

SWITCHABLE GLASS

Widely used in offices, hotels, banks, Hospitals, stores, clubs, villas and other places.



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.



Temperature Control

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



High ROI

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



Dynamic Designs

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



Optimize Space

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



Easy To Clean

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



Anti-noise

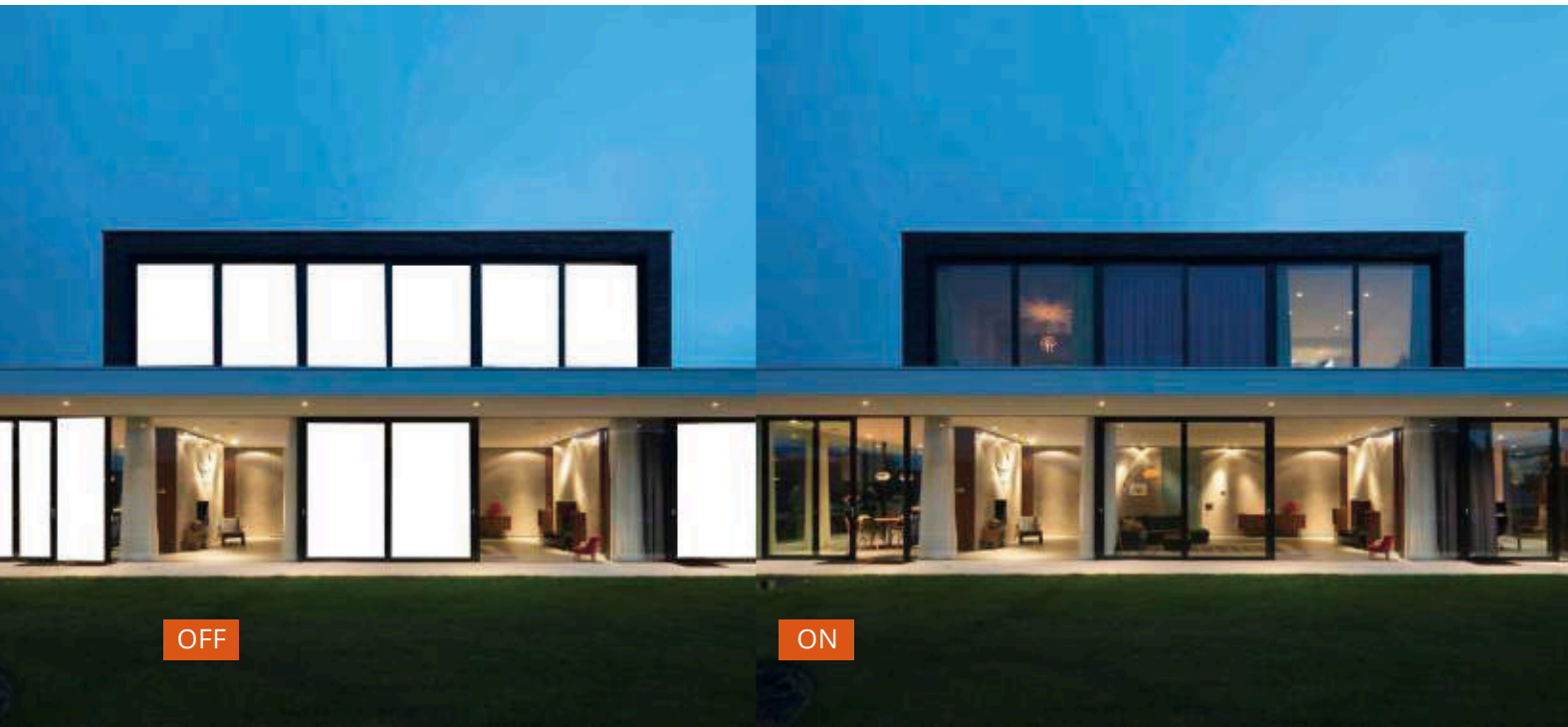
Compared with ordinary glass, the anti-noise ability of glass using Filmbase PDLC film is increased by 20%.



Various control methods

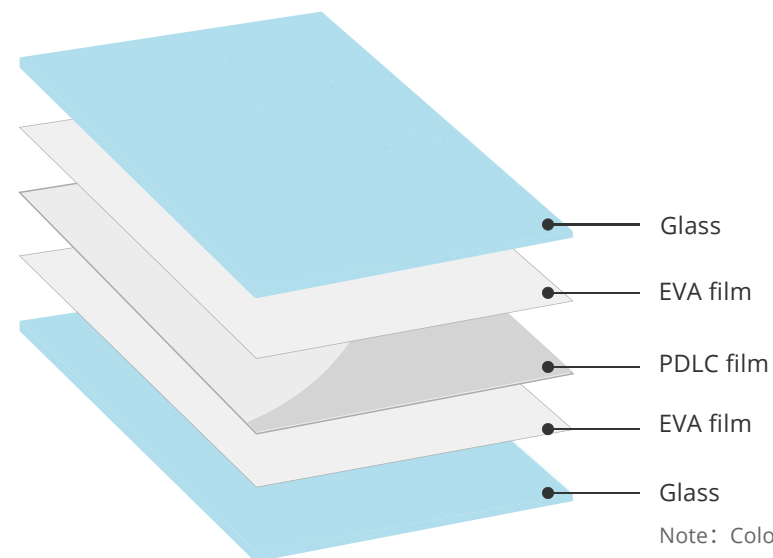
In order to meet your various needs, you can choose your preferred control method: remote control, wired control, infrared induction, voice control, mobile application, etc. In addition, an FM transformer can be selected to gradually change the film.





