



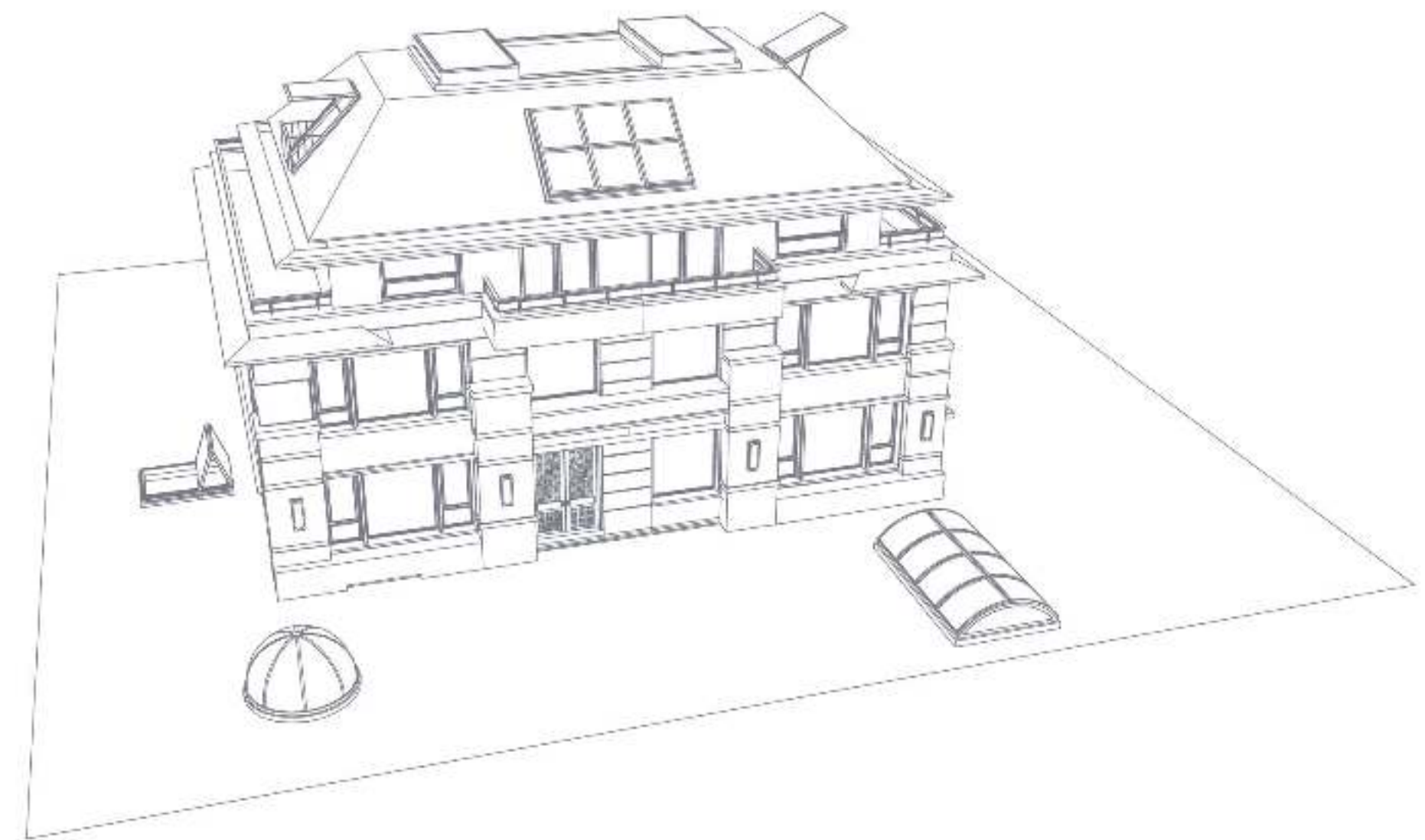
EC Building Supply is a professional building materials supplier based in Long Island, New York. Founded by a team with extensive experience in construction and engineering, our mission is to provide high-quality and reliable building materials and solutions for contractors, developers, and property management companies across the region.

Since our establishment, we have adhered to the principles of integrity, quality, and service excellence. By maintaining long-term partnerships with trusted manufacturers and suppliers, we ensure that every client receives dependable products at competitive prices.

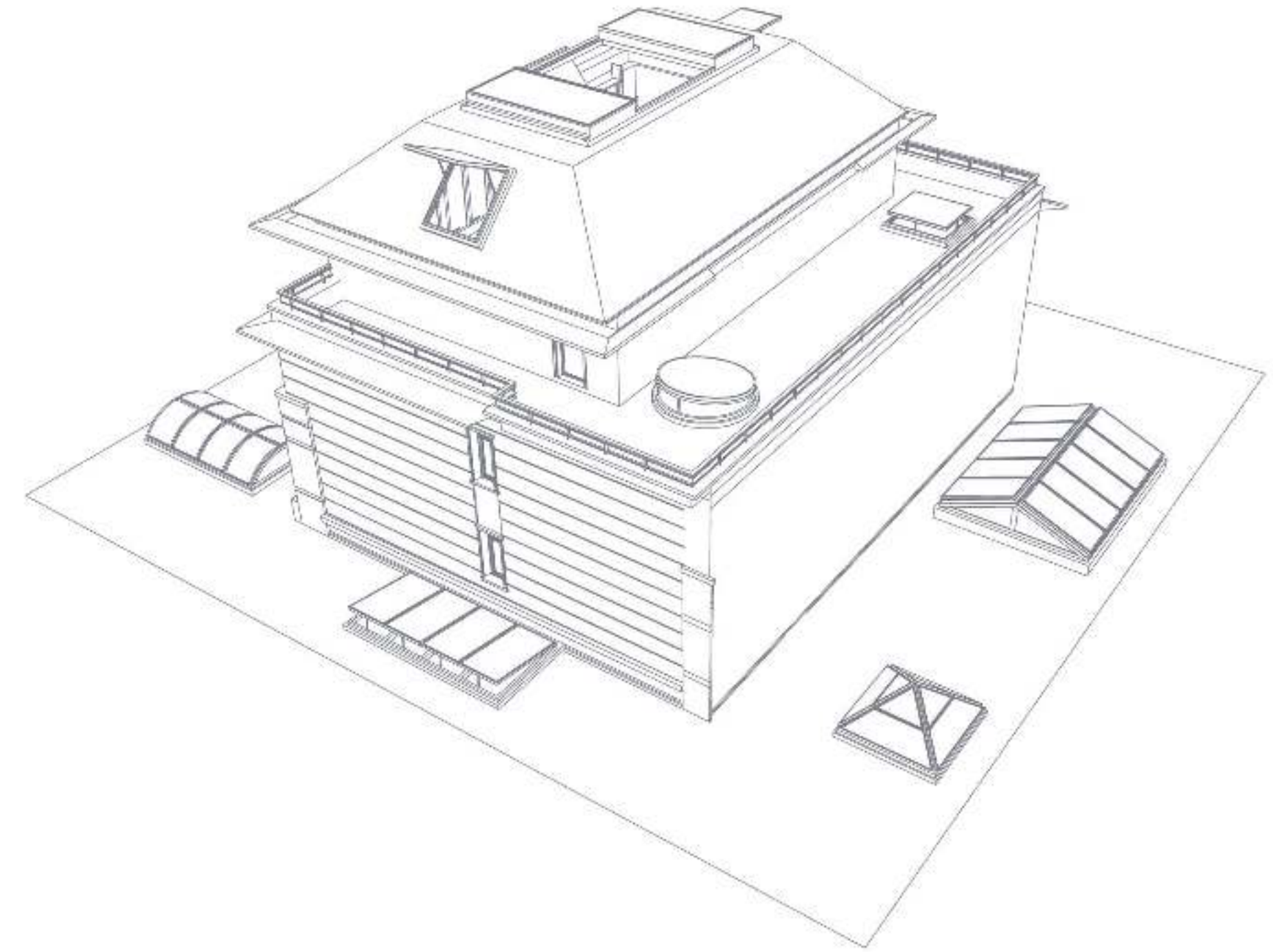
From residential and commercial projects to large-scale developments, EC Builder Supply is your trusted partner for all construction needs.

A faint, stylized illustration of a group of people of various ethnicities holding hands in a circle around a globe, symbolizing global unity and community.

WE ARE
DEDICATED
TO THE
ULTRA-CUSTOMIZATION
OF SKYLIGHTS
AT ALL TIMES.



