GPS MONACO Group
Construction

Shutters Catalog

Built-in Hollow Louvers

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Built-in Hollow Louvers

(1) Built-in shading insulating glass is a new energy-saving product which refers to a shading device installed in the insulating glass chamber.

(2) How to classify the built-in shade insulating glass:
According to the sunshade material, it can be divided into hollow honeycomb curtain and hollow louver;
According to the driving mode, it can be divided into electric products and manual products;
According to the installation environment, it can be divided into roof shade and facade shade;
According to the chamber thickness, it can be divided into 27A, 21A, 20A, 19A.

Specification

The maximum area of a single piece is 2.2m^2, the maximum width is 1.5m, and the maximum is 2.4m.
The maximum area is 4m^2, the maximum width is 2.5m, and the maximum is 2.4m.
The maximum area of an electric single is 6m^2, the maximum width is 2.3m, and the maximum is 2.6m.

Single Width

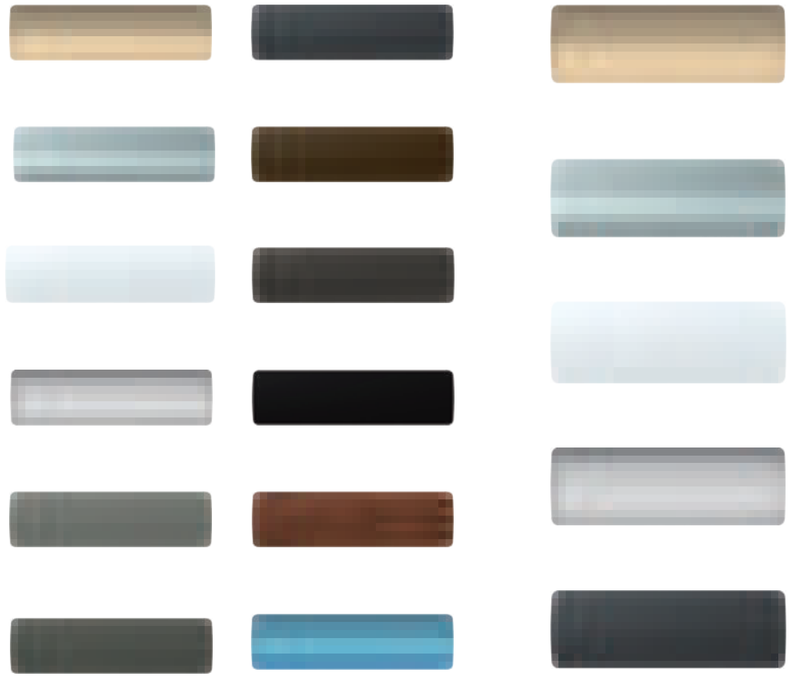
Double Width

Louver Selection

(1)material: magnesium aluminum alloy

(2)characteristics: in the practical metal is the lightest metal, its special resistance to depression is good compared with other metals deformation resistance is large, caused by the impact of the depression is smaller than other metals. It is not easy to oxidize and has high corrosion resistance.

(3)The 12 series curtain on the color card is used for 19A/20A magnetic control louvers and 21A electric louvers, and the size of the curtain is 12.5mm*0.2mm.



Performance Parameter

Glass configuration :5mm tempered white glass +19A built-in louver +5mm tempered white glass

Shading Coefficient Ss

Louver Full recovery SC=0.84

Louver Rotation45°SC=0.41

Louver Fully Extended CloseSC=0.29

Heat transfer coefficient

U-Value(w/m².K)

Louver Full extension closure K=2.05 (w/m².k)

Louver Full recovery K=2.50 (w/m².k)

Visible Transmittance

VisibleLight(%)

= 81.00

Service Life

60,000 cycles (drop - fold to one cycle). If you press 4-5 times/day: the service life is: 33-40 years. Test results: 60,000 repeated runs, no dysfunction and damage occurred.

