Features



Dynamic
Privacy



Environmental protection



Space
department



Touchscreen
screen and projection



Security



Heat resistant and
scratch resistant

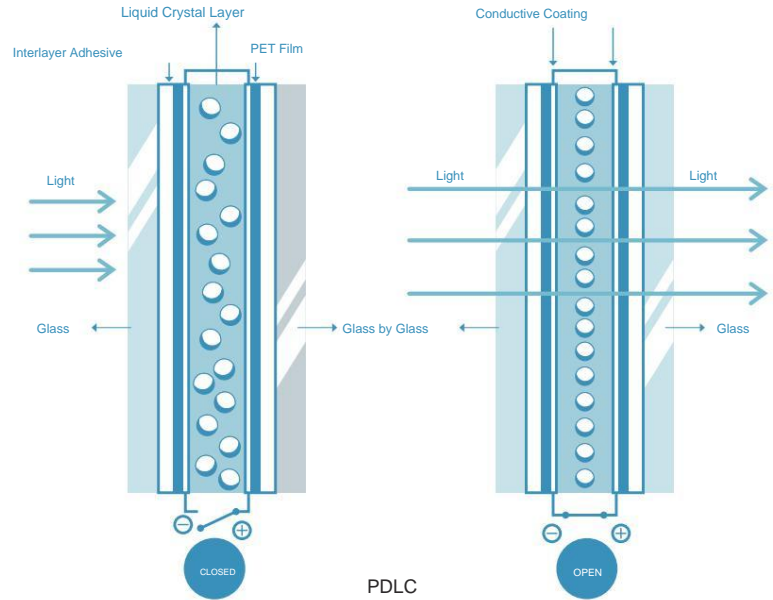


Noise cancelling



Various
control methods

Technical Principles



Dimension

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

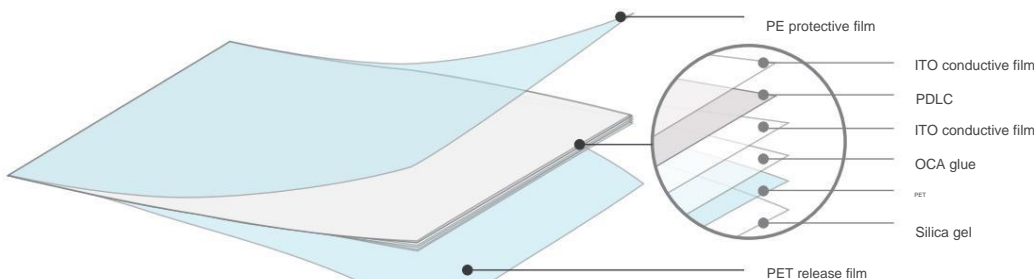
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 50°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Product Transparency / Haze

| Items | Full light tester | | | | Parallel light tester | |
|---------------------|-------------------|------|--------------------------|---------|-----------------------|----------------|
| | ON/OFF | Haze | Full light transmittance | b value | 45° light | Parallel light |
| Adhesive PDLC film | CLOSED | 94.5 | 78.0 | 6.62 | / | / |
| | OPEN | 4.53 | 84.0 | 4.56 | 58.0 | 82.0 |
| Laminated PDLC film | CLOSED | 94.5 | 78.0 | 5.64 | / | / |
| | OPEN | 4.53 | 84.0 | 3.55 | 58.0 | 81.0 |

Structural



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

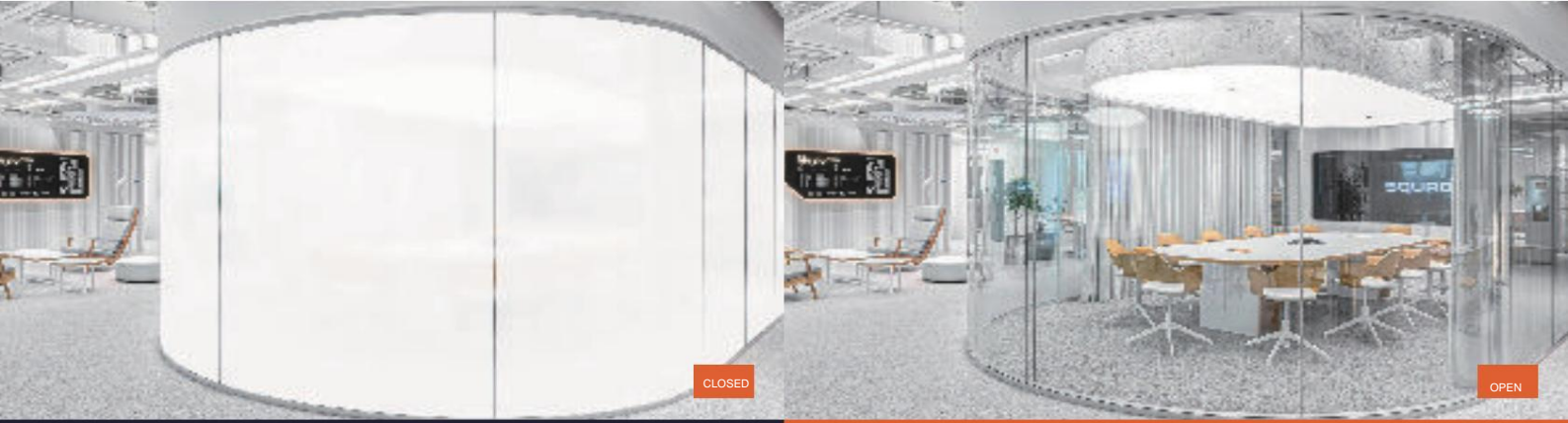
Bello Dekor Yapı Taah. ve Dış Tic.Ltd.Şti.

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webwww.bellodekor.com





CLOSED

OPEN

FILM CENTER 091 90%-92%

Smart Movie

Highest permeability

<3%

Haze

Key Features



Dynamic
Privacy



Environmental protection



Space
department



Touchscreen
screen and projection



Security



Heat resistant and
scratch resistant

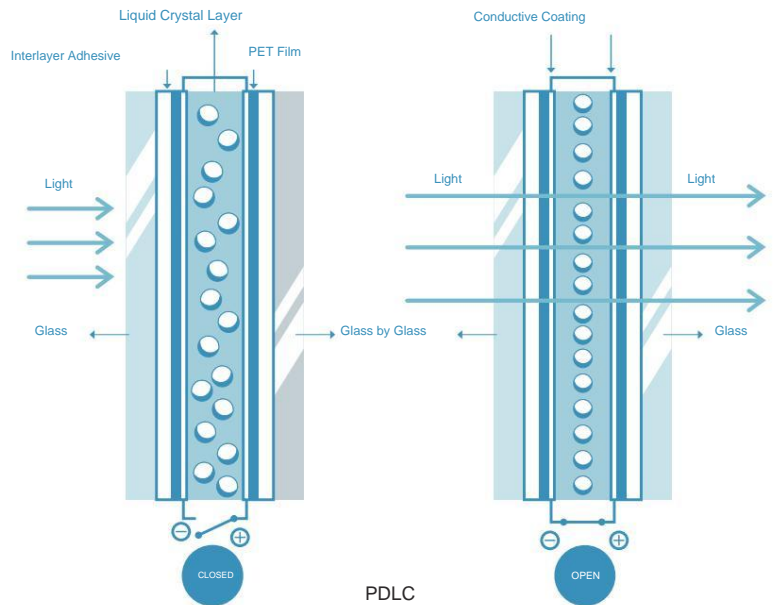


Noise cancelling



Various
control methods

Technical Principles



RESEARCH ORGANIZATION



LUXURY VILLA



SEA VIEW ROOM



Dimension

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

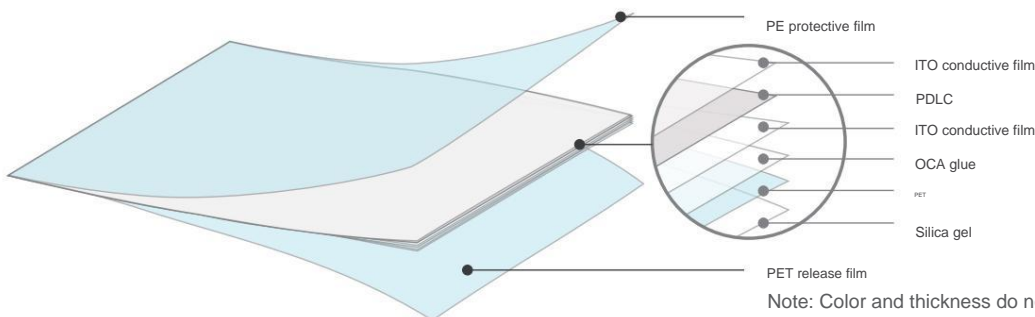
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 50°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Product Transparency / Haze

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

Structural



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.