FILMBASE 0404/0505/0606

Filmbase switchable smart glass with PDLC films 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 0404

Items	Film	color	Haze	085 PDLC film White 6% 94% 79008770E0911m	091 PDLC film
(on)	Haze	(off)	Light	>86% 5w/m ² Eva 1800×2400mm White 0% 294%	White 3% 94%
transmittance	(on)	Light	60Hz	/220-240v 80% 68% 500%	83% 70% >99%
transmittance	(off)	Uv	Flat,Curved, Tempered, Ultra Clear	>86% 5w/m ²	>86% 5w/m ²
block Ir	block	Power		Eva	Eva
consumption	Compatible			1800×2400mm	1800×2400mm
with	Biggest	size	Input		
voltage	Glass	types			

Product Parameters

FILMBASE 0505

Items	Film	color	Haze	085 PDLC film White 6% 94% 8008770E0911m	091 PDLC film
(on)	Haze	(off)	Light	>86% 5w/m ² Eva 2000×2800mm White 0% 294%	White 3% 94%
transmittance	(on)	Light	60Hz	/220-240v 81% 68% 500%	84% 72% >99%
transmittance	(off)	Uv	Flat,Curved, Tempered, Ultra Clear	>86% 5w/m ²	>86% 5w/m ²
block Ir	block	Power		Eva	Eva
consumption	Compatible			2000×2800mm	2000×2800mm
with	Biggest	size	Input		
voltage	Glass	types			

Product Parameters

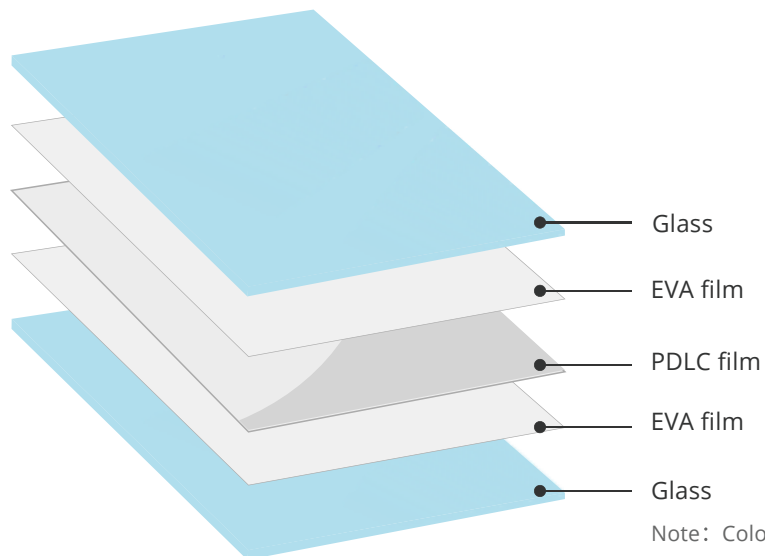
FILMBASE 0606

Items	Film	color	Haze	085 PDLC film White 6% 94% 79008770E0911m	091 PDLC film
(on)	Haze	(off)	Light	>86% 5w/m ² Eva 2000×3000mm White 0% 294%	White 3% 94%
transmittance	(on)	Light	60Hz	/220-240v 80% 68% 500%	83% 70% >99%
transmittance	(off)	Uv	Flat,Curved, Tempered, Ultra Clear	>86% 5w/m ²	>86% 5w/m ²
block Ir	block	Power		Eva	Eva
consumption	Compatible			2000×3000mm	2000×3000mm
with	Biggest	size	Input		
voltage	Glass	types			



FILMBASE 0808/1010/1212

Filmbase switchable smart glass with PDLC films 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