Technical Demand

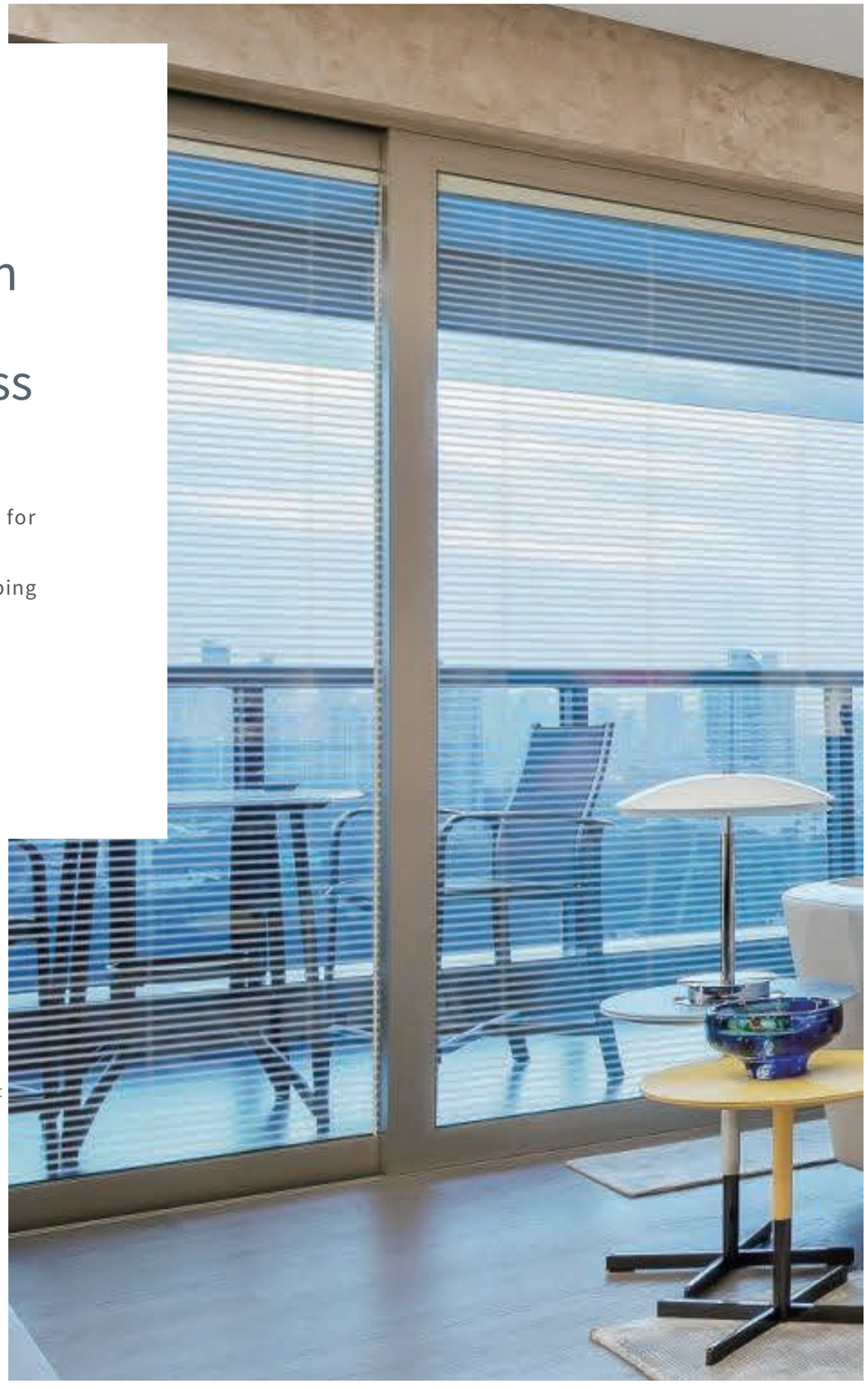
Contrast Item	Others	Manual Series	picture
Air tightness/ molecular sieve	1, the structure is limited, only the bottom strip filling molecular sieve. 2, a small amount of molecular sieve did not play a sufficient role, the louver system can not achieve perfect sealing, air tightness is not guaranteed.	1, the four sides of the partition around the filling molecular sieve, with excellent sealing. 2, in line with the national standard "GB/T-11944-2012 Standard of insulating glass of the People's Republic of China. Butyl rubber seal and partition strip 90% canned molecular sieve. 3, can make the dew point test ⩽-60℃. 4, there will be no condensation in the cold winter.	
Handle-guided Track	1. Aluminum alloy guide rail, 10mm higher than the glass surface affects the installation of the door and window frame, and there is a color difference with the door and window profiles. 2, aluminum alloy guide external is not suitable for system doors and Windows. The rubber seal will fail.	1, invisible guide design, the appearance is transparent, almost can not see the existence of the guide rail; Reduce color difference with door and window profiles. 2, the guide rail internal installation method is suitable for various installation methods of doors and Windows (including plastic steel Windows, aluminum alloy doors and Windows, system doors and Windows; Press wire installation and glue installation method).	