FILMBAS Auto Smart Movie

>99% 5W/m²
UV Block Low Power

Key Features



Dynamic
Privacy



Environmental
protection



Space
divide



Touch screen
and projection



Security



Heat resistant
and scratch-proof

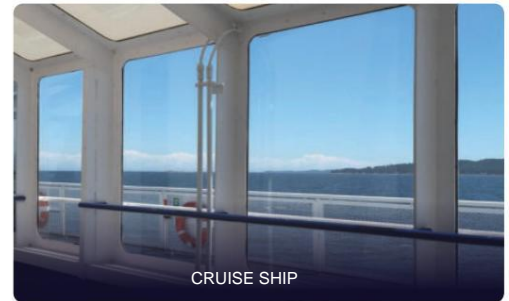
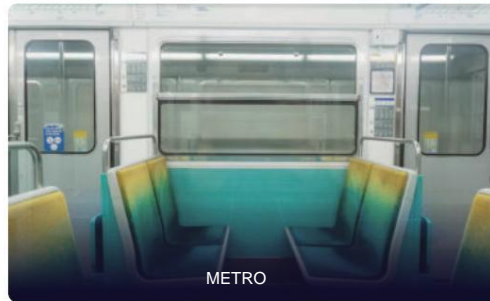
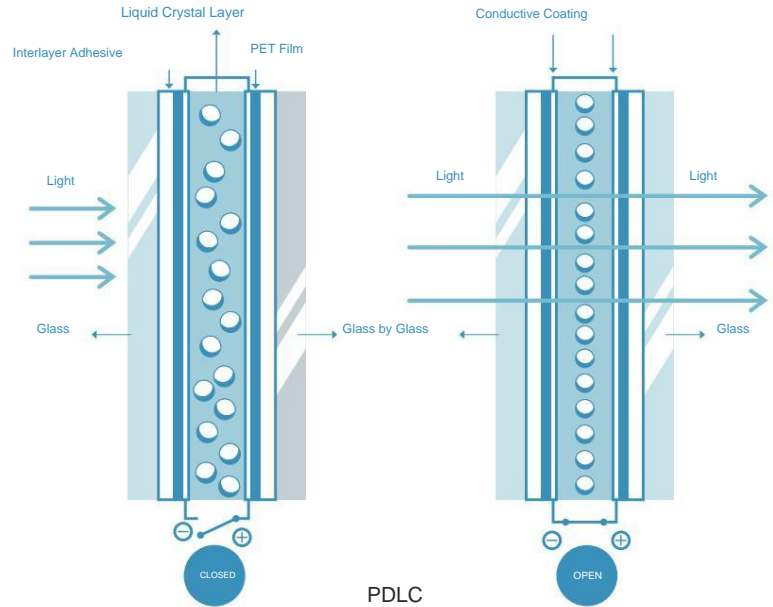


Noise cancelling



Various
control methods

Technical Principles



product

| Items | | |
|-----------|---|-----------------------------|
| Thickness | Total thickness (excluding protective film) | 0.13 mm |
| | PDLC | 0.12 mm |
| | Silica gel | 0.01 mm |
| | PE protective film | 130µm |
| | PET release film | 50µm |
| Sheet | Width | 1200,1500*mm |
| | Length | According to customer needs |
| Roll | Width | 1250,1500*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

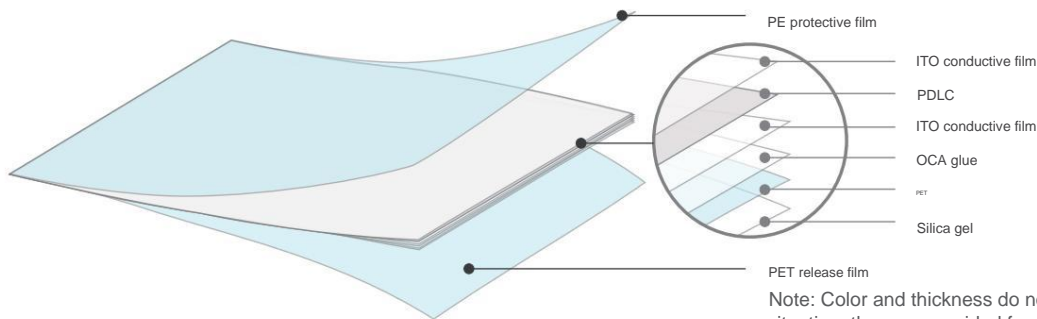
Photoelectric Performance

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 82% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 95°C | constant temperature and humidity testing machine |
| For life | -- | 10-15 years | GB18910.5-2008 |
| Transitional times | -- | 100,000 times | Homemade on/off tester |

Product Transparency / Haze

| Items | Full light tester | | | Parallel light tester | | |
|--------------------|-------------------|------|--------------------------|-----------------------|-----------|----------------|
| | ON/OFF | Haze | Full light transmittance | b value | 45° light | Parallel light |
| Adhesive PDLC film | CLOSED | 94.2 | 51.19 | 5.24 | / | / |
| | OPEN | 2.94 | 56.43 | 3.20 | 38.4 | 55.26 |

Structural



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.





FILMBASE Color

Gray/Black/Blue/Green/Orange/Red

>99% UV Block

5W/m² Low Power

Key Features



Dynamic
Privacy



Environmental protection



Space
department



Touchscreen
screen and projection



Security



Heat resistant and
scratch resistant

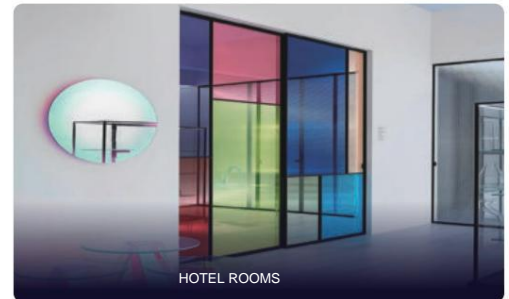
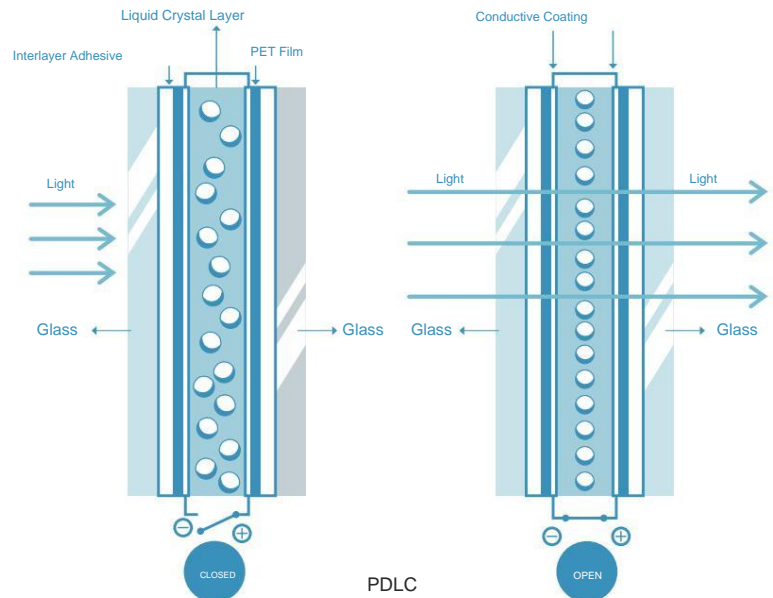


Noise cancelling



Various
control methods

Technical Principles



Dimension

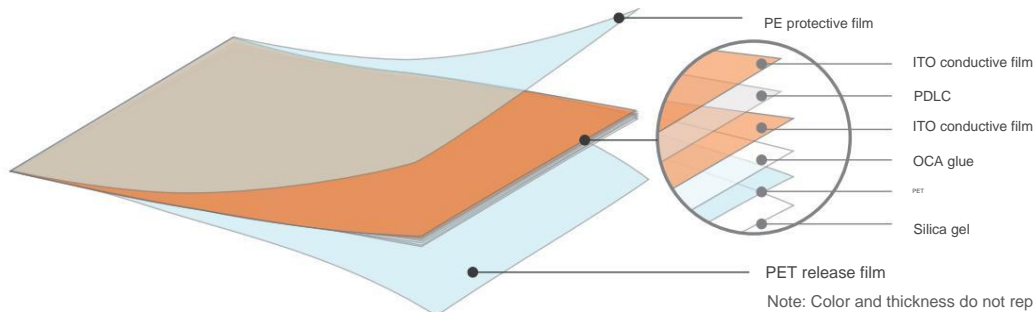
Items

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

Optical Parameter

| Items | ON/OFF | Value | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 200 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 220 ms | |
| Working temperature | -- | -30°C ~ 50°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



Note: Color and thickness do not represent the actual situation, they are used only for ease of display.