“PIONEER” AND
ETERNAL “EXPLORER”
OF ELECTRIC
DAYLIGHTING
AND VENTILATION
SKYLIGHT



Please →

01

SINGLE PIECE

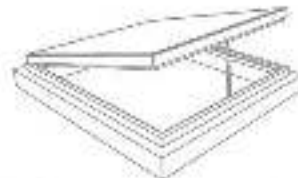
LIMIT VALUE OF RECTANGULAR SKYLIGHT

Max Length : 3200mm (less than 4m²)
Minimum Length : 380mm
Max width : 3600mm (less than 4m²)
Minimum width : 450mm

LIMIT VALUE OF CIRCULAR SHAPE SKYLIGHTS

Minimum diameter : 850mm
Maximum diameter : 3600mm

Thermal Break Aluminum Single Piece Skylight Data Sheet				
Control Methods (☐ select)	Standard Configuration		Optional Configuration	
	① Wireless remote control ② Rain sensor		☐ Tourbillon Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ smoke sensor	
Size Range	① Length: 380mm ~ 3200mm (Max. area ≤ 4 m ² ; standard version ≤ 2.5 m ²) ② Width: 380mm ~ 3200mm (Max. area ≤ 4 m ² ; standard version ≤ 2.5 m ²) ③ Circle Diameter: 850mm ~ 3600mm			
Profile Structure	Overlapping surface	Width	Basic frame & sash total height	Lift skylight + skylight opening over 70°
	Small: 30mm Large: 32mm	Small: 42mm Large: 62mm	Small: 162mm Large: 197mm	197mm + 162mm (162mm recessed into opening)
Physical Performance	With 6mm+12A warm edge (85% argon) +5mm+0.76PVB+5mm triple-silver LOW-E glass.Conforms to Chinese standards: ① Wind pressure resistance: Class 9 ② Air tightness: Class 8 ③ Water tightness: Class 6 ④ Heat transfer coefficient: Class 6 ⑤ Airborne sound insulation: Class 3			
Screen (☐ select)	☐ Fixed diamond mesh screen ☐ High-transparency diamond mesh ☐ Motorized Follow-Up Diamond Mesh Screen ☐ Motorized Follow-Up Accordion Screen ☐ Flexible Screen			
Frame Material	Thermal break aluminum alloy profile, minimum grade 6063-T6 high-strength aluminum			
Opening Style (☐ select)	☐ Top-hung opening with 300mm~1000mm stroke ☐ Top-hung opening, 85° ☐ Lift Opening			
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip			
Sunshade	Optional motorized full blackout privacy & heat-insulating fabric honeycomb blinds			
Power Supply	Suitable for 110V-220V			
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years			
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw			
Waterproof Aluminum Sheet (☐ select)	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding			
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket			
Thermal Insulation	XPE insulation filling + thermal break structure			
Skylight Load	≤ 70 Kg per square meter			
Glass Capacity	Max glass thickness ≤ 55mm, glass configuration adjustable on request.			
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame			



Top-hung opening skylight



Special-shaped opening skylight



Round opening skylight

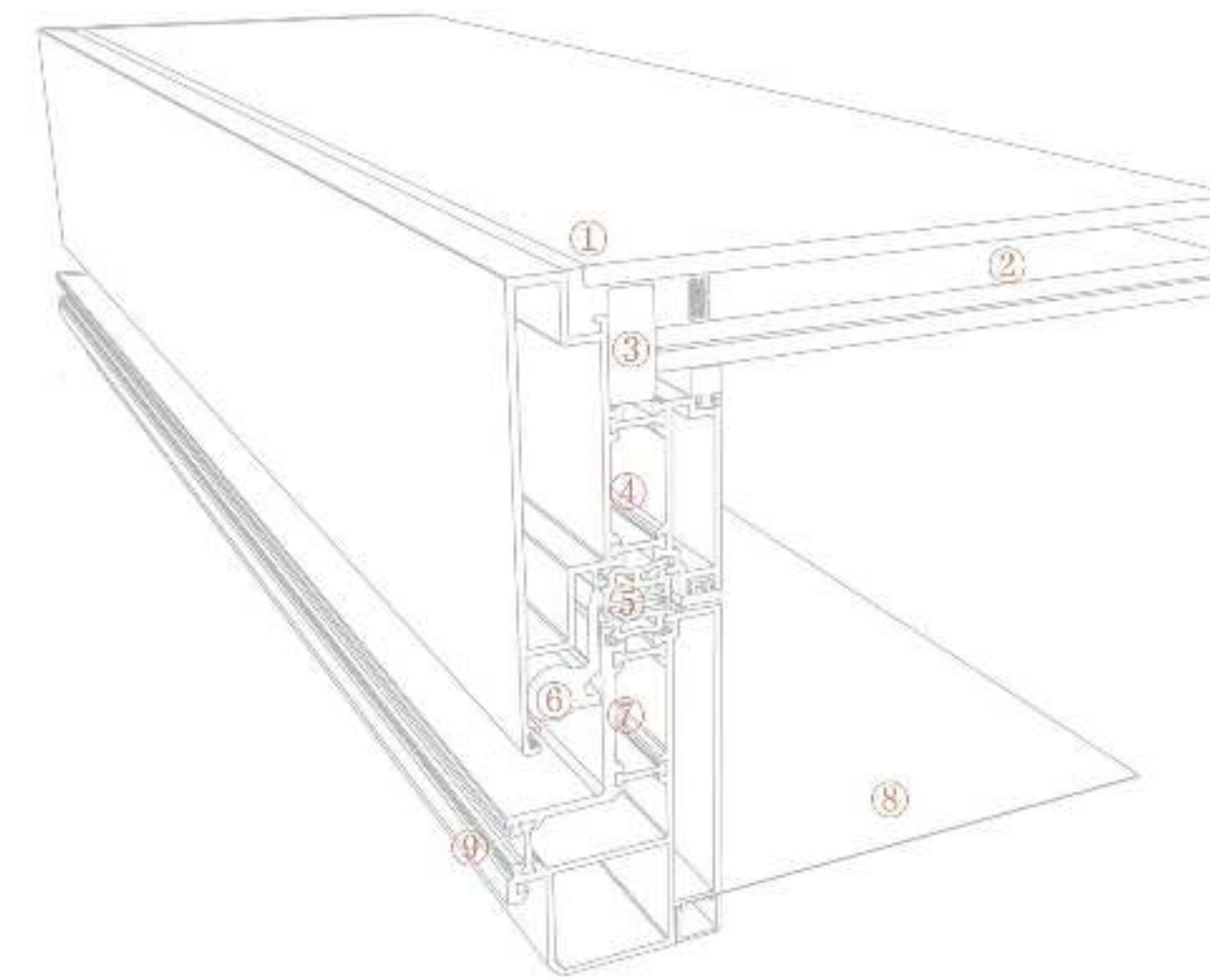


Skylight opening over 70°



Lift opening skylight

DETAIL DRAWING- SECTION



Height: 137mm
Width: 62mm
Glass Space: Less than 55mm
Contact Surface Width: 32mm

- ① Structure Silicone
- ② Safety Glass
- ③ Insulation
- ④/⑦/⑧ Thermal Break
- ⑤ Gasket
- ⑥ Concealed Hinge
- ⑨ Mover



LIMIT VALUE OF SINGLE SASH

Max.Length: 3200mm (less than 4m²)
Minimum.Length: 380mm
Max.width: 3600mm (less than 4m²)
Minimum.width: 450mm

LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR

Minimum.diameter: 850mm
Maximum.diameter: 3600mm

SINGLE-PIECE





SINGLE-PIECE



LIMIT VALUE OF SINGLE SASH

Max Length : 3200mm (less than 4m²)
Minimum Length : 380mm
Max width : 3600mm (less than 4m²)
Minimum width : 450mm

LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR

Minimum diameter : 850mm
Maximum diameter : 3500mm



SINGLE-PIECE



LIMIT VALUE OF SINGLE SASH

Max Length: 3200mm (less than 4m)
Minimum Length: 380mm
Max width: 3600mm (less than 4m)
Minimum width: 450mm

LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR

Minimum diameter: 850mm
Maximum diameter: 3600mm

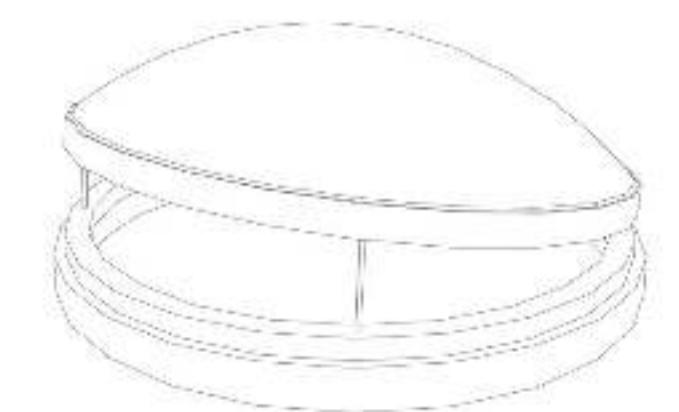
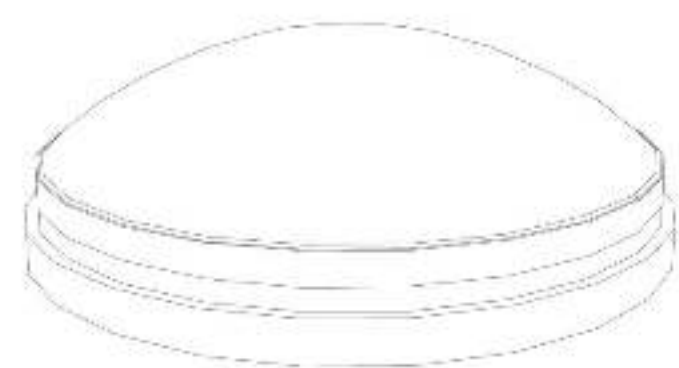
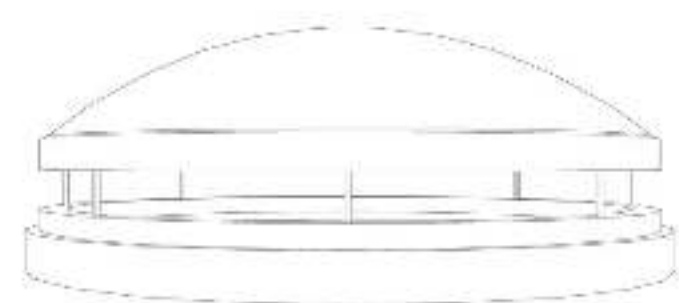
SINGLE-PIECE



LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR

Minimum diameter : 850mm
Maximum diameter : 3600mm





LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR
Minimum diameter : 850mm
Maximum diameter : 950mm



SINGLE-PIECE



**LIMIT VALUE OF
CIRCULAR NON-CONCEALED MOTOR**
Minimum diameter : 850mm
Maximum diameter : 3000mm



SINGLE-PIECE



LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR
Minimum diameter : 850mm
Maximum diameter : 3600mm

SINGLE-PIECE



LIMIT VALUE OF
CIRCULAR NON-CONCEALED MOTOR
Minimum diameter: 1000mm
Maximum diameter: 1500mm



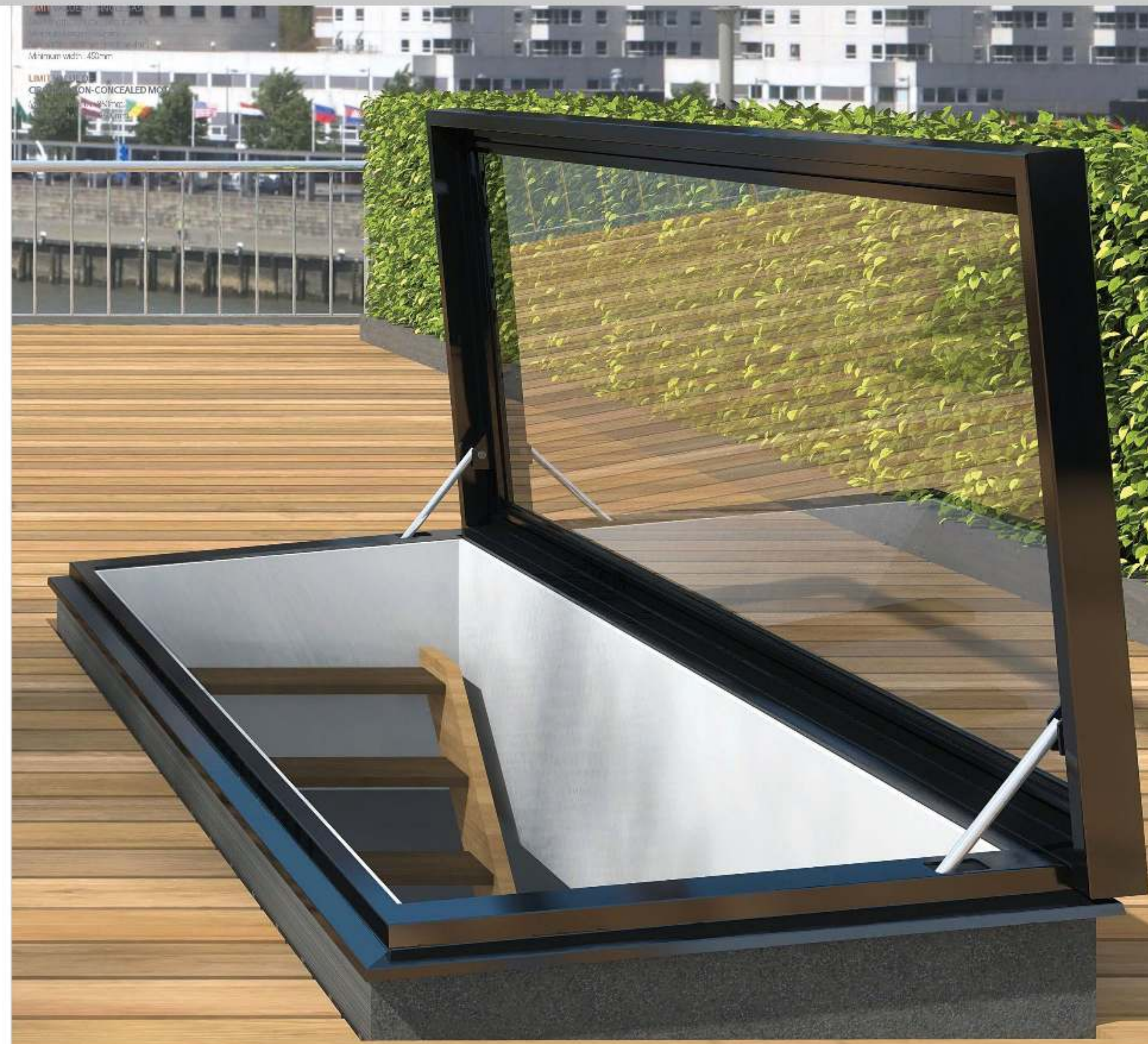
SINGLE-PIECE

LIMIT VALUE OF SINGLE SASH

Max Length : 3200mm (less than 4m)
 Minimum Length : 380mm
 Max width : 3600mm (less than 4m)
 Minimum width : 450mm

LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR

Minimum diameter : 850mm
 Maximum diameter : 3600mm



SINGLE-PIECE



LIMIT VALUE OF SINGLE SASH
 Max Length: 3200mm (less than 4m²)
 Minimum Length: 380mm
 Max width: 3600mm (less than 4m²)
 Minimum width: 450mm

LIMIT VALUE OF CIRCULAR NON-CONCEALED MOTOR
 Minimum diameter: 850mm
 Maximum diameter: 3600mm

MODULAR COMBINATION

Please →

02

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LIMIT VALUE

Max Length: 3200mm (less than 4m2)
Minimum Length: 380mm
Max width: 3600mm (less than 3.5m2)
Minimum width: 450mm
Module quantity: unlimited