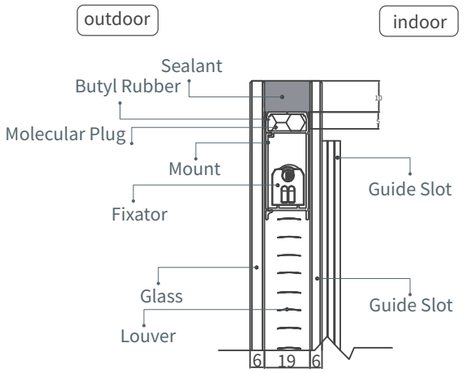
Whether the handle can be remounted	Handle installation factory easily due to improper transportation, such as shutter scattered, deformation, decoration, resulting in scratches, damage to heavy hand problems.	1, the exclusive first technology, the lowest hand can be as low as 12cm, about 3 times higher than the peer products. 2, built-in special storage device mechanism, can realize the installation needs can choose to take the handle factory or after the installation of the handle factory, easy to transport and installation. 3, after the installation of the hand to effectively prevent the site sand, dust into the magnet, affecting the use of the effect.	
Fillet	90° Right Angle combination	1, 45 ° Angle, the exclusive national patented technology, dynamic suspension automatic correction Angle device, to ensure that the Angle is smooth and beautiful. 2. The unidirectional wheel structure is used in the group Angle, which greatly improves the threshold value of louver slip. 3, the Angle is connected by 90 ° expansion Angle code, and the group Angle is suspended, which can ensure that the interior profile is smooth, good position, and the splicing is tightly stitched.	
Automatic Plumbing Device	Nothing	Patented technology, automatic leveling device, can avoid the left and right uneven, tilt and card, card frame and other phenomena.	

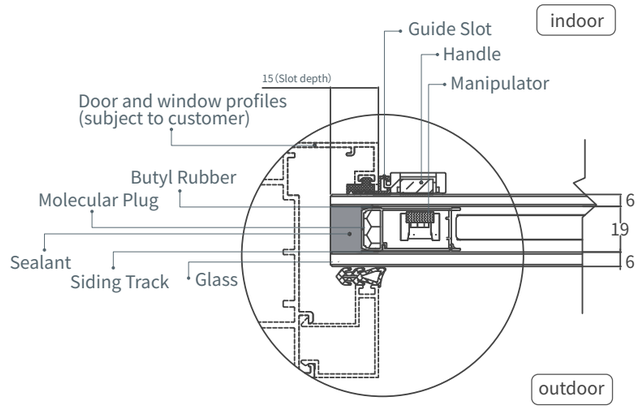
Magnetic Control Built-in

Louvered Insulating Glass

- 20mm hollow layer
- Glidea patented transmission system is adopted for manual control by magnetic pole attraction
- The right magnetic handle controls the louver flipping dimming and lifting
- Adopt the latest warm edge system