CLOSED



OPEN

FILM CENTER Limited edition

>99% 5W/m²
UV Block Low Power

Key Features



Dynamic
Privacy



Environmental protection



Space
department



Touchscreen
screen and projection



Security



Heat resistant and
scratch resistant

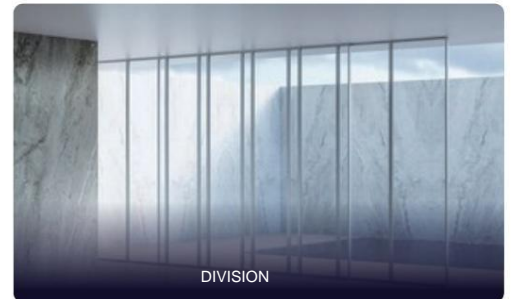
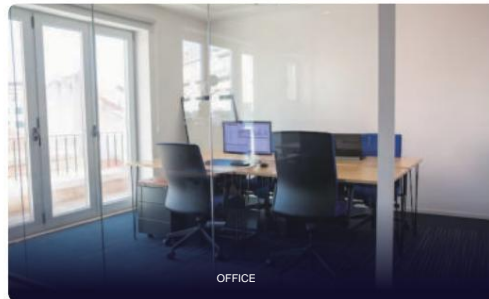
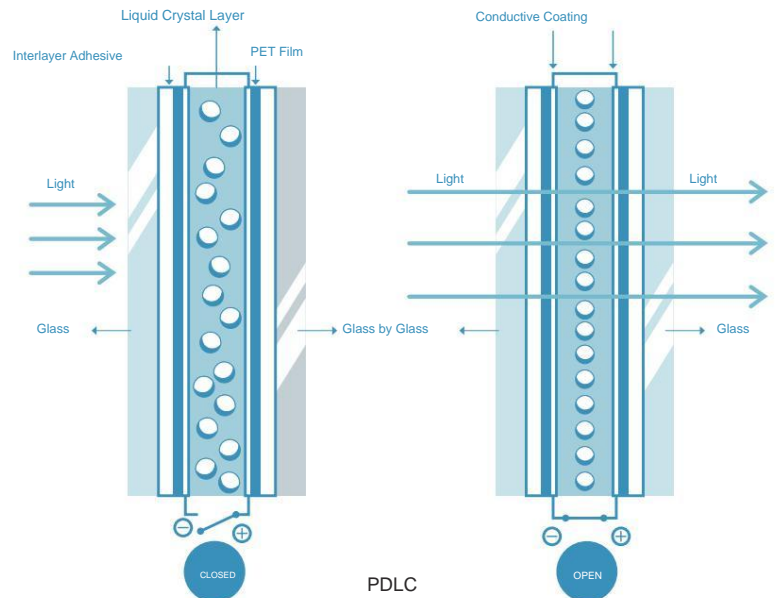


Noise cancelling



Various
control methods

Technical Principles



Dimension

Items

| Items | ON/OFF | Test Methods/Standards | |
|---------------------|-----------------|------------------------|----------------|
| Adhesive PDLC film | Total Thickness | 0.47 mm | |
| | Cut to Page | Width | Less than 1500 |
| | | Length | Less than 1500 |
| Laminated PDLC film | Total Thickness | 0.38 mm | |
| | Cut to Page | Width | Less than 1500 |
| | | Length | Less than 1500 |

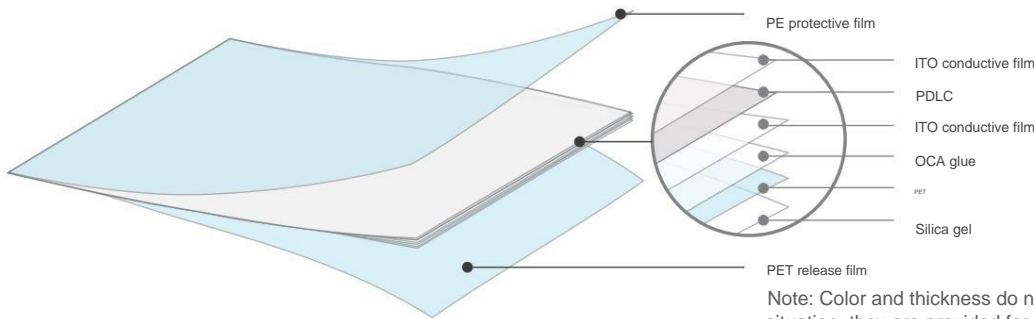
Optical Parameter

| Items | ON/OFF | Test Methods/Standards |
|------------------------|------------------------|---|
| Working voltage | OPEN 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN 160° | Visual Inspection |
| UV blocking rate | CLOSED 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED 60% | |
| Response time | CLOSED OPEN 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF 200 ms | |
| Working temperature | -- -30°C ~ 50°C | constant temperature and humidity testing machine |
| Lifetime | -- 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- 2 million times | Homemade on/off tester |

Product Transparency / Haze

| Items | ON/OFF | Full light tester | | | Parallel light tester | |
|---------------------|--------|-------------------|--------------------------|---------|-----------------------|----------------|
| | | Haze | Full light transmittance | b value | 45° light | Parallel light |
| Adhesive PDLC film | CLOSED | 94.5 | 78.0 | 6.95 | / | / |
| | OPEN | 4.53 | 88.0 | 4.71 | 58.0 | 86.0 |
| Laminated PDLC film | CLOSED | 94.5 | 78.0 | 5.90 | / | / |
| | OPEN | 4.53 | 88.0 | 3.72 | 58.0 | 86.0 |

Structural





CLOSED



OPEN

FILMBAS Reverse

>85% 5W/m²

UV Block

Low Power

Key Features



Dynamic Privacy



Environmental protection



Space department



Touchscreen screen and projection



Security



Heat resistant and scratch resistant

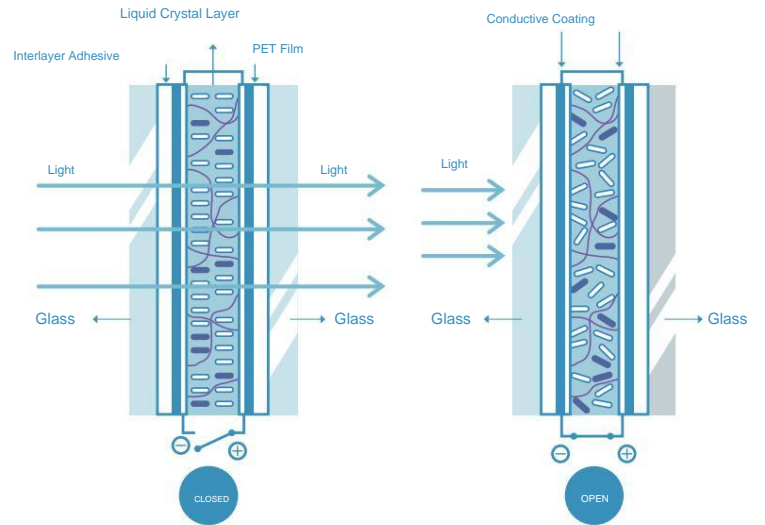


Noise cancelling



Various control methods

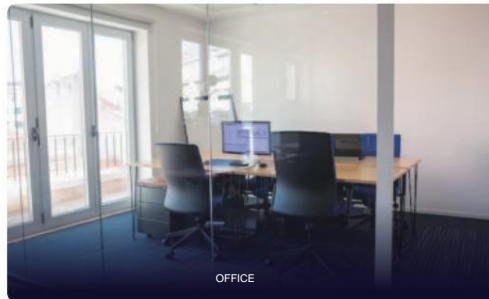
Technical Principles



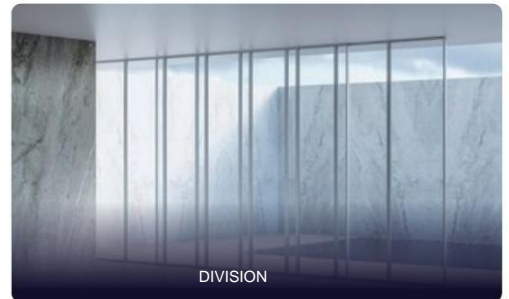
PNLC



MEETING ROOM



OFFICE



DIVISION



Dimension

| Items | | | |
|---------------------|-----------------|----------------|-----------------------|
| Adhesive PNLC film | Total Thickness | 0.37 mm | |
| | Cut to Page | Width | 100-1400(mm) |
| | | Length | 100-50000(mm) |
| | Roll | Width | 1200,1400(mm) |
| | | Length | 30 meters / 50 meters |
| | Roll tube | Inner Diameter | 6 inches |
| Laminated PNLC film | Total Thickness | 0.28 mm | |
| | Cut to Page | Width | 100-1400(mm) |
| | | Length | 100-50000(mm) |
| | Roll | Width | 1200,1400(mm) |
| | | Length | 30 meters / 50 meters |
| | Roll tube | Inner Diameter | 6 inches |