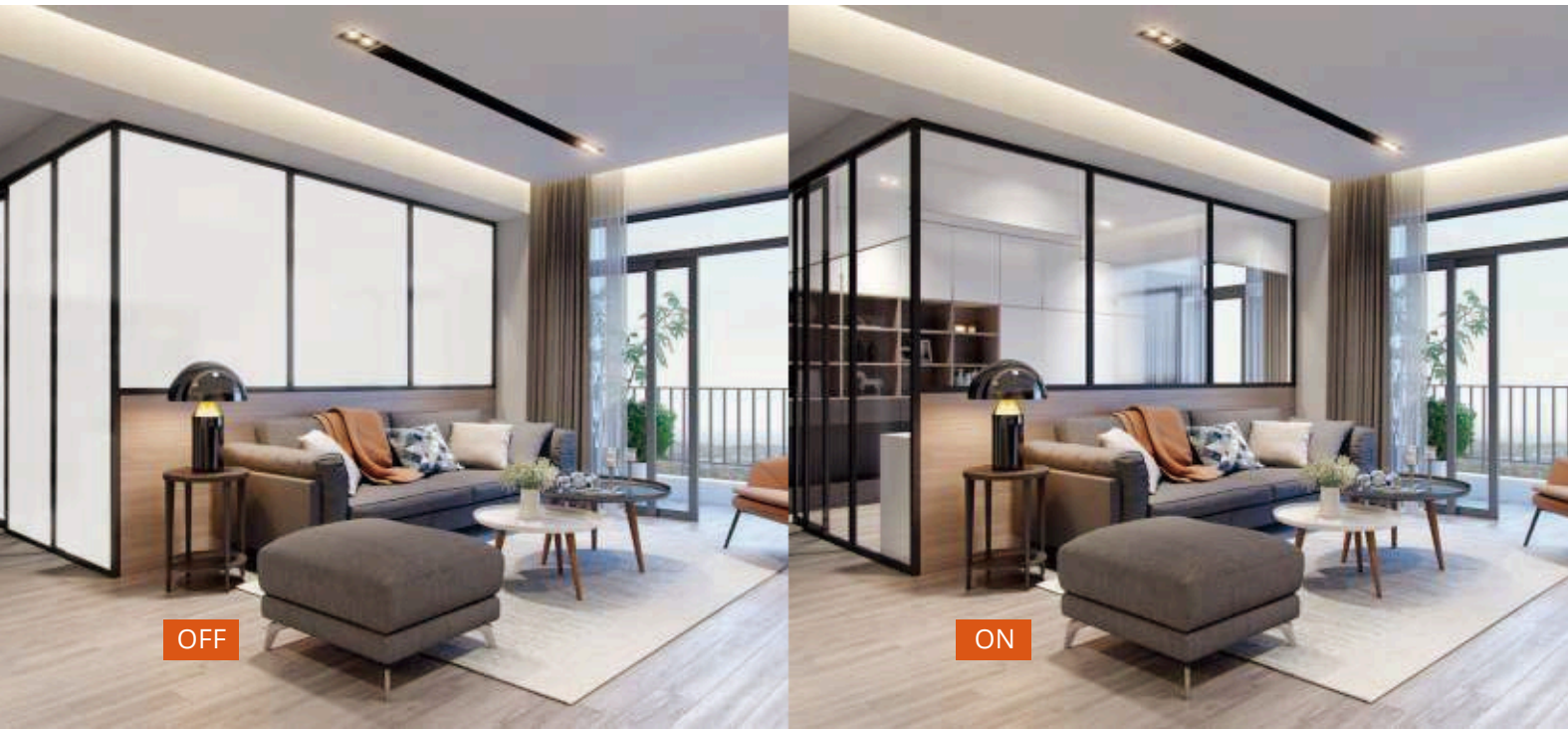
Items	Film	color	Haze	085 PDLC film	White 6% 94%	78% 87% 91%	091 PDLCfilm
(on)	Haze	(off)	Light	>86%	5w/m ² Eva	White 4% 94%	White 3% 94%
transmittance	(on)	Light		2000×4000mm		79% 65%	82% 68%
transmittance	(off)	Uv		100-120v 60Hz /220-240v 50hz		>99% >86%	>99% >86%
block	Ir	block	Power	Flat,Curved,Tempered,Ultra		5w/m ² Eva-	5w/m ² Eva
consumption	Compatible			E,Other		2000×4000m	2000×4000m
with	Biggest	size	Input			m	m
voltage Glass types							

Product Parameters FILMBASE 1010

Items	Film	color	Haze	085 PDLC film	White 6% 94%	69% 87% 91%	091 PDLCfilm
(on)	Haze	(off)	Light	>86%	5w/m ² Eva	White 4% 94%	White 3% 94%
transmittance	(on)	Light		2000×5000mm		70% 56%	73% 59%
transmittance	(off)	Uv		100-120v 60Hz /220-240v 50hz		>99% >86%	>99% >86%
block	Ir	block	Power	Flat,Curved,Tempered,Ultra		5w/m ² Eva-	5w/m ² Eva
consumption	Compatible			E,Other		2000×5000m	2000×5000m
with	Biggest	size	Input			m	m
voltage Glass types							