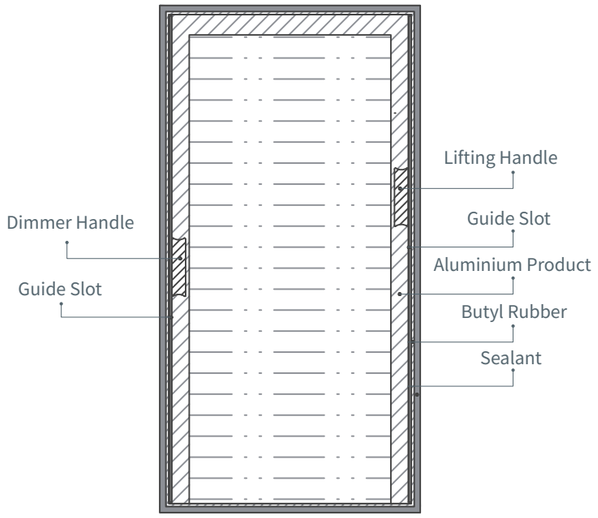


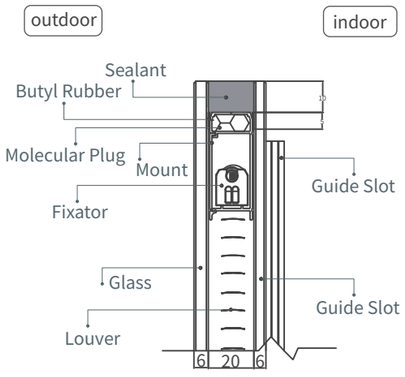


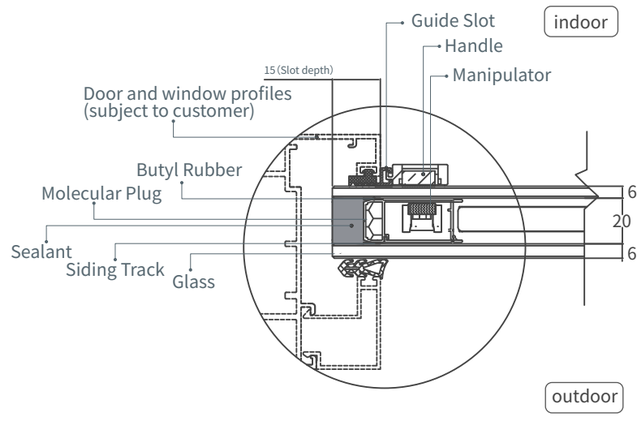
Insulating Glass Specification			5mm+19A+5mm
Single Shutter Specifications	Maximum Area		3.6m²
	Maximum	Width	1800mm
		Height	2700mm
	Minimum	Width	230mm
		Height	340mm

Magnetic Control Built-in Louvered Insulating Glass

- 20mm hollow layer
- The transmission system is adopted, and the magnetic poles are attracted for manual control
- The right magnetic handle controls the dimming and lifting of the louvers
- Using the latest warm edge system