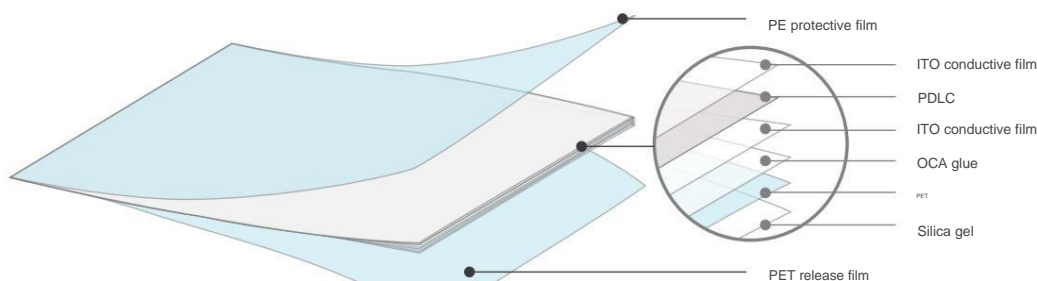
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-----------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | avg 4-6/m2 | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160°+1 | Visual Inspection |
| UV blocking rate | CLOSED | 85% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 200 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 220 ms | |
| Working temperature | ** | -30°C ~ 50°C | constant temperature and humidity testing machine |
| Lifetime | ** | 100,000 Hours | GB18910.5-2008 |
| Transitional times | ** | 2 million times | Homemade on/off tester |

Product Transparency / Haze

| Items | ON/OFF | Full light tester | | | Parallel light tester | |
|---------------------|--------|-------------------|--------------------------|---------|-----------------------|----------------|
| | | Haze | Full light transmittance | b value | 45° light | Parallel light |
| Adhesive PDLC film | CLOSED | 7 | 90.0 | 3.85 | 80.0 | 85.0 |
| | OPEN | 92 | 88.0 | 4.42 | / | 19.0 |
| Laminated PDLC film | CLOSED | 7 | 90.0 | 1.71 | 80.0 | 85.0 |
| | OPEN | 92 | 88.0 | 1.84 | / | 19.0 |

Structural



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.





FILM CENTER Warrior

105y

High temperature resistance

Key Features



Dynamic
Privacy



Environmental
protection



Space
division



Touch screen
and projection



Security



Heat resistant and
scratch resistant

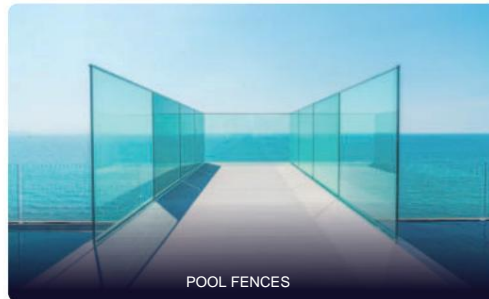
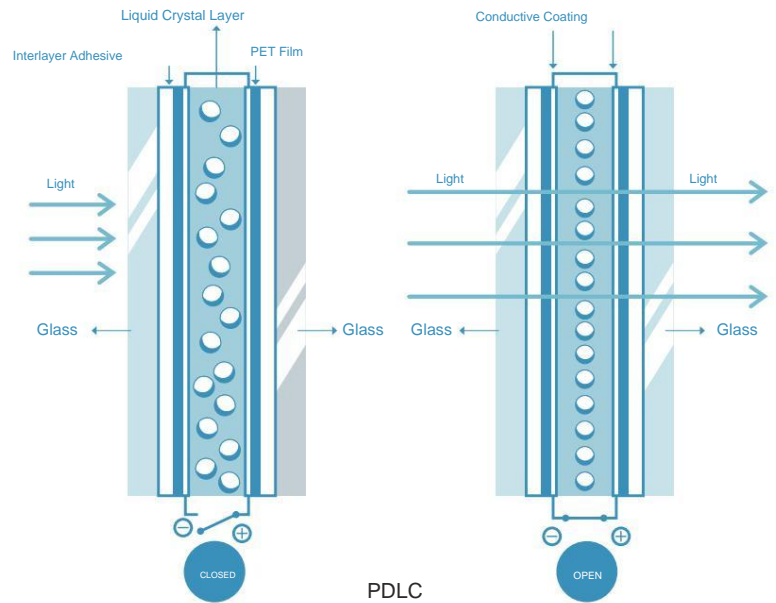


Noise cancelling



Various
control methods

Technical Principles



Dimension

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

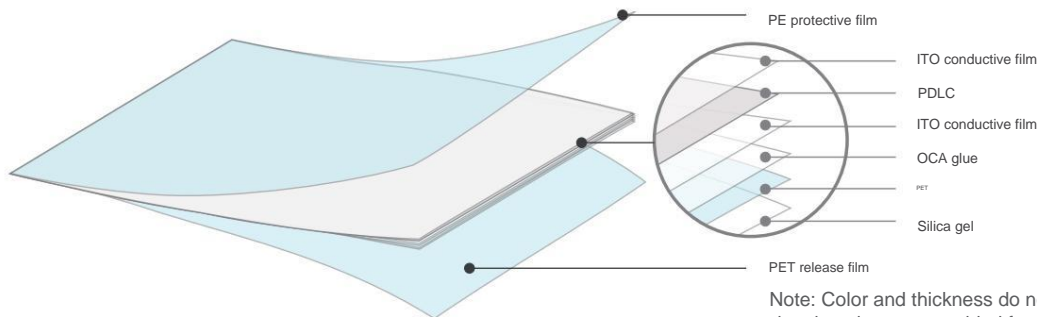
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 90°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Product Transparency / Haze

| Items | Full light tester | | | Parallel light tester | | |
|-------|-------------------|------|--------------------------|-----------------------|-----------|----------------|
| | ON/OFF | Haze | Full light transmittance | b value | 45° light | Parallel light |
| / | CLOSED | 94.5 | 78.0 | 5.93 | / | / |
| / | OPEN | 4.53 | 83.5 | 3.77 | 58.0 | 81.0 |

Structural





FILM CENTER 0404 >99%

Smart Glass

UV Block

5W/m²

Low Power



Dynamic Privacy

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



Temperature Control

Solar Control smart films reflect IR light, resulting in cooler interiors and lower HVAC costs.



High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



Dynamic Designs Special

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



Optimize space

Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Easy to Clean

Designs that are difficult to clean and collect germs. Eliminate fabric or electronic curtains that interfere with the



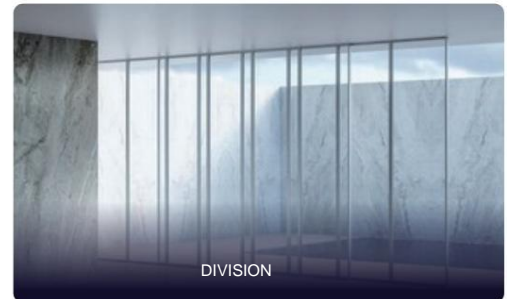
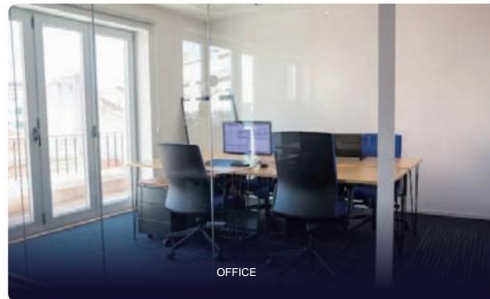
Noise cancelling

The glass using Filmbase PDLc film is. Noise-cancelling properties have been increased by 20% compared to glass.



Various control methods

We have multiple control methods to meet your various needs: remote control, wired control, infrared sensing, voice control, mobile apps, etc.