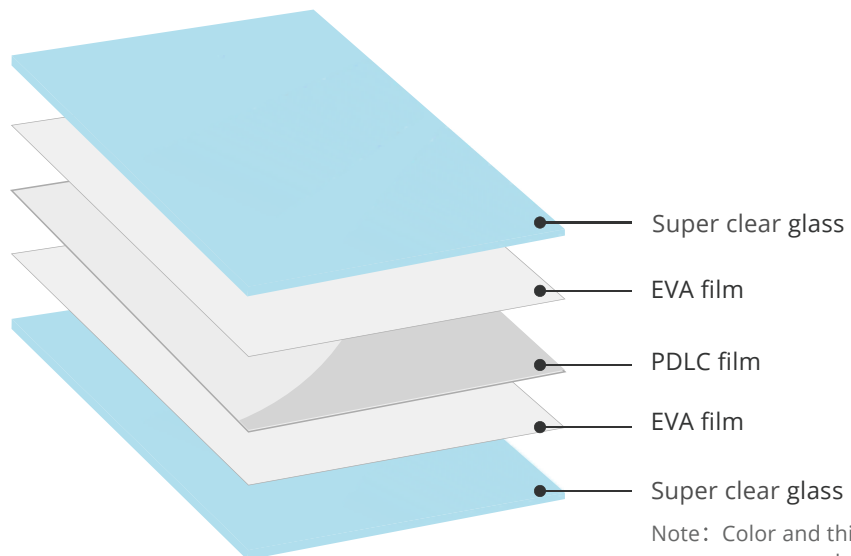
Product Parameters FILMBASE 1212

Items	Film	color	Haze	085 PDLC film	White 6% 94%	65% 87% 91%	091 PDLCfilm
(on)	Haze	(off)	Light	>86%	5w/m ² Eva	White 4% 94%	White 3% 94%
transmittance	(on)	Light		2000×6000mm		66% 50%	67% 51%
transmittance	(off)	Uv		100-120v 60Hz /220-240v 50hz		>99% >86%	>99% >86%
block	Ir	block	Power	Flat,Curved,Tempered,Ultra		5w/m ² Eva-	5w/m ² Eva
consumption	Compatible			E,Other		2000×6000m	2000×6000m
with	Biggest	size	Input			m	m
voltage Glass types							



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.

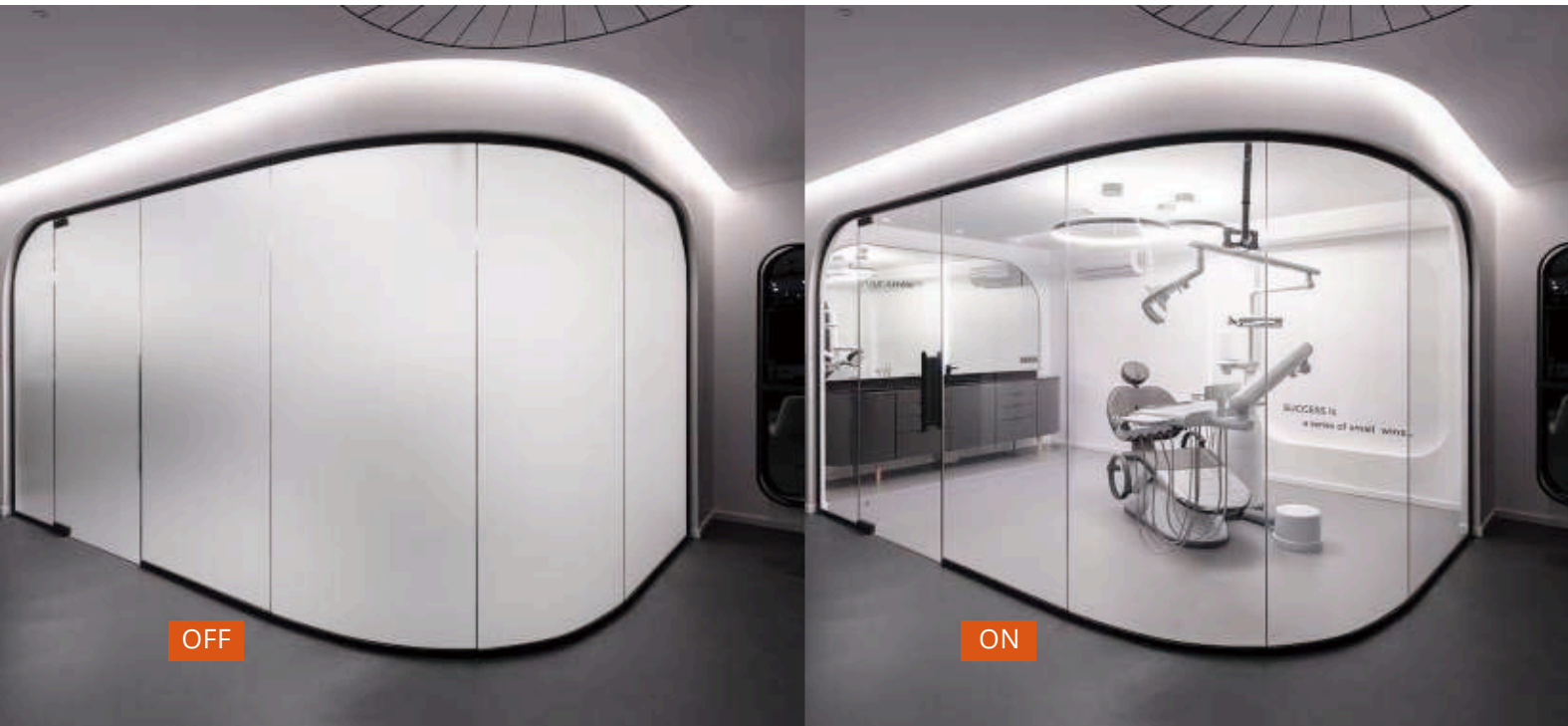


Note: Color and thickness do not represent the actual situation, only for the convenience of illustration.