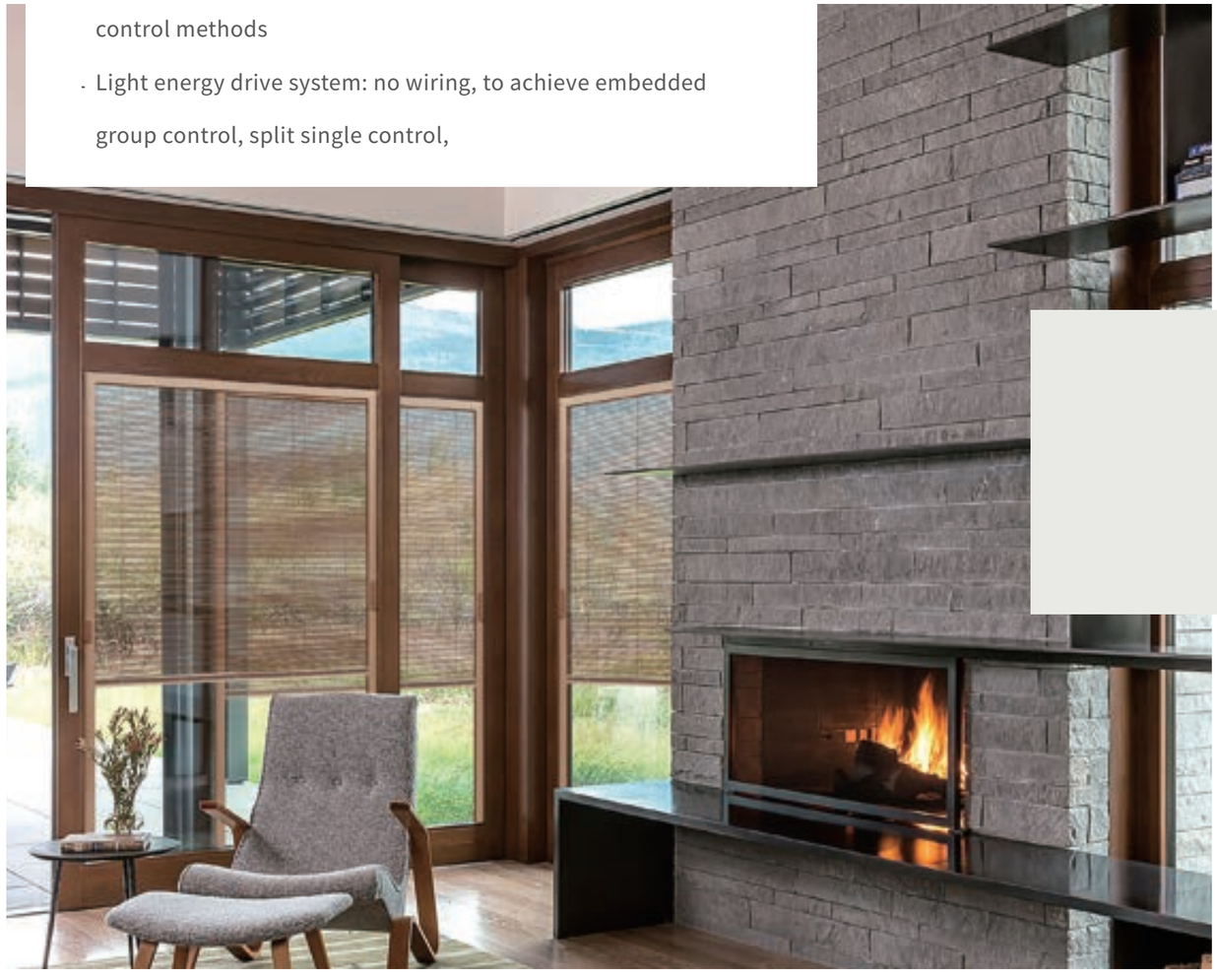


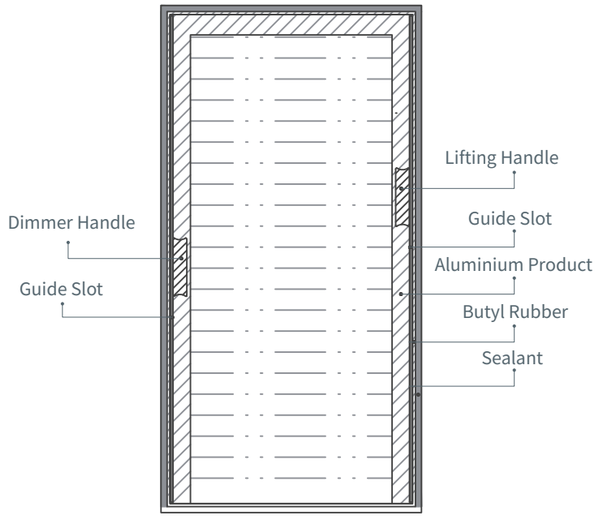


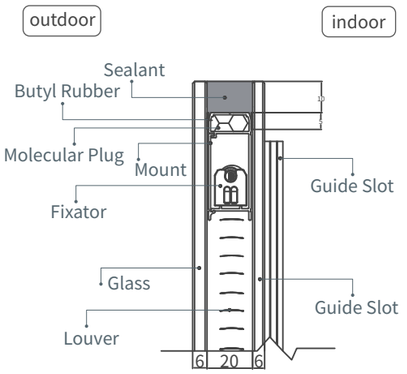
Insulating Glass Specification	Single Shutter Specifications				
	Maximum Area	Maximum		Minimum	
		Width	Height	Width	Height
5mm+20A+5mm	2.7m²	1800mm	2500mm	298mm	360mm

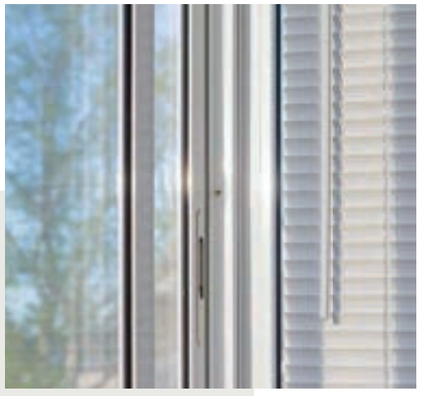
Magnetic Control Built-in Louvered Insulating Glass