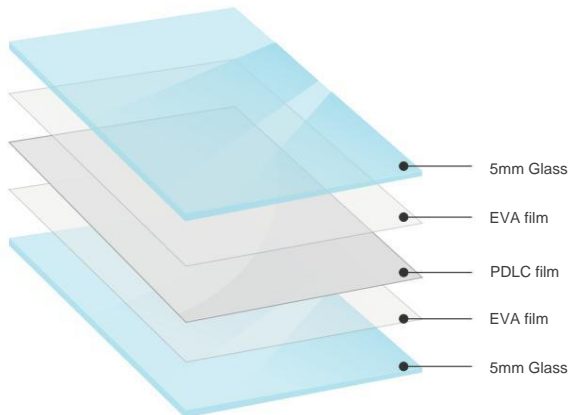
Product Parameters

| Items | 085 PDLC film | 087 PDLC film | 091 PDLC film |
|------------------------------|--|-------------------|-------------------|
| Film color | White | White | White |
| Fog (clear) | 6% | 4% | 3% |
| Haze (overcast) | 94% | 94% | 94% |
| Light transmittance (clear) | 79% | 80% | 83% |
| Light transmittance (closed) | 67% | 68% | 70% |
| 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 |
| Maximum size | 1800x2400mm | 1800x2400mm | 1800x2400mm |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | |

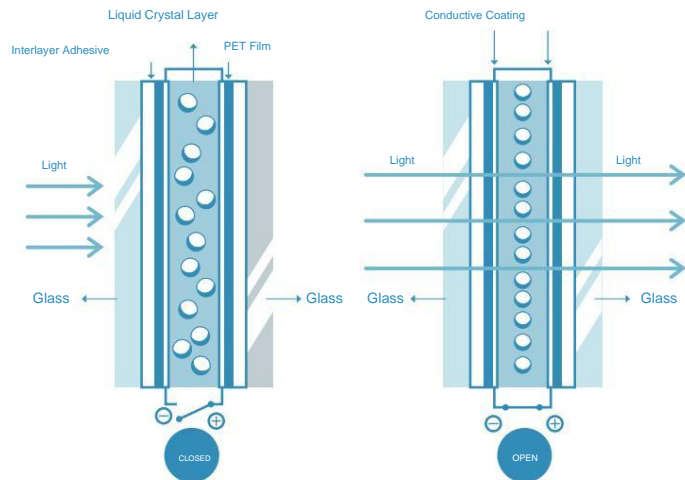
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



Technical Principles



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

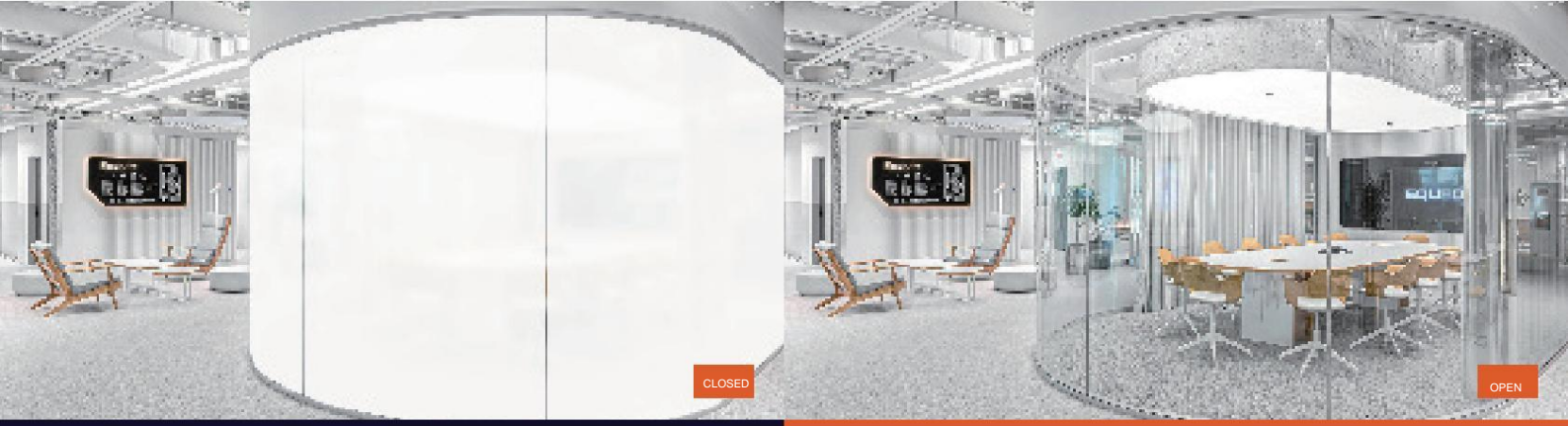
Bello Dekor Yapı Taah. ve Diş Tic.Ltd.Şti.

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Tel: +90 216 709 71 44 / +90 216 505 04 04 e-mail: scakan@bellodekor.com webwww.bellodekor.com

PDLC Film





CLOSED

OPEN

FILM CENTER 0505 >99%

Smart Glass

UV Block

5W/m²

Low Power



Dynamic Privacy

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



High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



Optimize space

Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Noise cancelling

The glass using Filmbase PDLc film is
Noise-cancelling properties have been increased by 20% compared to glass.



Temperature Control

Solar Control smart films reflect IR light, resulting in cooler interiors and lower HVAC costs.



Dynamic Designs Special

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



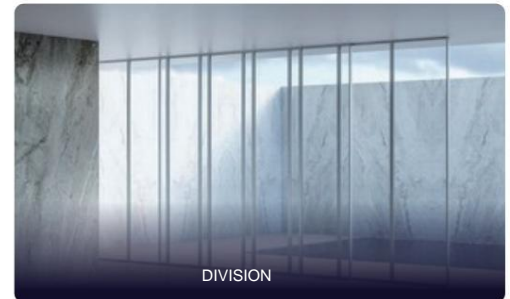
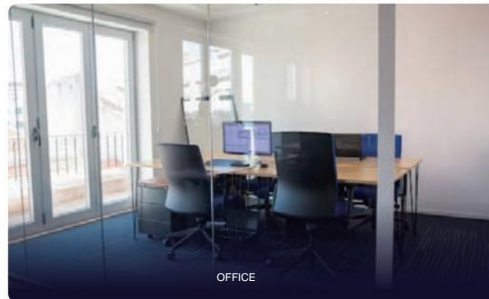
Easy to Clean

Eliminate fabric or electronic curtains that are difficult to clean and affect designs by collecting germs.



Various control methods

We have multiple control methods to meet your various needs: remote control, wired control, infrared sensing, voice control, mobile apps, etc.



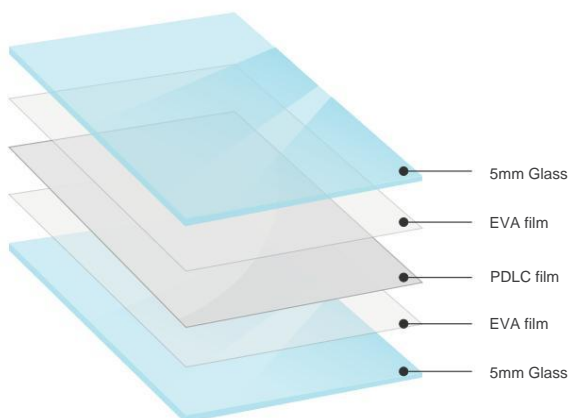
Product Parameters

| Items | 085 PDLC film | 087 PDLC film | 091 PDLC film |
|------------------------------|--|-------------------|-------------------|
| Film color | White | White | White |
| Fog (clear) | 6% | 4% | 3% |
| Haze (overcast) | 94% | 94% | 94% |
| Light transmittance (clear) | 80% | 81% | 84% |
| Light transmittance (closed) | 67% | 68% | 72% |
| 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 |
| Maximum size | 2000x2800mm | 2000x2800mm | 2000x2800mm |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | |

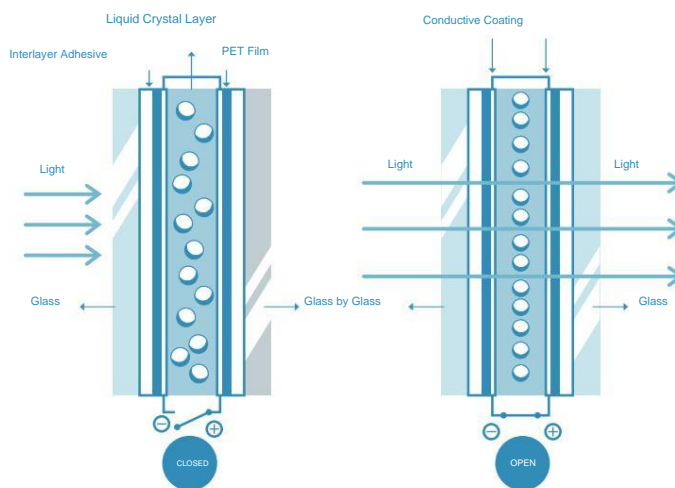
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