Product Parameters				FILMBASE 0404 Plus			
Items	Film	color	Haze	085 PDLC film	White 6% 94% 82%	091 PDLC film	091 PDLC film
(on)	Haze	(off)	Light	>86%	5w/m ² Eva 1800×2400m	White 3% 94%	White 3% 94%
transmittance	(on)	Light	60Hz	/220-240v	83%	50%	87%
transmittance	(off)	Uv	Flat,Curved, Tempered,Ultra	>99%	Ear,Le	86%	>99%
block	Ir	block	Power	E,Other	5w/m ²	Eva	5w/m ²
consumption	Compatible				1800×2400m		1800×2400m
with	Biggest	size	Input		m		m
voltage Glass types							

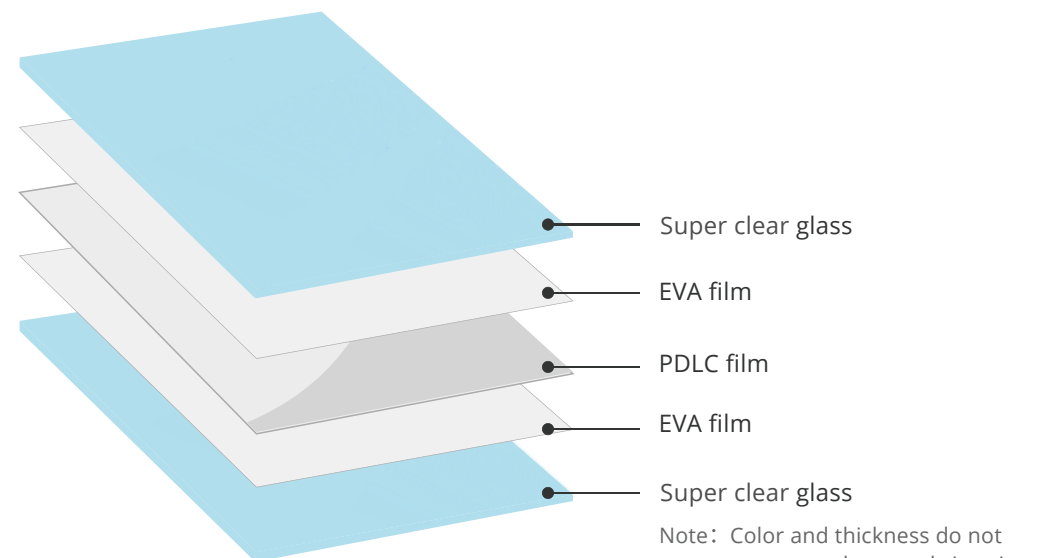
Product Parameters				FILMBASE 0505 Plus			
Items	Film	color	Haze	085 PDLC film	White 6% 94% 81%	091 PDLC film	091 PDLC film
(on)	Haze	(off)	Light	>86%	5w/m ² Eva 2000×2800m	White 3% 94%	White 3% 94%
transmittance	(on)	Light	60Hz	/220-240v	82%	50%	86%
transmittance	(off)	Uv	Flat,Curved, Tempered,Ultra	>99%	Ear,Le	86%	>99%
block	Ir	block	Power	E,Other	5w/m ²	Eva	5w/m ²
consumption	Compatible				2000×2800m		2000×2800m
with	Biggest	size	Input		m		m
voltage Glass types							

Product Parameters				FILMBASE 0606 Plus			
Items	Film	color	Haze	085 PDLC film	White 6% 94% 81%	091 PDLC film	091 PDLC film
(on)	Haze	(off)	Light	>86%	5w/m ² Eva 2000×3000m	White 3% 94%	White 3% 94%
transmittance	(on)	Light	60Hz	/220-240v	82%	50%	86%
transmittance	(off)	Uv	Flat,Curved, Tempered,Ultra	>99%	Ear,Le	86%	>99%
block	Ir	block	Power	E,Other	5w/m ²	Eva	5w/m ²
consumption	Compatible				2000×3000m		2000×3000m
with	Biggest	size	Input		m		m
voltage Glass types							



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.