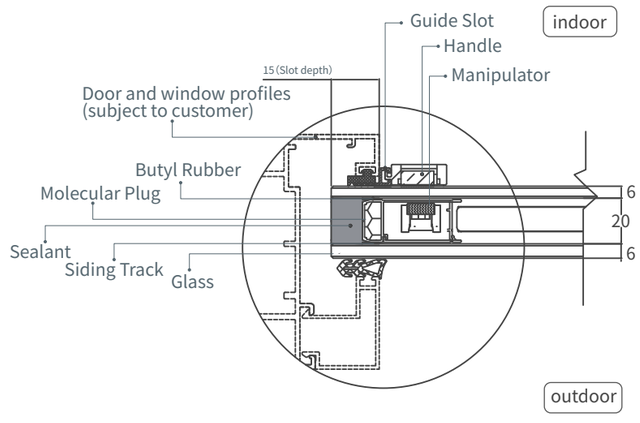
- 21mm hollow layer
- Control methods to meet different needs: traditional wiring, light energy
- Traditional 220V power wiring mode: realize wall set switch and split wireless connection,Receiver, smart home and other control methods
- Light energy drive system: no wiring, to achieve embedded group control, split single control,







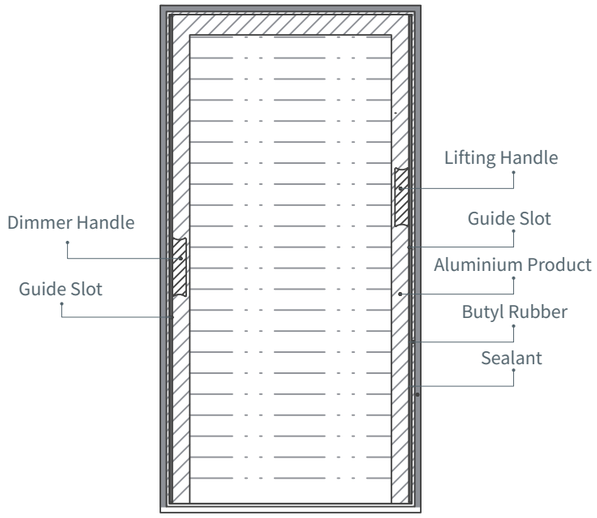


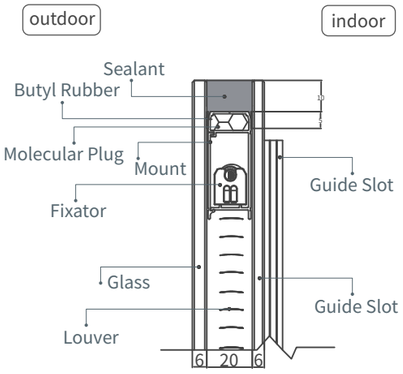


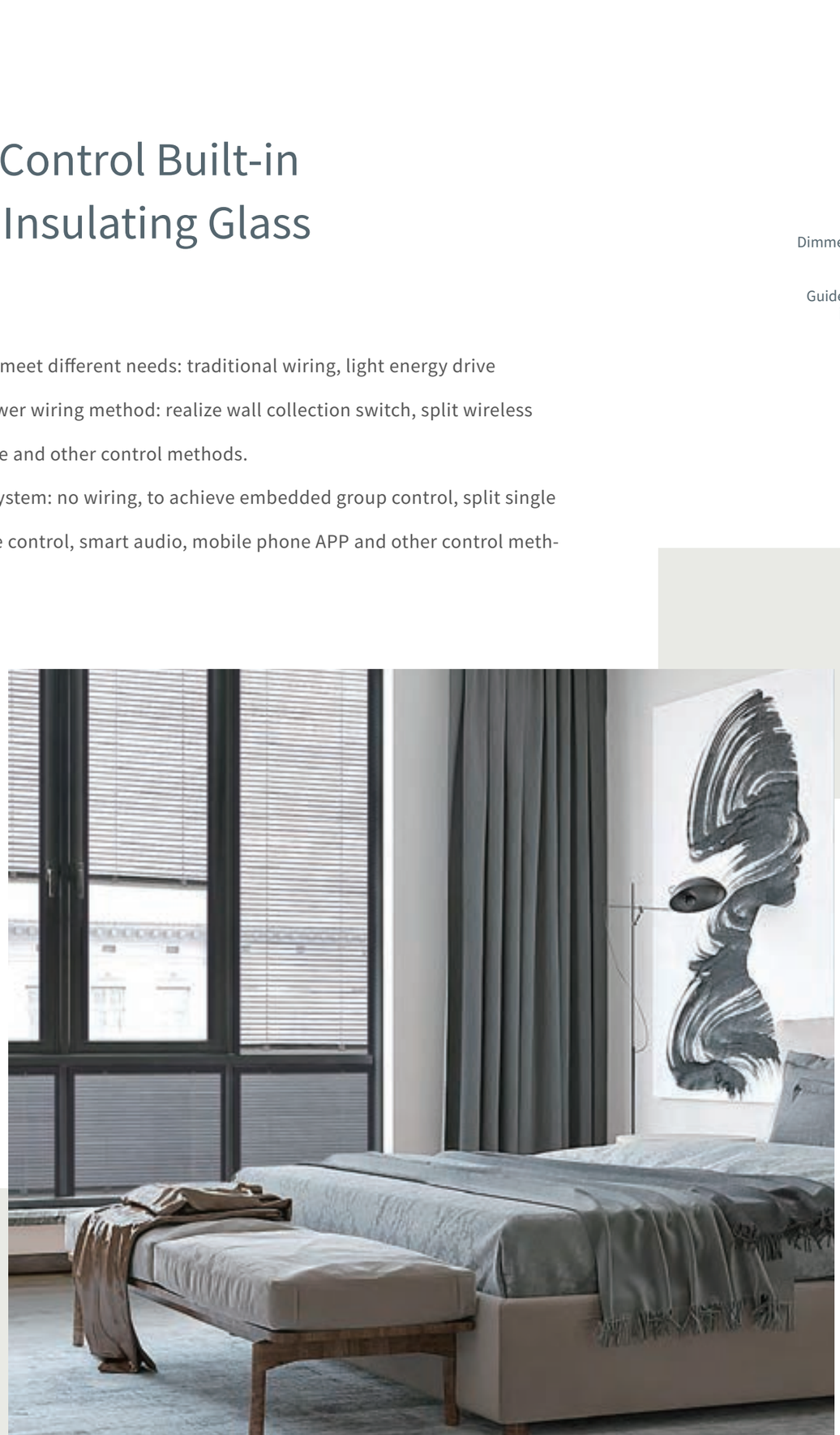
Insulating Glass Specification	Single Shutter Specifications				
	Maximum Area	Maximum		Minimum	
		Width	Height	Width	Height
5mm+21A+5mm	5.2m²	2200mm	3000mm	430mm	300mm