Thermal Break Aluminum Modular Combination Skylight Data Sheet

	Standard Configuration	Optional Configuration				
Control Methods (☐ select)	☐ Wireless remote control ☐ Rain sensor ☐ Touchless Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ smoke sensor					
Single module Size Range	☐ Length: 390mm – 3200mm (Max. area ≤ 4 m ² ; standard version ≤ 2.5 m ²) ☐ Width: 390mm – 3200mm (Max. area ≤ 4 m ² ; standard version ≤ 2.5 m ²) ☐ Circle Diameter: 850mm – 3600mm					
Profile Structure	Overlapping surface	Width	frame & sash total height	Lift skylight	Standard Spliced Mullion Width	
	32mm	62mm	197mm	197mm+162mm recessed into opening	large: 124mm	small: 66mm
Physical Performance	With 6mm+12A warm edge (85% argon) +5mm+0.76PVB+5mm triple-silver LOW-E glass Conforms to Chinese standards. ☐ Wind pressure resistance: Class 9 ☐ Air tightness: Class 8 ☐ Water tightness: Class 4 ☐ Heat transfer coefficient: Class 6 ☐ Airborne sound insulation: Class 3					
Screen (☐ select)	☐ Fixed diamond mesh screen ☐ High-transparency diamond mesh ☐ Motorized Follow-Up Diamond Mesh Screen ☐ Motorized Follow-Up Accordion Screen ☐ Flexible Screen					
Frame Material	Thermal break aluminum alloy profile, minimum grade 6063-T6 high-strength aluminum					
Opening Style (☐ select)	☐ Top-hung opening with 300mm–1000mm stroke ☐ Top-hung opening, 85° ☐ Lift Opening					
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip					
Sunshade	Optional motorized full blackout privacy & heat-insulating fabric honeycomb blind					
Power Supply	Suitable for 110V–220V					
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years					
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw					
Waterproof Aluminum Sheet (☐ select)	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding					
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket					
Thermal Insulation	XPS insulation filling + thermal break structure					
Skylight Load	≤ 70 Kg per square meter					
Glass Capacity	Max. glass thickness ≤ 55mm; glass configuration adjustable on request					
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame					