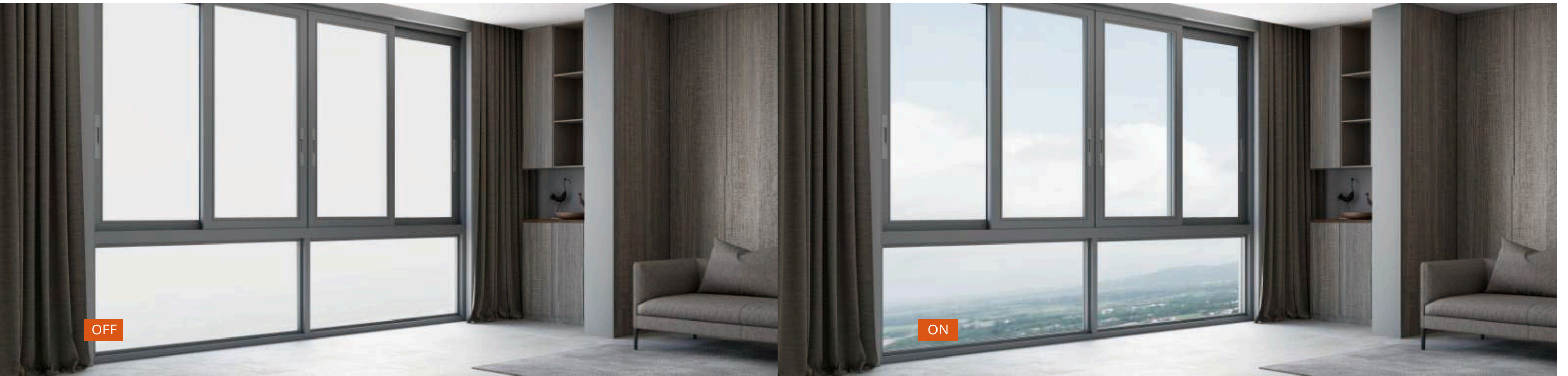


Note: Color and thickness do not represent the actual situation, only for the convenience of illustration.

Product Parameters				FILMBASE 0808 Plus			
Items	Film color	Haze	085 PDLC film White 6% 94% 81%	091 PDLC film			
(on)	Haze (off)	Light	>86% 5w/m ² Eva 2000×4000m	White 3% 94%			
transmittance	(on)	Light	60Hz /220-240v	82%	50%		
transmittance	(off)	Uv	Flat,Curved,Tempered,Ultra	>99%	86%		
block Ir	block	Power	E,Other	5w/m ²	Eva		
consumption	Compatible			2000×4000m			
with Biggest	size	Input			m		
voltage Glass types							

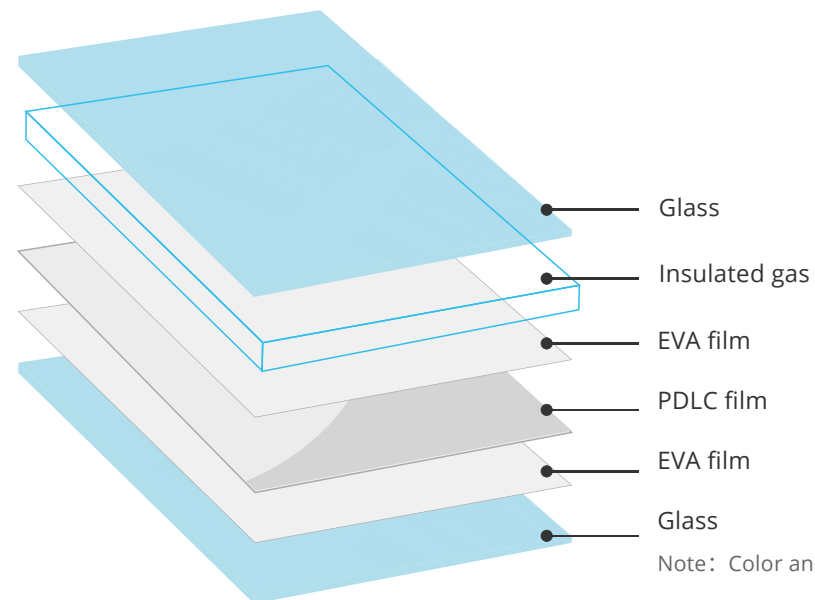
Product Parameters				FILMBASE 1010 Plus			
Items	Film color	Haze	085 PDLC film White 6% 94% 80%	091 PDLC film			
(on)	Haze (off)	Light	>86% 5w/m ² Eva 2000×5000m	White 3% 94%			
transmittance	(on)	Light	60Hz /220-240v	81%	50%		
transmittance	(off)	Uv	Flat,Curved,Tempered,Ultra	>99%	86%		
block Ir	block	Power	E,Other	5w/m ²	Eva		
consumption	Compatible			2000×5000m			
with Biggest	size	Input			m		
voltage Glass types							

Product Parameters				FILMBASE 1212 Plus			
Items	Film color	Haze	085 PDLC film White 6% 94% 80%	091 PDLC film			
(on)	Haze (off)	Light	>86% 5w/m ² Eva 2000×6000m	White 3% 94%			
transmittance	(on)	Light	60Hz /220-240v	81%	50%		
transmittance	(off)	Uv	Flat,Curved,Tempered,Ultra	>99%	86%		
block Ir	block	Power	E,Other	5w/m ²	Eva		
consumption	Compatible			2000×4000m			
with Biggest	size	Input			m		
voltage Glass types							



FILMBASE Smart facade glass

Switchable glass is a new type of laminated structural glass, combining PDLC film between two layers of glass at high temperature and high pressure after the overall formation of bonding. With a controller, it can instantly switch between opaque and transparent.