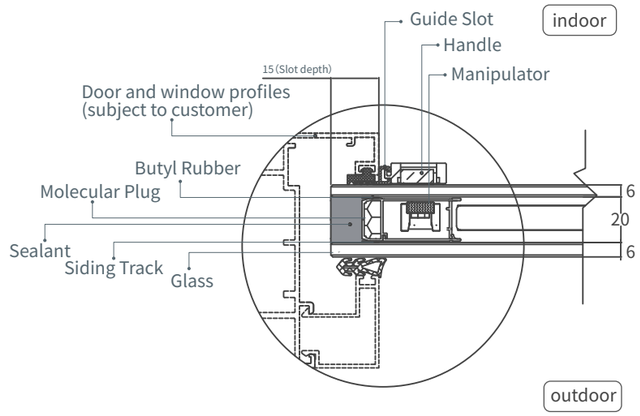
Magnetic Control Built-in Louvered Insulating Glass

- 27mm hollow layer
- Control methods to meet different needs: traditional wiring, light energy drive
- Traditional 220V power wiring method: realize wall collection switch, split wireless receiver, smart home and other control methods.
- Light energy drive system: no wiring, to achieve embedded group control, split single control, offline voice control, smart audio, mobile phone APP and other control methods.









Insulating Glass Specification			5mm+21A+5mm
Single Shutter Specifications	Maximum Area		6m²
	Maximum	Width	2800mm
		Height	3000mm
	Minimum	Width	430mm
		Height	300mm