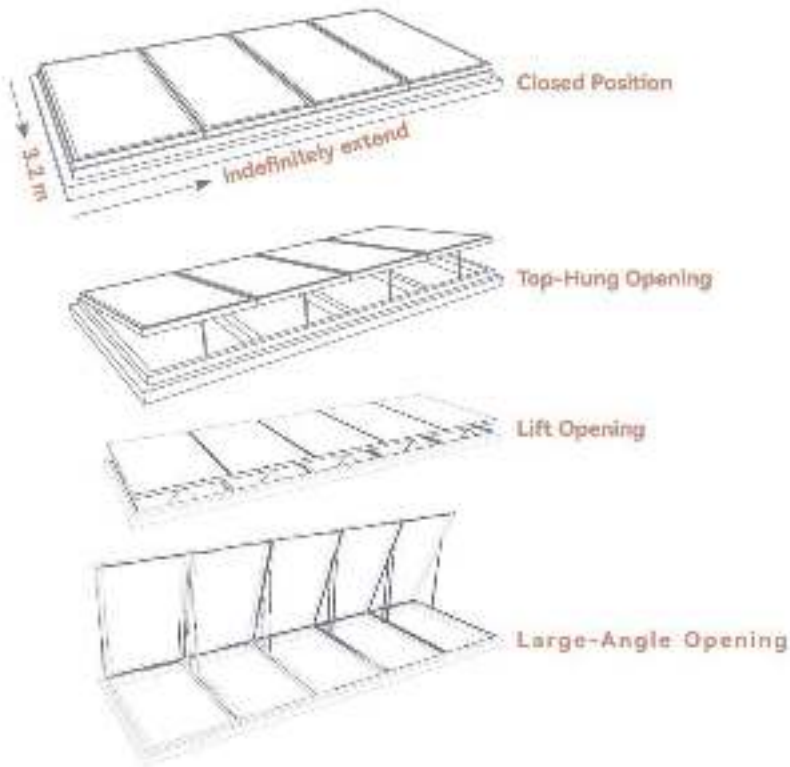
Closed Position

Indefinitely extend

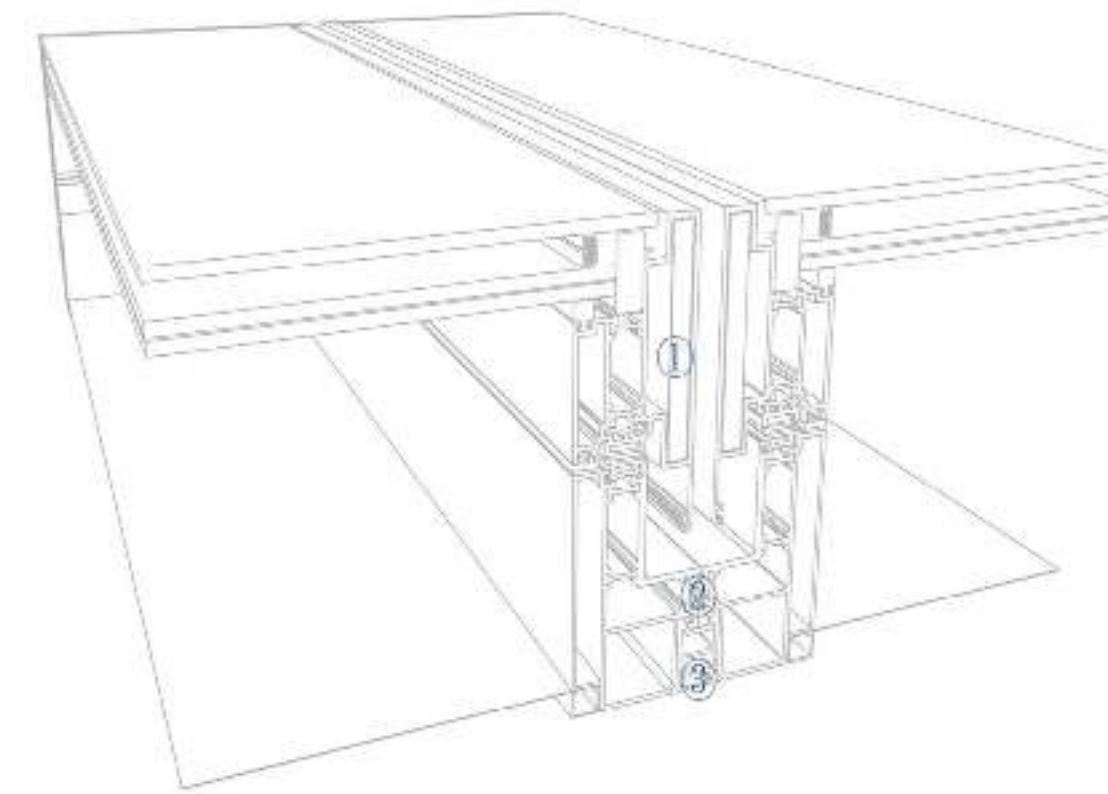
Top-Hung Opening

Lift Opening

Large-Angle Opening



DETAIL DRAWING- SECTION



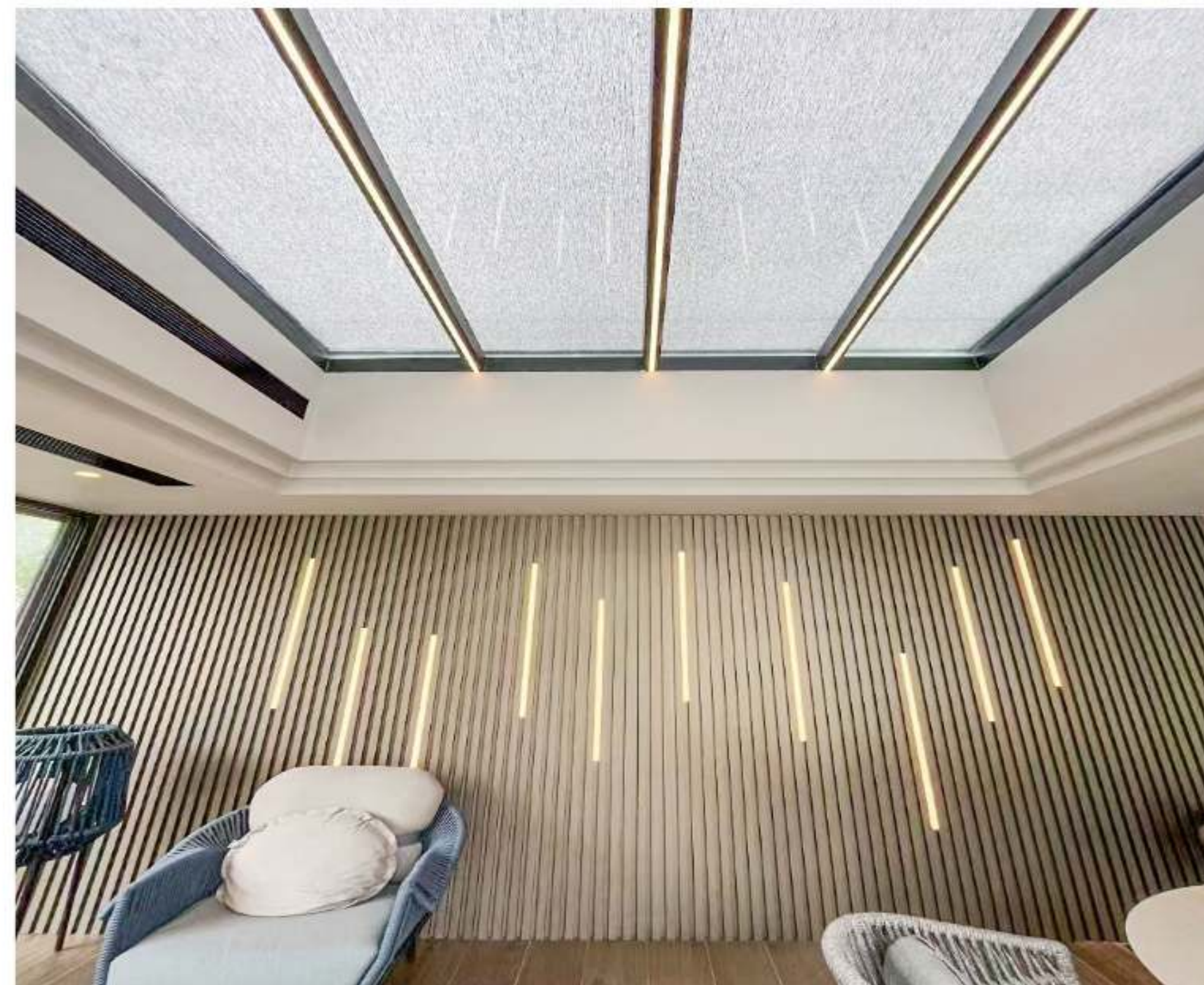
LIMIT VALUE OF Modular Combination

Height: 197mm / Width: 62mm
Glass Space: Less Than 55mm
Mullion Width Of The Large Module: 124mm
Mullion Width Of The Small Module: 85mm

- ① Sash Strength Member
- ② Mullion Joint
- ③ Lighting Strip



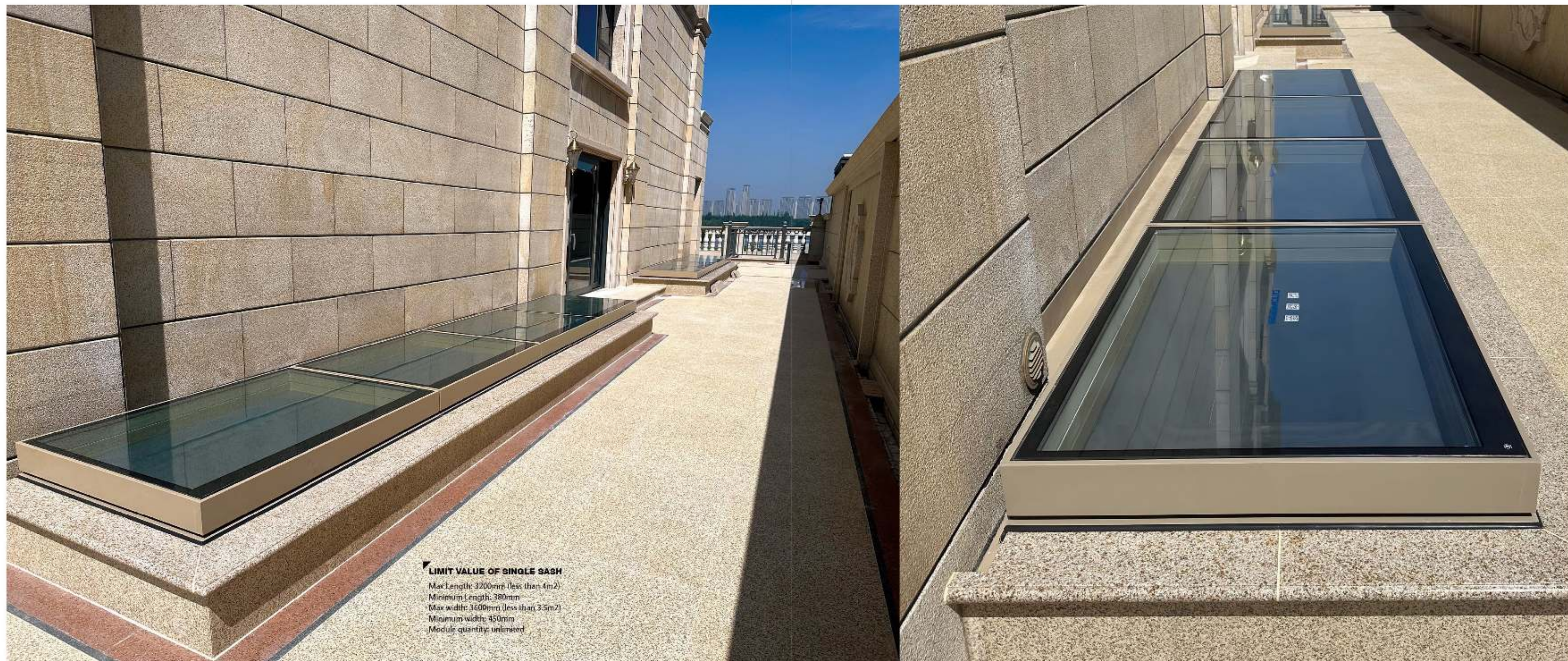
MODULAR COMBINATION



LIMIT VALUE OF SINGLE SASH

Max Length: 3200mm (less than 4m²)
 Minimum Length: 380mm
 Max width: 3600mm (less than 3.5m²)
 Minimum width: 450mm
 Module quantity: unlimited

MODULAR COMBINATION



LARGE SIZE SKYLIGHT

03

Please →

LIMIT VALUE OF SINGLE SASH
Max Length: 18m
Max width: 3.3m

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Large-Sized Skylight Data

	Standard Configuration	Optional Configuration		
Control Methods (□ select)	① Wireless remote control ② Rain sensor □ Tourbillon Remote Control □ APP control □ Voice Control □ gas sensor □ Wind Sensor □ smoke sensor			
Size Range	① Length: ≤ 18000 mm ② Width: ≤ 3300 mm (Max Area: ≤ 60 m²)			
Profile Structure	Overlapping surface	Width	frame & sash total height	Lift skylight
	32mm	62mm	197mm	197mm+162mm/(162mm recessed into opening)
Physical Performance	With 6mm+12A warm edge (85% argon) +5mm+0.76PVB+5mm triple-silver LOW-E glass.Conforms to Chinese standards: ① Wind pressure resistance: Class 9 ② Air tightness: Class 8 ③ Water tightness: Class 6 ④ Heat transfer coefficient: Class 8 ⑤ Airborne sound insulation: Class 3			
Screen (□ select)	□ Fixed diamond mesh screen □ High-transparency diamond mesh □ Motorized Follow-up Diamond Mesh Screen			
Frame Material	Thermal break aluminum alloy profile, minimum grade 6063-T6 high-strength aluminum			
Opening Style (□ select)	□ Top-hung opening with 305mm~1000mm stroke □ Lift Opening			
Lighting (□ select)	□ 6000K Circular LED Light Strip □ 4000K circular LED light strip			
Sunshade	Optional Motorized Blackout Privacy & Thermal Insulated Curtain			
Power Supply	Suitable for 110V~220V			
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years			
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw			
Waterproof Aluminum Sheet (□ select)	□ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding			
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket			
Thermal Insulation	XPE insulation filling + thermal break structure			
Skylight Load	≤ 100 Kg per square meter			
Glass Capacity	Max. glass thickness ≤ 55mm; glass configuration adjustable on request			
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame			

Closed Position

Top-Hung Opening

Lift Opening

LARGE SIZE SKYLIGHT



LIMIT VALUE OF SINGLE SASH
Max Length : 18m
Max width : 3.3m

LARGE SIZE SKYLIGHT



LIMIT VALUE OF SINGLE SASH
Max Length : 18m
Max width : 3.3m

FLUSH WITH THE FLOOR

04

Please →

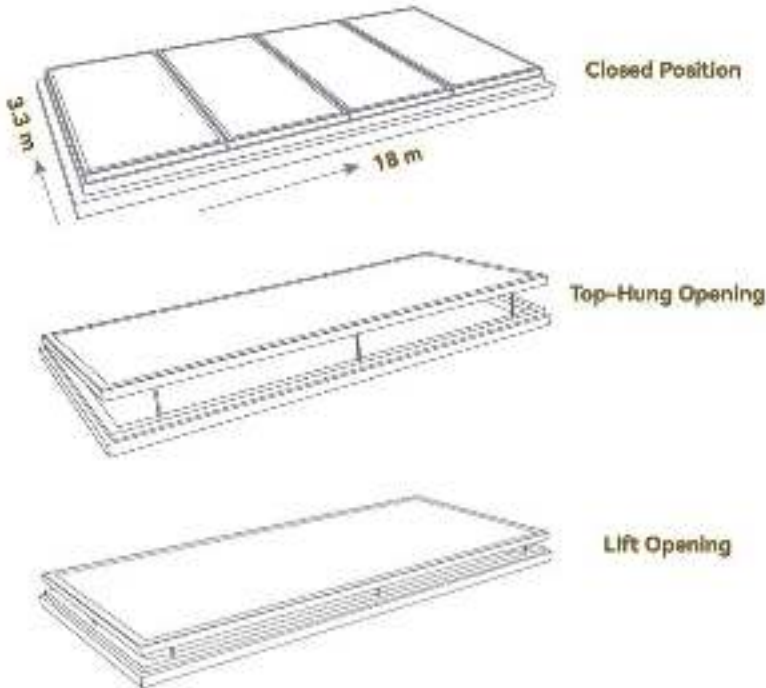
LIMIT VALUE OF SINGLE SASH

Max Length : 18m

Max width : 3.3m

»

