

Self adhesive smart films Series

It designed to be retrofitted into an existing space for an instant upgrade ,This adhesive smart films work just like laminated smart glass, instantly switching from opaque to transparent for dynamic light control. Installed by trained film installers onto existing windows and glass partitions

VANLONG SELF-ADHESIVE PDLC FILM STRUCTURE



Filmbase self adhesive smart films

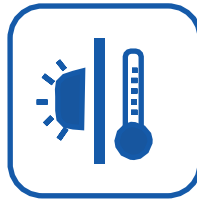
Filmbase self adhesive smart films

Benefits



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

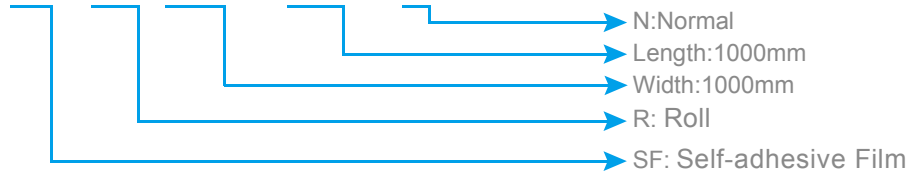
Eliminate fabric or electronic curtains that are hard to clean and collect germs while affecting designs



Enhance Wellbeing

Provide light or privacy and give users flexibility to control their space for greater sense of control and wellbeing

Model:SF - R - 1000 - 1000 - N



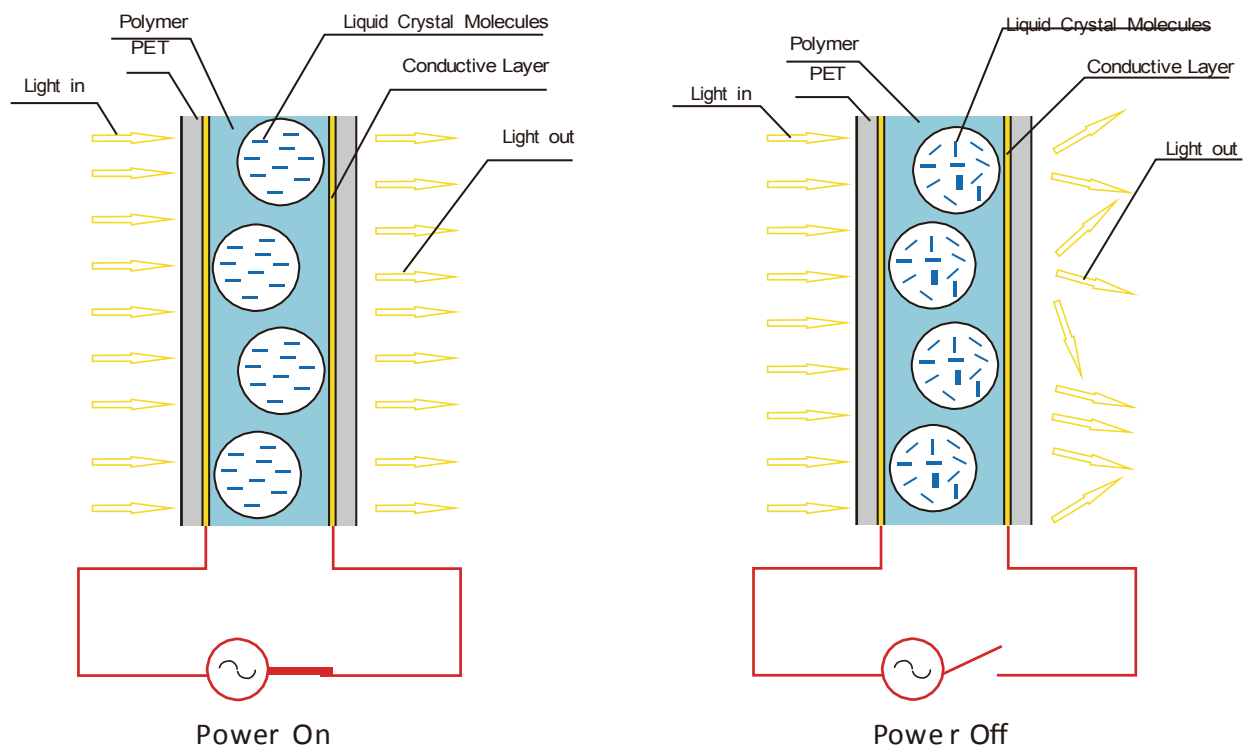
SF	R	1000	1000	N
SF=Self-adhesive Film	R=Roll P=Piece	1000=1000mm (Width)	1000=1000mm (Length)	N=Normal U=UV-Painted M=Multifunctional V=Variform