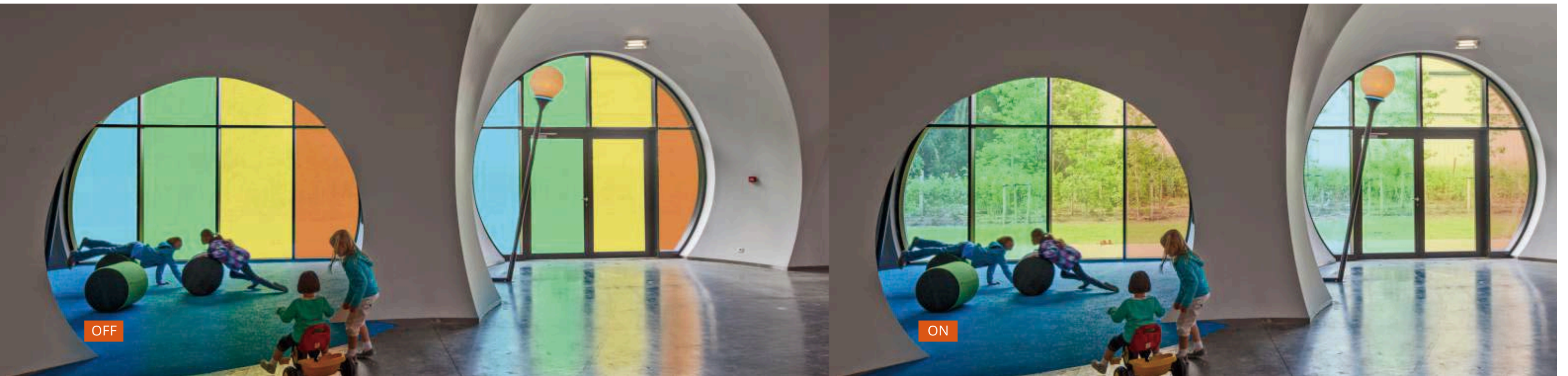
Note: Color and thickness do not

represent the actual situation, only for the convenience of illustration.

Product Parameters

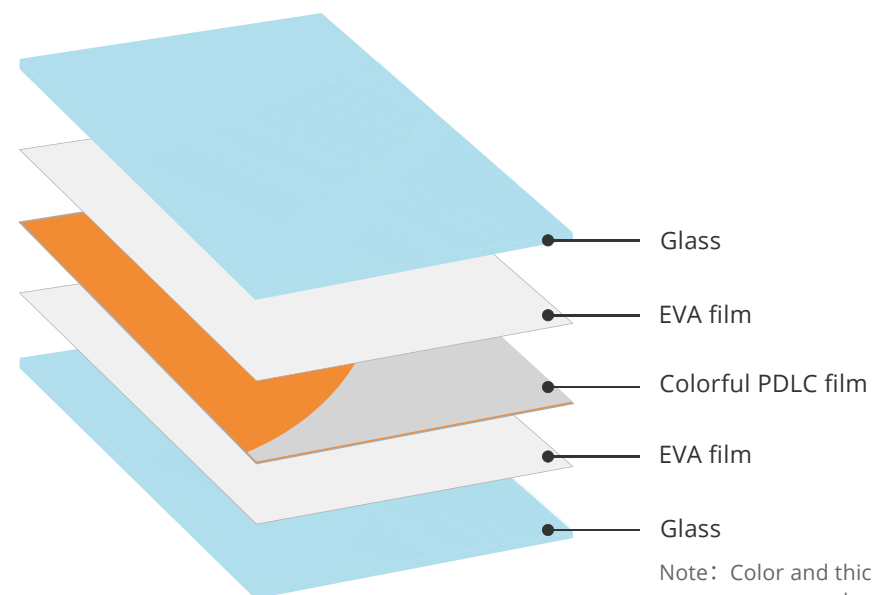
FILMBASE Smart facade glass

Items	Film	color	Haze	085 PDLC film	White 6%	94%	72%	870PDLC film	091 PDLC film	
(on)	Haze	(off)	Light	>86%	5w/m ²	Eva	White 4%	94%	White 3%	94%
transmittance	(on)	Light		1800×3600mm	75%	63%			77%	65%
transmittance	(off)	Uv		100-120v 60Hz /220-240v 50hz	>99%	>86%			>99%	>86%
block Ir	block	Power		Flat,Curved,Tempered,Ultra	5w/m ²	Eva			5w/m ²	Eva
consumption	Compatible			E,Other	1800×3600m				1800×3600m	
with Biggest size	Input				m				m	
voltage Glass types										



FILMBASE Art glass

Switchable glass is a new type of laminated structural glass, combining color PDLC film between two layers of glass at high temperature and high pressure after the overall formation of bonding. With a controller, it can instantly switch between opaque and transparent.