Flush-with -Floor Skylight Data			
Control Methods (☐ select)	Standard Configuration		Optional Configuration
	① Wireless remote control ② Rain sensor		☐ Tourbillon Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor
Size Range	① Length: ≤ 18000 mm ② Width: ≤ 3300 mm (Max Area: ≤ 60 m ²) ③ Modular combination available; dimensional range complies with Modular Combination skylight standards.		
Profile Structure	Overlapping surface	Width	frame & sash total height
	32mm	62mm	359mm(162mm recessed into opening)
Physical Performance	With 6mm+12A warm edge (85% argon) +5mm+0.76PVB+5mm triple-silver LOW-E glass.Conforms to Chinese standards ① Wind pressure resistance: Class 9 ② Air tightness: Class 8 ③ Water tightness: Class 8 ④ Heat transfer coefficient: Class 8 ⑤ Airborne sound insulation: Class 3		
Screen (☐ select)	☐ Fixed diamond mesh screen ☐ High-transparency diamond mesh ☐ Motorized Follow-Up Diamond Mesh Screen		
Frame Material	Thermal break aluminum alloy profile, minimum grade 6063-T6 high-strength aluminum		
Opening Style (☐ select)	☐ Top-hung opening with 300mm-1000mm stroke ☐ 70° top-hung opening ☐ Lift Opening		
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip		
Sunshade	Optional Motorized Blackout Privacy & Thermal Insulated Curtain		
Power Supply	Suitable for 110V-220V		
Surface Coating	Australia Tiger outdoor 15-year metallic powder coating, color stability for 15 years		
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw		
Waterproof Aluminum Sheet (☐ select)	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding		
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket		
Thermal Insulation	XPE insulation filling + thermal break structure		
Skylight Load	≤ 100 Kg per square meter		
Glass Capacity	Max. glass thickness ≤ 55mm; glass configuration adjustable on request		
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame		



FLUSH WITH THE FLOOR



LIMIT VALUE
Max Length: 18m
Max width: 3.3m

FLUSH WITH THE FLOOR



LIMIT VALUE
Max Length: 18m
Max width: 3.3m

LARGE-ANGLE BI-FOLD
SKYLIGHT

05

Please

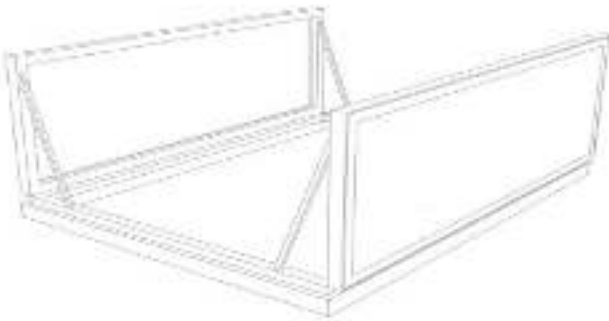
LIMIT VALUE OF SINGLE SASH

Max Length : 6m
Max width : 4m

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Large-angle Bi-fold Skylight Data

	Standard Configuration	Optional Configuration
Control Methods (☐ select)	☒ Wireless remote control ☒ Rain sensor ☐ Touchless Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor	
Size Range	☒ Length ≤ 6000mm ☒ Width ≤ 4000mm (Max Area ≤ 24 m ²) ☒ modular combination available; dimensional range complies with Modular Combination skylight standards	
Profile Structure	Overlapping surface 32mm	Width 62mm frame & sash total height 369mm(162mm recessed into opening)
Physical Performance	With 6mm+12A warm edge (85% argon) +5mm+0.76PVB+5mm triple-silver LOW-E glass;Conforms to Chinese standards: ☒ Wind pressure resistance: Class 9 ☒ Air tightness: Class 8 ☒ Water tightness: Class 6 ☒ Heat transfer coefficient: Class 8 ☒ Airborne sound insulation: Class 3	
Screen (☐ select)	☐ Fixed diamond mesh screen ☐ High-transparency diamond mesh ☐ Motorized Follow-Up Diamond Mesh Screen	
Frame Material	Thermal break aluminum alloy profile, minimum grade 6063-T6 high-strength aluminum	
Opening Style (☐ select)	☐ 85°~90° top-hung Opening	
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip	
Sunshade	Optional Motorized Blackout Privacy & Thermal Insulated Curtain	
Power Supply	Suitable for 110V~220V	
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years	
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw	
Waterproof Aluminum Sheet (☐ select)	☐ Aluminum Alloy Profile, thickness: 2.0 mm, finished corners with laser welding	
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket	
Thermal Insulation	XPE insulation filling + thermal break structure	
Skylight Load	≤ 100 Kg per square meter	
Glass Capacity	Max. glass thickness ≤ 55mm; glass configuration adjustable on request	
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame	







LARGE-ANGLE BI-FOLD SKYLIGHT

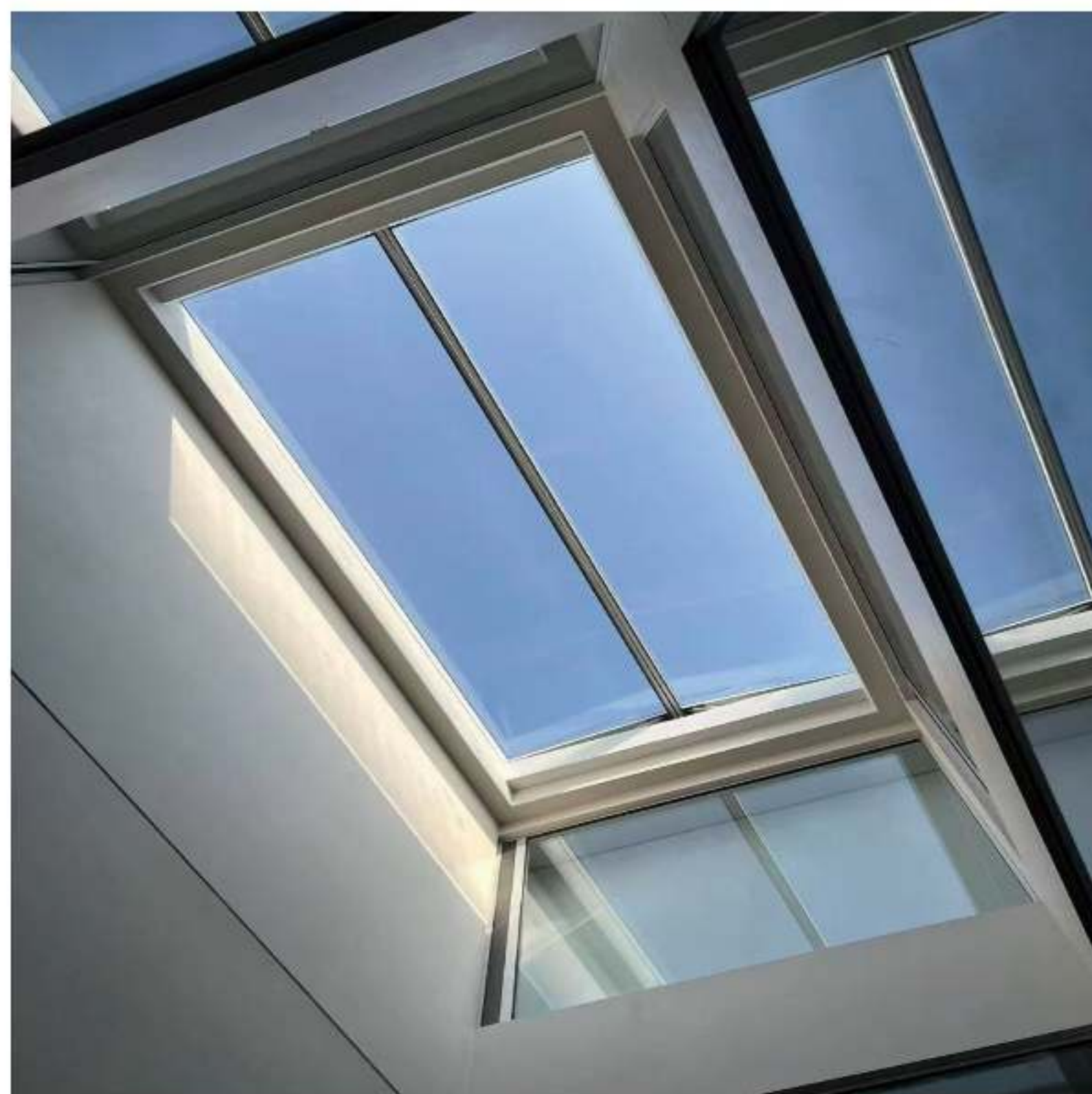
LIMIT VALUE
Max Length: 6m
Max width: 4m