Note: Films in Roll refer the first four columns

Parameter	Status	SF-R	SF-P		
	ON/OFF	SF-R-xxxx-xxx	SF-P-xxxx-xxx-N	SF-P-xxxx-xxx-V	SF-P-xxxx-xxx-M
VLT (Parallel light transmittance)	OFF	3%±1%			
	ON	85%±1%			
Total Transmittance	ON	82%/88%(High Transmittance)			
	OFF	65%±1%			
Haze	ON	<3%±1%			
	OFF	>95%±1%			
Off-axis Haze 45°	ON	8-11%			
Width		MAX ≤1840mm			
Film Thickness		0.35-0.55mm			
Switching Time	ON	200ms			
	OFF	220ms			
Operating Modes		ON/OFF/DIM			
Operating Voltage		AC60V			
Power Input		AC100-120V60Hz / 220-240V50Hz			
Controller		FILMBASE dedicated remote power supply			
Power Consumption	ON	avg. 4-6W/m ²			
Operating Temperature		-20°C to +110°C			
IR Block		85%			
UV Block		99%			
Viewing angle	ON	160°+1%			
Length tolerance		+0.5/-0 meter	+0/-2mm		
Width tolerance		+5/-0mm	+0/-2mm		

Laminated Smart Film Series

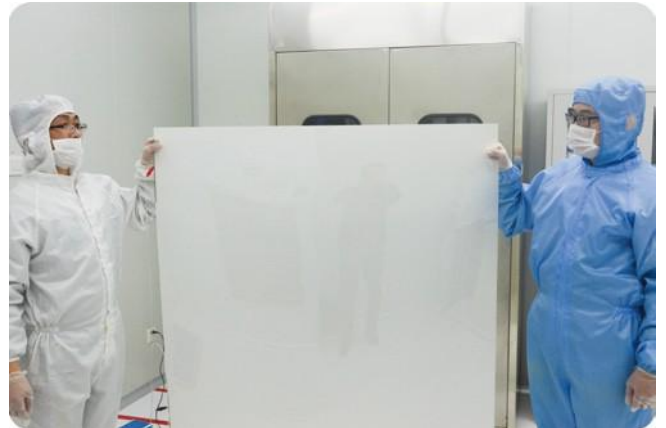
Filmbase[®] smart film technology consists of a special Liquid Crystal formulation that is coated between two sheets of PET-ITO, and then UV cured, creating a single film. dims or turns on and off from opaque to transparent with our patented control systems supporting dynamic light control.



Our products mainly include Smart film (including laminated smart film and self-adhesive smart film), Smart glass and smart power adapters

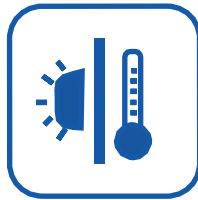
Laminated Smart Film

Filmbase® PDLC Film consists of a polymer matrix of liquid crystals enclosed by electrically conductive Indium Tin Oxide-coated PET film. The resulting PDLC Film has wiring attached to a conductive copper strip along the film's edge. This wiring is connected to a step-down transformer through which power is supplied for the "on" (clear) state.



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Instant Upgrade

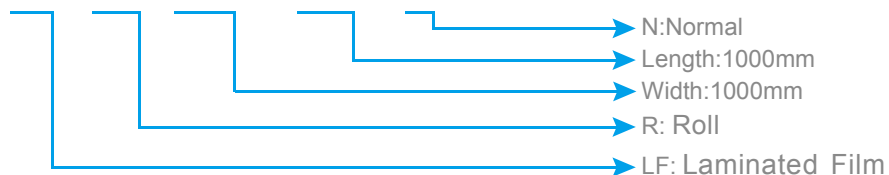
Easy-to-install film converts ordinary glass into smart, dynamic glass for immediate use



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Model:LF - R - 1000 - 1000 - N



LF	R	1000	1000	N
LF=Laminated Film	R=Roll P=Piece	1000=1000mm (Width)	1000=1000mm (Length)	N=Normal U=UV-Painted M= Multifunctional V= Variform

Note: Films in Roll refer the first four columns

Parameter	Status	LF-R	LF-P		
	ON/OFF	LF-R-xxxx-xxx	LF-P-xxxx-xxx-N	LF-P-xxxx-xxx-V	LF-P-xxxx-xxx-M
VLT (Parallel light transmittance)	OFF	3%±1%			
	ON	85%±1%			
Total Transmittance	ON	82%/88%(High Transmittance)			
	OFF	65%±1%			
Haze	ON	<3%±1%			
	OFF	>95%±1%			
Off-axis Haze 45°	ON	8-11%			
Width		MAX ≤2050mm			
Film Thickness		0.35-0.55mm			
Switching Time	ON-OFF	200ms			
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Operating Modes		ON/OFF/DIM			
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Power Consumption	ON	avg. 3W/m ²			
Operating Temperature		-20°C to +110°C			
IR Block		85%±1%			
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Viewing angle	ON	160°±1°			
Length tolerance		+0.5/-0 meter	+0/-2mm		
Width tolerance		+5/-0mm	+0/-2mm		

Applications

► Office

Filmbase® Smart Glass makes your office more beautiful, saves energy and gives privacy when needed



Residential

Filmbase@ Smart Glass makes your home more secure gives privacy and more space



Hotel

Filmbase® Smart Glass makes your hotel more impressive, efficient and more comfortable.



► Store

Filmbase® Smart Glass makes your store more attractive, impressive and more creative



► Service Counter

Filmbase® Smart Glass makes your Service counter safer, more efficient and more novel



Hospital

Filmbase@ Smart Glass make your Hospital more security health and more comfortable