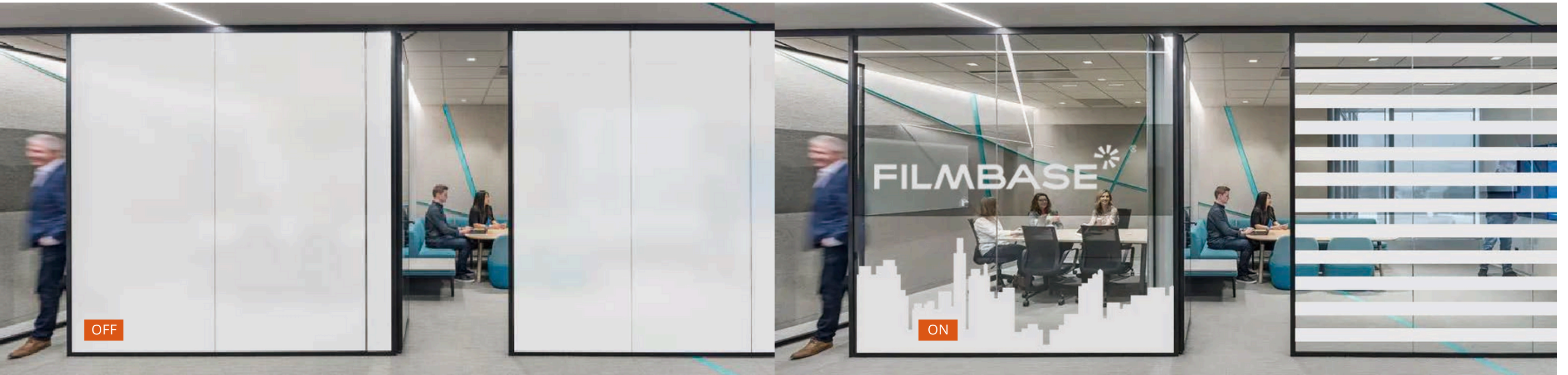


Note: Color and thickness do not represent the actual situation, only for the convenience of illustration.

Product Parameters

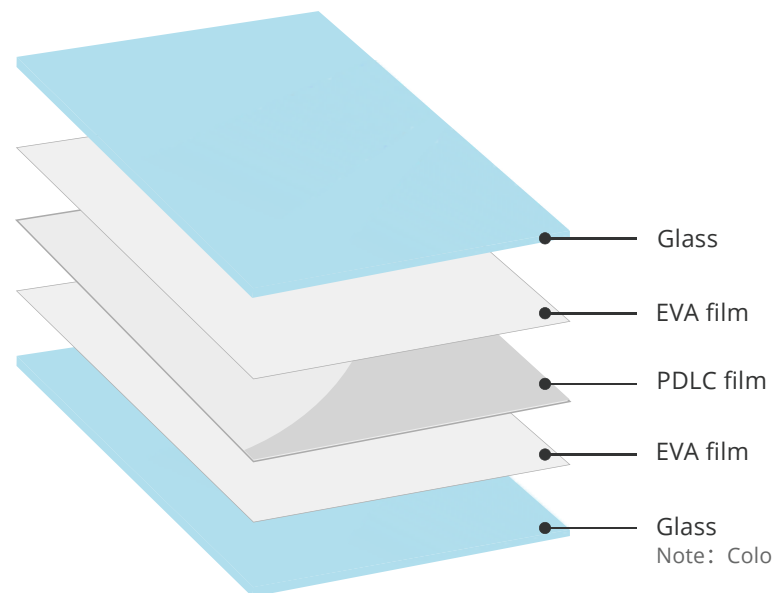
FILMBASE Art glass

Film color	Gray	Black	Blue	Green	Orang	Red
Uv block	>99%	>99%	>99%	>99%	e >99%	>99%
Ir block	>86%	>86%	>86%	>86%	>86%	>86%
Power consumption	5w/m ²	5w/m ²	5w/m ²	5w/m ²	5w/m ²	5w/m ²
Compatible with	Eva	Eva	Eva	Eva	Eva	Eva
Input voltage	100-120v 60Hz /220-240v 50hz					
Glass types	Flat,Curved,Tempered,Ultra Clear,Low-E,Other					



FILMBASE Limited edition glass

Switchable glass is a new type of laminated structural glass, combining PDLC film between two layers of glass at high temperature and high pressure after the overall formation of bonding. With a controller, it can instantly switch between opaque and transparent.



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

Product Parameters

FILMBASE Limited edition glass

Items	087 PDLC film
Film color	White
Uv block	>99%
Ir block	>86%
Power consumption	5w/m ²
Compatible with	Eva
Input voltage	100-120v 60Hz / 220-240v 50hz
Glass types	Flat, Curved, Tempered, Ultra Clear, Low-E, Other