LARGE-ANGLE BIFOLD SKYLIGHT

LIMIT VALUE
Max Length: 6m
Max width: 4m



06

Max Length : 6m
Max width : 4m



Diamond-shaped Skylight Data				
Control Methods (☐ select)	Standard Configuration		Optional Configuration	
	① Wireless remote control ② Rain sensor ☐ Tourbillon Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor			
Size Range	① Length ≤ 6000mm ② Width ≤ 4050mm (Max Area ≤ 24 m ²)			
Profile Structure	Overlapping surface	Width	frame & sash total height	frame & sash total height
	32mm	62mm	197mm	197mm+162mm, (162mm recessed into opening)
Physical Performance	With 6mm+12A warm edge (80% argon) +5mm+0.76PVB+5mm triple-silver LCV-E glass.Conforms to Chinese standards ① Wind pressure resistance: Class 9 ② Air tightness: Class 8 ③ Water tightness: Class 6 ④ Heat transfer coefficient: Class 8 ⑤ Airborne sound insulation: Class 3			
Screen (☐ select)	☐ Fixed diamond mesh screen ☐ High-transparency diamond mesh ☐ Motorized Follow-Up Diamond Mesh Screen			
Frame Material	Thermal break aluminum alloy profile - minimum grade 6063-T6 high-strength aluminum			
Opening Style (☐ select)	☐ Top-hung opening: 300mm-500mm ☐ Lift-up opening			
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip			
Sunshade	Optional Motorized Blackout Privacy & Thermal Insulated Curtain			
Power Supply	Suitable for 110V-220V			
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years			
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw			
Waterproof Aluminum Sheet (☐ select)	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding			
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket			
Thermal Insulation	XPE insulation filling + thermal break structure			
Skylight Load	≤ 100 Kg per square meter			
Glass Capacity	Max. glass thickness ≤ 55mm; glass configuration adjustable on request			
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame			



LIMIT VALUE
Max length: 6m
Max width: 4m

DIAMOND-SHAPED

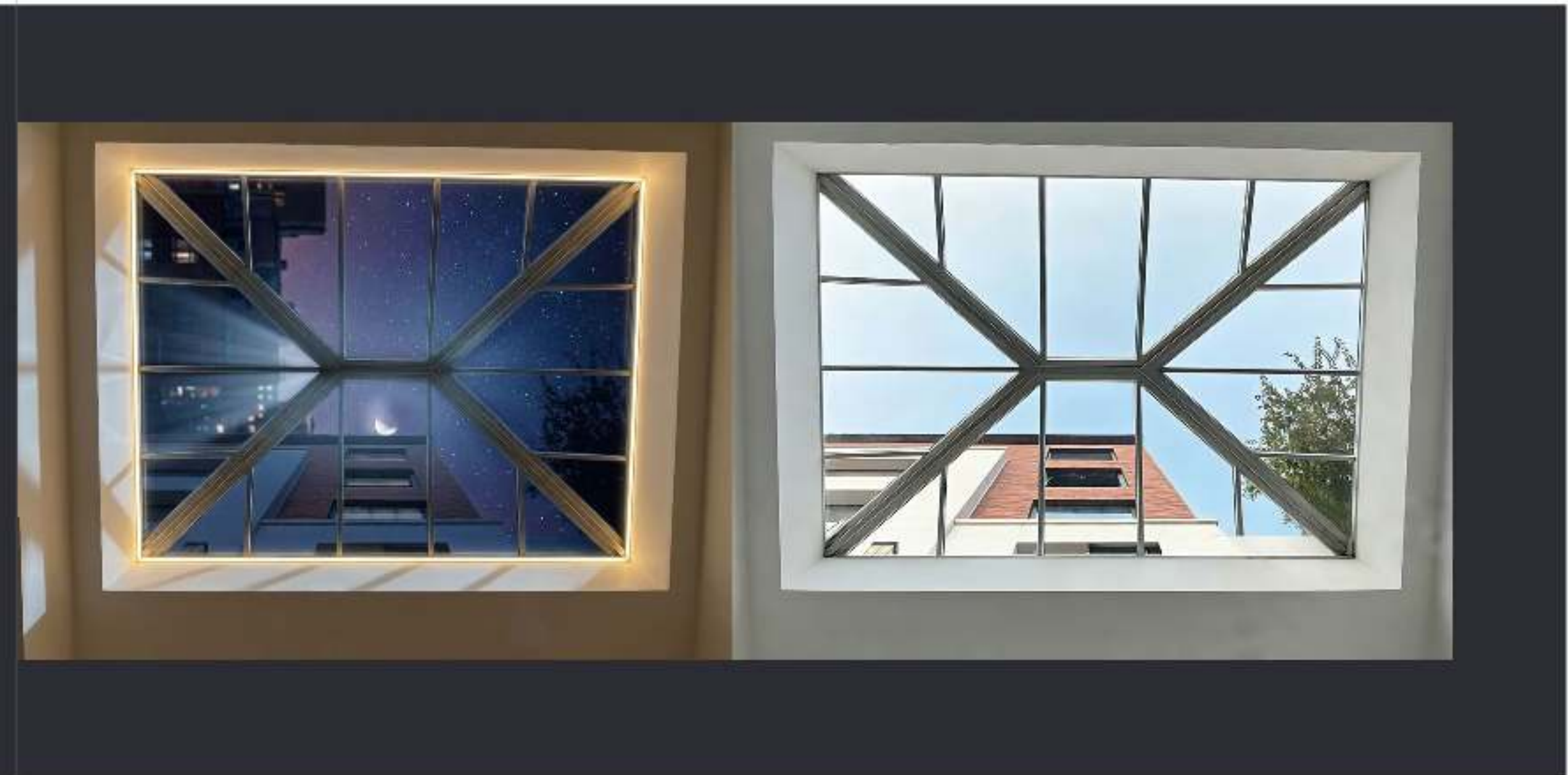


LIMIT VALUE
Max Length: 6m
Max width: 4m



DIAMOND-SHAPED

DIAMOND-SHAPED



LIMIT VALUE
Max Length: 6m
Max width: 4m

PANORAMIC

07

Please →

LIMIT VALUE
Max Length of the Rough Opening : 18m
Max width of the Rough Opening : 3.6m

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Panoramic Skylight Data				
Control Methods (☐ select)	Standard Configuration		Optional Configuration	
	① Wireless remote control ② Rain sensor		☐ Tourbillon Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor	
Size Range	① Length ≤ 18000mm ② Width ≤ 3600mm (Max Area ≤ 65 m²)			
Profile Structure	Overlapping surface	Width	frame & sash total height	Lift skylight
	32mm	62mm	197mm	197mm+162mm,(162mm recessed into opening)
Physical Performance	With 6mm+12A warm edge (80% argon) +5mm+0.76PVB+5mm triple-silver LOW-E glass,Conforms to Chinese standards ① Wind pressure resistance: Class 9 ② Air tightness: Class 8 ③ Water tightness: Class 6 ④ Heat transfer coefficient: Class 6 ⑤ Airborne sound insulation: Class 3			
Screen (☐ select)	☐ Fixed diamond mesh screen ☐ High-transparency diamond mesh ☐ Motorized Follow-Up Diamond Mesh Screen			
Frame Material	Thermal break aluminum alloy profile, minimum grade 6063-T6 high-strength aluminum			
Opening Style (☐ select)	☐ Top-hung opening: 300mm-500mm ☐ Lift-up opening			
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip			
Sunshade	Optional Motorized Blackout Privacy & Thermal Insulated Curtain			
Power Supply	Suitable for 110V-220V			
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years			
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw			
Waterproof Aluminum Sheet (☐ select)	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding			
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket			
Thermal Insulation	XPE insulation filling + thermal break structure			
Skylight Load	≤ 100 Kg per square meter			
Glass Capacity	Max. glass thickness ≤ 55mm; glass configuration adjustable on request			
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame			