Technical Principles



PDLC Film

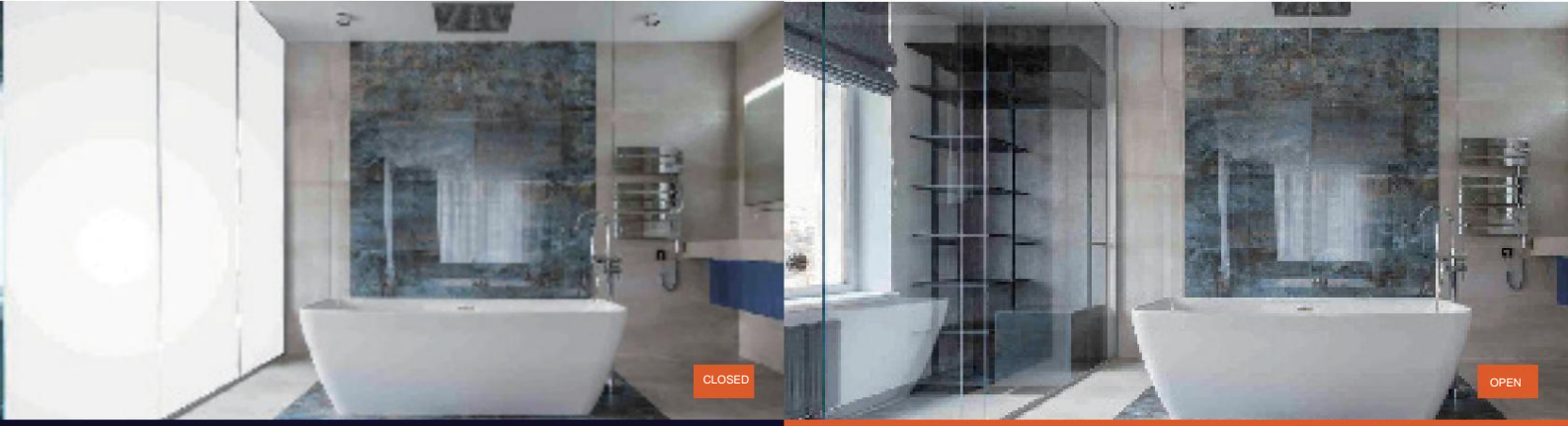
Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

Bello Dekor Yapı Taah. ve Dış Tic.Ltd.Şti.

ACIBADEM MAH ÇEÇEN SOK AKASYA A KULE KENT ETABI NO:25 A YÇ KAPI NO:150ÜSKÜDAR/İSTANBUL

Tel: +90 216 709 71 44 / +90 216 505 04 04 e-mail: scakan@bellodekor.com webwww.bellodekor.com





FILM CENTER 0606 > 99%

Smart Glass UV Block

5W/m²

Low Power



Dynamic Privacy

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



Temperature Control

Solar Control smart films reflect IR light, resulting in cooler interiors and lower HVAC costs.



High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



Dynamic Designs Special

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



Optimize space

Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Easy to Clean

Eliminate fabric or electronic curtains that are difficult to clean and affect designs by collecting germs.



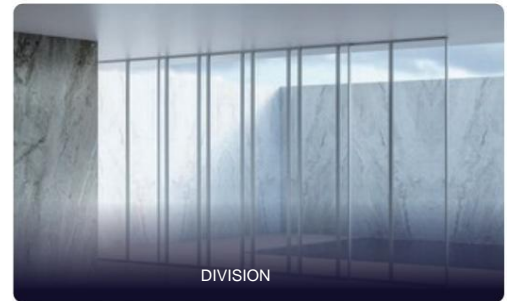
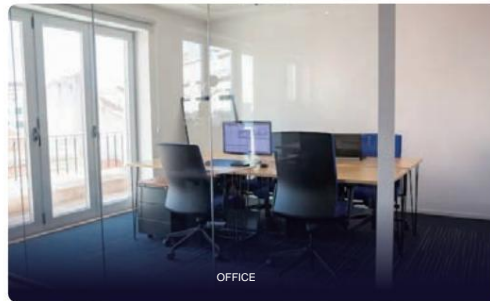
Noise cancelling

The glass using Filmbase PDLc film is
Noise-cancelling properties have been increased by 20% compared to glass.



Various control methods

We have multiple control methods to meet your various needs: remote control, wired control, infrared sensing, voice control, mobile apps, etc.



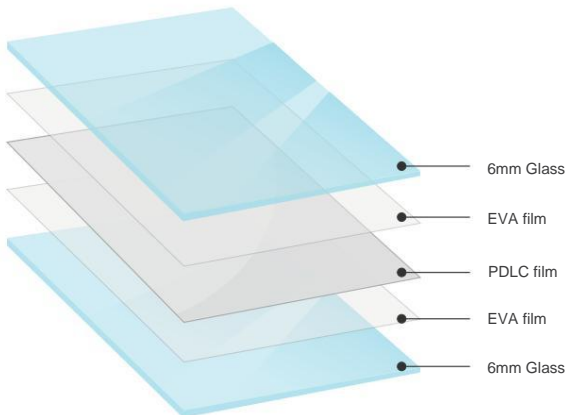
Product Parameters

| Items | 085 PDLC film | 087 PDLC film | 091 PDLC film |
|------------------------------|--|-------------------|-------------------|
| Film color | White | White | White |
| Fog (clear) | 6% | 4% | 3% |
| Haze (overcast) | 94% | 94% | 94% |
| Light transmittance (clear) | 79% | 80% | 83% |
| Light transmittance (closed) | 67% | 68% | 70% |
| 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 |
| Maximum size | 2000X3000mm | 2000X3000mm | 2000X3000mm |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | |

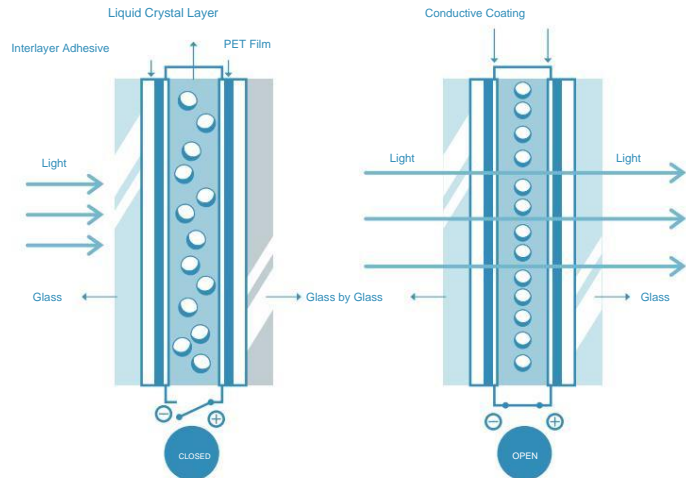
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



Technical Principles



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

Bello Dekor Yapı Taah. ve Dış Tic.Ltd.Şti.

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FILM CENTER 0808 >

Smart Glass

99%
UV Block

5W/m²
Low Power



Dynamic Privacy

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



High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



Optimize space

Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Noise cancelling

The glass using Filmbase PDLc film is
Noise-cancelling properties have been increased by 20% compared to glass.



Temperature Control

Solar Control smart films reflect IR light, resulting in cooler interiors and lower HVAC costs.



Dynamic Designs Special

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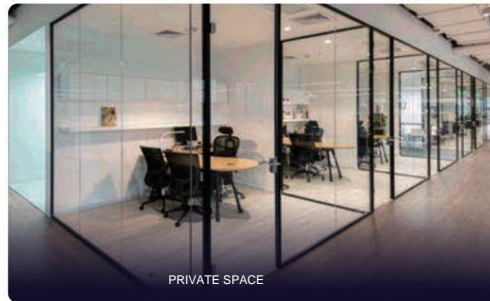
Easy to Clean

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Various control methods

We have multiple control methods to meet your various needs: remote control, wired control, infrared sensing, voice control, mobile apps, etc.



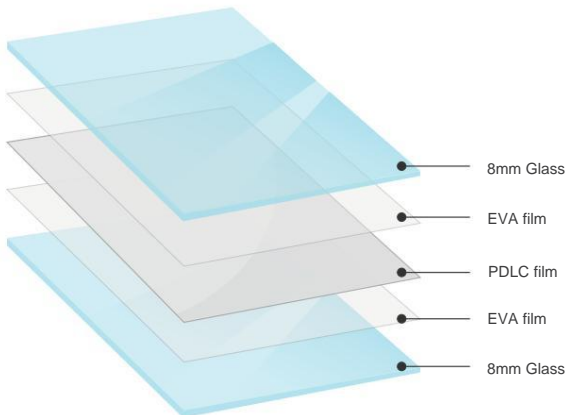
Product Parameters

| Items | 085 PDLC film | 087 PDLC film | 091 PDLC film |
|------------------------------|--|---------------|---------------|
| Film color | White | White | White |
| Fog (clear) | 6% | 4% | 3% |
| Haze (overcast) | 94% | 94% | 94% |
| Light transmittance (clear) | 78% | 79% | 82% |
| Light transmittance (closed) | 64% | 65% | 68% |
| UV block | >99% | >99% | >99% |
| Ir block | >86% | >86% | >86% |
| Power consumption | 5w/m2 | 5w/m2 | 5w/m2 |
| Compatible with | Eva | Eva | Eva |
| Maximum size | 2000X4000mm | 2000X4000mm | 2000X4000mm |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | |

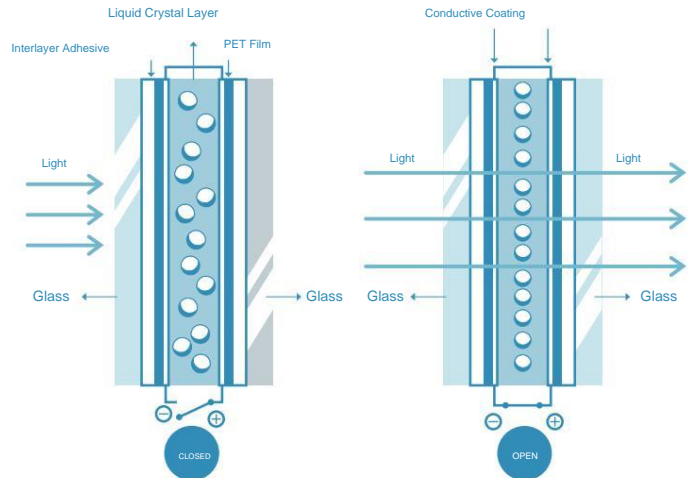
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-----------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m2 | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



Technical Principles



PDLC Film

Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

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CLOSED



OPEN

FILM CENTER 1010 > 99%

Smart Glass UV Block

5W/m²
Low Power



Dynamic Privacy

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



High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



Optimize space

Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



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Noise-cancelling properties have been increased by 20% compared to glass.



Temperature Control

Solar Control smart films reflect IR light, resulting in cooler interiors and lower HVAC costs.



Dynamic Designs Special

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



Easy to Clean

Eliminate fabric or electronic curtains that are difficult to clean and affect designs by collecting germs.



Various control methods

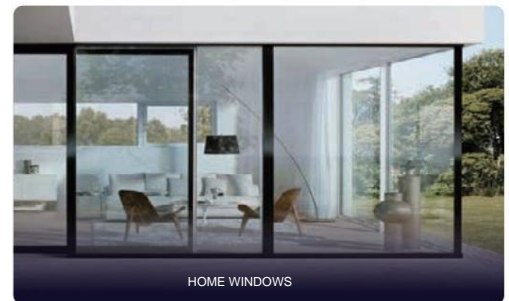
We have multiple control methods to meet your various needs: remote control, wired control, infrared sensing, voice control, mobile apps, etc.



GLASS CURTAIN WALL



PRIVATE SPACE



HOME WINDOWS



Product Parameters

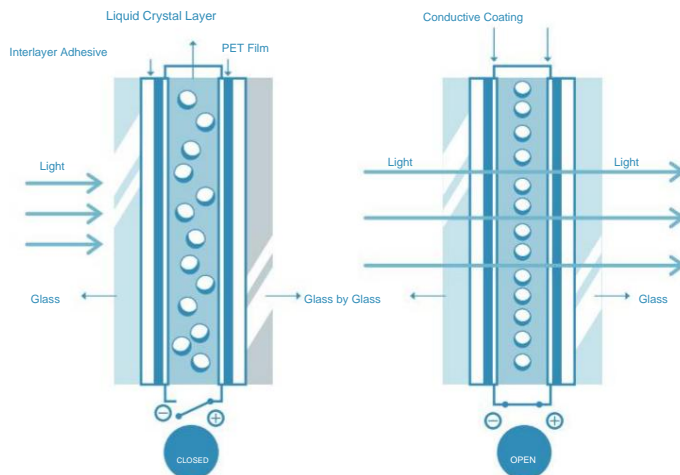
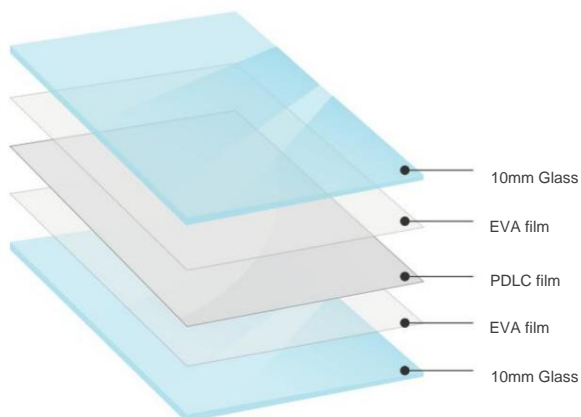
| Items | 085 PDLC film | 087 PDLC film | 091 PDLC film |
|------------------------------|--|-------------------|-------------------|
| Film color | White | White | White |
| Fog (clear) | 6% | 4% | 3% |
| Haze (overcast) | 94% | 94% | 94% |
| Light transmittance (clear) | 69% | 70% | 73% |
| Light transmittance (closed) | 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 |
| Maximum size | 2000x5000mm | 2000x5000mm | 2000x5000mm |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | |

Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural

Technical Principles



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

PDLC Film

Bello Dekor Yapı Taah. ve Dış Tic.Ltd.Şti.

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FILMBASE 1212 Plus

Smart Glass

>99% 5W/m²
UV Block Low Power



Dynamic Privacy

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



High return on investment

Reduce long-term costs associated with cleaning, cooling, and signage.



Optimize space

Replace thick, slatted walls with thin partitions or divide open floor plans with minimalist solutions.



Noise cancelling

The glass using Filmbase PDLc film is
Noise-cancelling properties have been increased by 20% compared to glass.



Temperature Control

Solar Control smart films reflect IR light, resulting in cooler interiors and lower HVAC costs.



Dynamic Designs Special

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



Easy to Clean

Designs that are difficult to clean and collect germs
Eliminate fabric or electronic curtains that interfere with the



Various control methods

We have multiple control methods to meet your various needs: remote control, wired control, infrared sensing, voice control, mobile apps, etc.



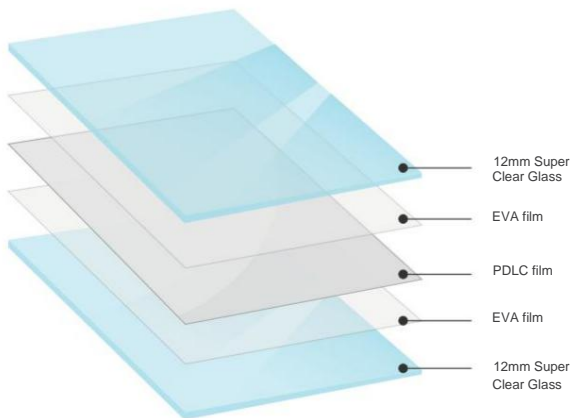
Product Parameters

| Items | 085 PDLC film | 087 PDLC film | 091 PDLC film |
|------------------------------|--|-------------------|-------------------|
| Film color | White | White | White |
| Fog (clear) | 6% | 4% | 3% |
| Haze (overcast) | 94% | 94% | 94% |
| Light transmittance (clear) | 80% | 81% | 84% |
| Light transmittance (closed) | 61% | 62% | 65% |
| 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 |
| Maximum size | 2000x6000mm | 2000x6000mm | 2000x6000mm |
| Input voltage | 100-120v 60Hz / 220-240v 50hz | | |
| Types of glass | Flat, Curved, Tempered, Ultra Clear, Low Emissivity, Other | | |

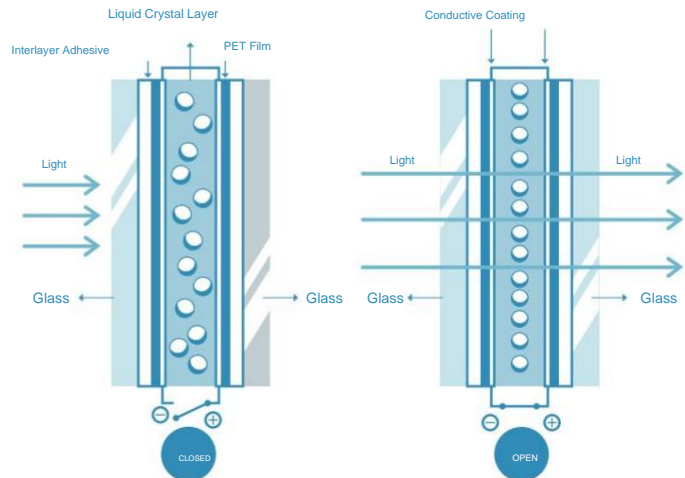
Optical Parameter

| Items | ON/OFF | | Test Methods/Standards |
|------------------------|-------------|-------------------|---|
| Working voltage | OPEN | 60V | Multimeter/Voltage Regulator, WGW |
| Power consumption | OPEN | 5W/m ² | Multi-parameter electrical measuring device |
| Viewing angle | OPEN | 160° | Visual Inspection |
| UV blocking rate | CLOSED | 99% | Optical temperature tester |
| Infrared blocking rate | CLOSED | 60% | |
| Response time | CLOSED OPEN | 30 ms | Liquid crystal parameter integrated tester |
| | ON-OFF | 200 ms | |
| Working temperature | -- | -30°C ~ 85°C | constant temperature and humidity testing machine |
| Lifetime | -- | 100,000 Hours | GB18910.5-2008 |
| Transitional times | -- | 2 million times | Homemade on/off tester |

Structural



Technical Principles



PDLC Film

Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.

Bello Dekor Yapı Taah. ve Dış Tic.Ltd.Şti.

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UTDAR Film

Ultra-thin transparency

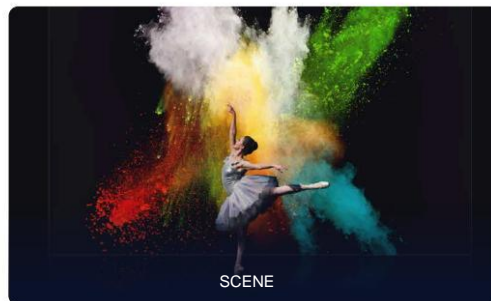
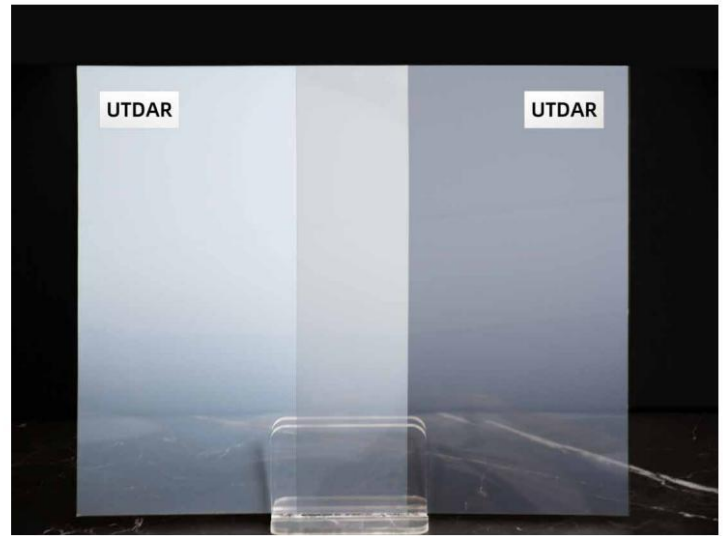
170°
Viewing angle

>70%
Permeability

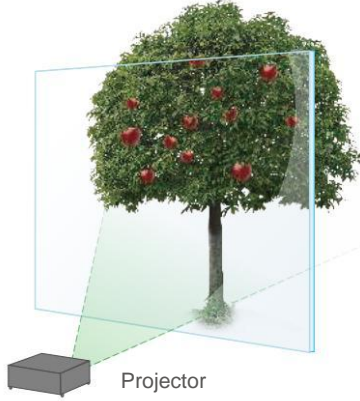
About

Filmbase UTDAR film (ultra-thin transparency screen), projector reflection
It is based on the imaging principle, and the surface of the film is coated with a nanoscale photosensitive coating through vacuum magnetron sputtering coating process.
coated with , so the film provides a high permeability and at the same time has a high reflectivity (mirror appearance), 170° phantom imaging, composite phantom imaging and stereoscopic suspended phantom viewing.

UTDAR film maintains transparency while maintaining image brightness and vibrant and saturated colors. Viewers can experience the holographic invisible screen
Thanks to this, you can see any object behind and use traditional projection
They can use a light-transmitting secondary display feature that is more transparent than the screen and can suspend the image in mid-air.



Display principle



Key Features



Transparent HD

It has unique features such as full transparency and high transparency. It can be placed in the best advertising position. Full transparency, high resolution, and the visual effect of 3D future technology can quickly increase the promotional effect.



Ultra-thin profile

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



High performance and low cost While existing 3D

transparent and AR display technologies on the market all require high costs, Filmbase double-sided projection film is a perfect combination of high performance and low cost.



Commercial value

While current 3D transparent and AR display technologies on the market all require high costs, Filmbase double-sided projection film is a perfect combination of high performance and low cost.

Product parameters

| | |
|---------------------|----------|
| Thickness | 0.2 mm |
| Width | 1320 mm |
| Haze | <2.0% |
| Viewing angle | 170° |
| donation | >70% |
| Working temperature | -20y-60y |
| Storage temperature | 25°C±1°C |
| Storage humidity | 35%-75% |
| Decisions | up to 8k |





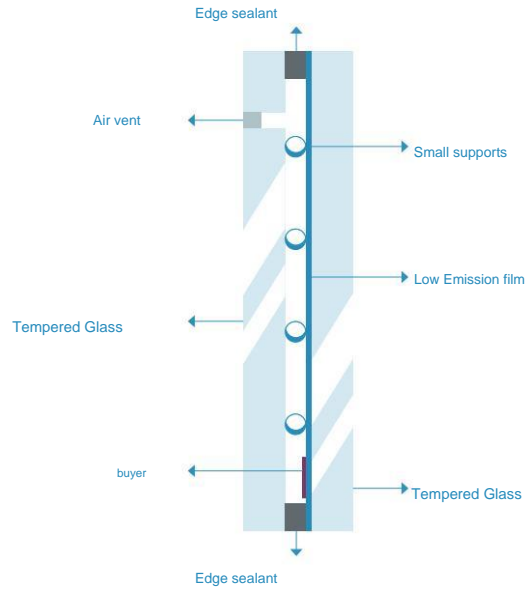
VC-Cam

95%
Heat insulation

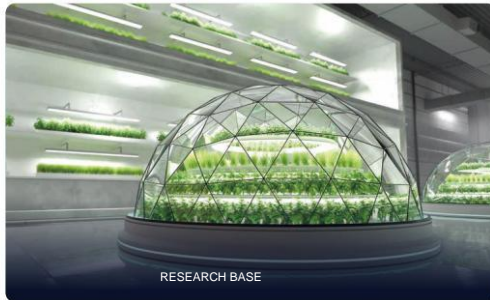
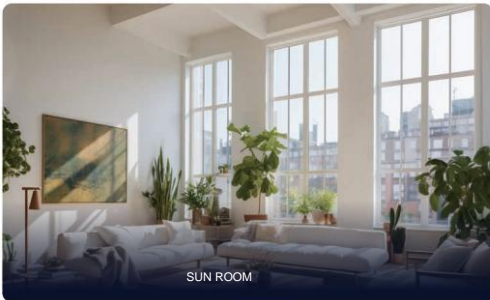
90%
Insulation efficiency



Technical Principles



Note: Color and thickness do not reflect the actual situation, they are provided for ease of display only.



Key Features



More trustworthy

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



Don't worry about size

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



Sound insulation

Sound insulation and noise reduction of Filmbase VC-Glass
Its performance is based on the fact that sound does not propagate in vacuum conditions. Weighted sound insulation **reaches 39 dB**.



Various angles

When Filmbase VC-Glass is placed horizontally, gas thermal is not affected by changes in conductivity.



Anti-condensation

Filmbase VC-Glass has no gas inside and will not condense even when the outdoor temperature reaches minus 40°C. It has passed RoHS certification and is fully integrated into the global high-end home appliance market. applicable.



Heat insulation

The heat transfer coefficient (U value) is as low as **0.4 W/m² K** , significantly reducing energy loss and building energy consumption. The thermal insulation effect on brick walls thicker than 1 meter is **4-6 times** greater than that of ordinary insulating glass.



Long service life

The seal is made entirely of glass material, the inner plus getter and Low-As long as E film, production process and equipment are improved, the service life of Filmbase VC-Glass is much longer than that of hollow glass with seals made of organic material. is long.



Be of equal quality

We have passed ISO9001:2015 quality system certification and every Filmbase VC- To ensure the reliable quality of our glass parts, we have undergone rigorous system and process audits by Bosch Home Appliances. We are also covered by PICC quality assurance insurance.

Product parameters

| Products | U value W/(m²·K) | Visible Light Permeability | Volume insulation | Normal size | Maximum size |
|-------------|------------------|----------------------------|-------------------|-------------|--------------|
| 5TL+0.3V+5T | 0.50 | 75% | 39 dB | 1500x2000mm | 2000x3000mm |

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