PANORAMIC



LIMIT VALUE

Max Length of the Rough Opening: 18m
Max width of the Rough Opening: 3.6m

PANORAMIC



LIMIT VALUE

Max Length of the Rough Opening: 18m
Max width of the Rough Opening: 3.6m

PANORAMIC

ALUMINUM-CLAD WOOD
SINGLE-PIECE

08

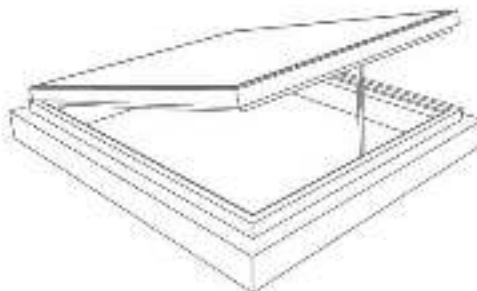
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Max Length : 2500mm (less than 2.8m²)
Minimum Length : 500mm
Max width : 3500mm (less than 2.8m²)
Minimum width : 450mm

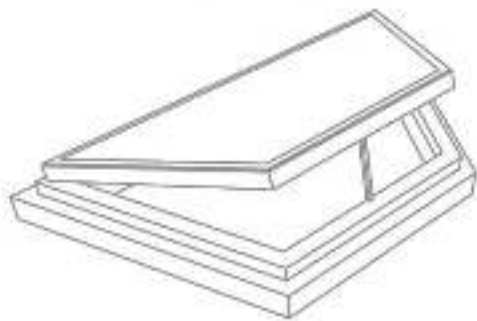
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Aluminum-clad wood single-piece Skylight

	Standard Configuration	Optional Configuration	
Control Methods (☐ select)	☒ Wireless remote control ☒ Rain sensor ☐ Touchless Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor		
Size Range	Length from 500mm to 2500mm (Max Area ≤4.28 m²)		
Profile Structure	Overlapping surface	Width	frame & sash total height
	22mm	60mm	205mm
Physical Performance	With 6mm+12A warm edge (85% argon) +5mm+0.76/16+5mm triple-silver LOW-E glass.Conforms to Chinese standards: ① Wind pressure resistance: Class 9 ② Air tightness: Class 6 ③ Water tightness: Class 6 ④ Heat transfer coefficient: Class 6 ⑤ Airborne sound insulation: Class 3		
Screen	Flexible Screen		
Frame Material (☐ select)	☐ American Red Oak & Aluminum Profile Composites ☐ Larch Wood & Aluminum Alloy Profile Composite		
Opening Style	Top-hung opening: 300mm-500mm		
Lighting	No Lighting		
Sunshade	Optional motorized blackout privacy thermal honeycomb fabric blind		
Power Supply	Suitable for 110V-220V		
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years		
Hardware	Concealed hinges, concealed hardware, concealed motor, concealed screw		
Waterproof	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding		
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket		
Thermal Insulation	Timber Structure Insulation		
Skylight Load	≤ 70 Kg per square meter		
Glass Capacity	Max glass thickness ≤ 40mm; glass configuration adjustable on request		
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame		

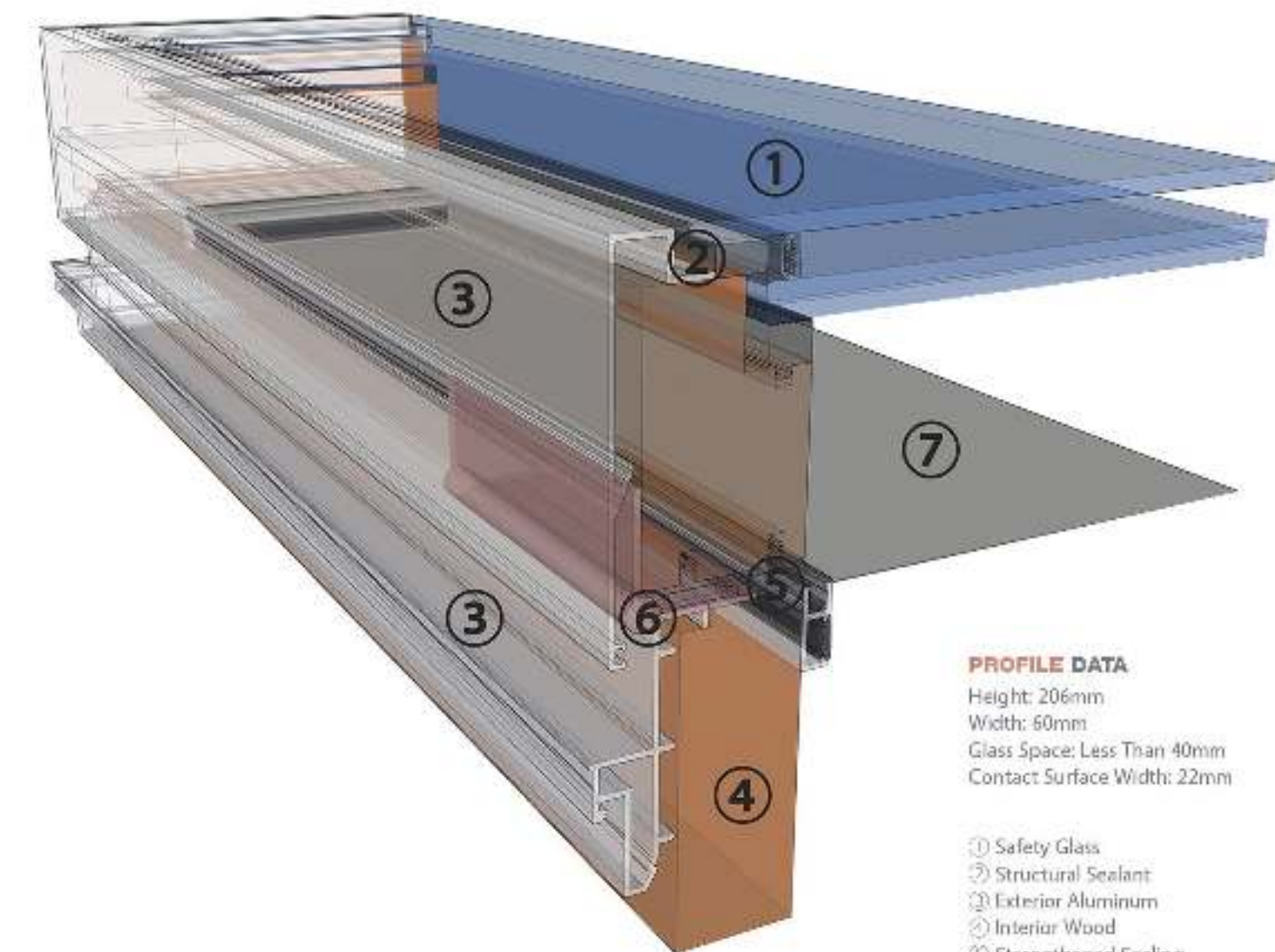


Top-hung Opening Skylight



Various Special-shaped Opening Types

PROFILE DATA DMM



PROFILE DATA
Height: 206mm
Width: 60mm
Glass Space: Less Than 40mm
Contact Surface Width: 22mm

- ① Safety Glass
- ② Structural Sealant
- ③ Exterior Aluminum
- ④ Interior Wood
- ⑤ Strengthened Sealing
- ⑥ Concealed Hinge
- ⑦ Mesh



LIMIT VALUE
Max Length : 2500mm (less than 2.8m2)
Minimum Length : 500mm
Max width : 3500mm (less than 2.8m2)
Minimum width : 450mm

ALUMINUM-CLAD WOOD SINGLE-PIECE



ALUMINUM-CLAD WOOD SINGLE-PIECE



LIMIT VALUE

Max Length : 2500mm (less than 2.8m²)
Minimum Length : 500mm
Max width : 3500mm (less than 2.8m²)
Minimum width : 450mm

MODULAR COMBINATION

09

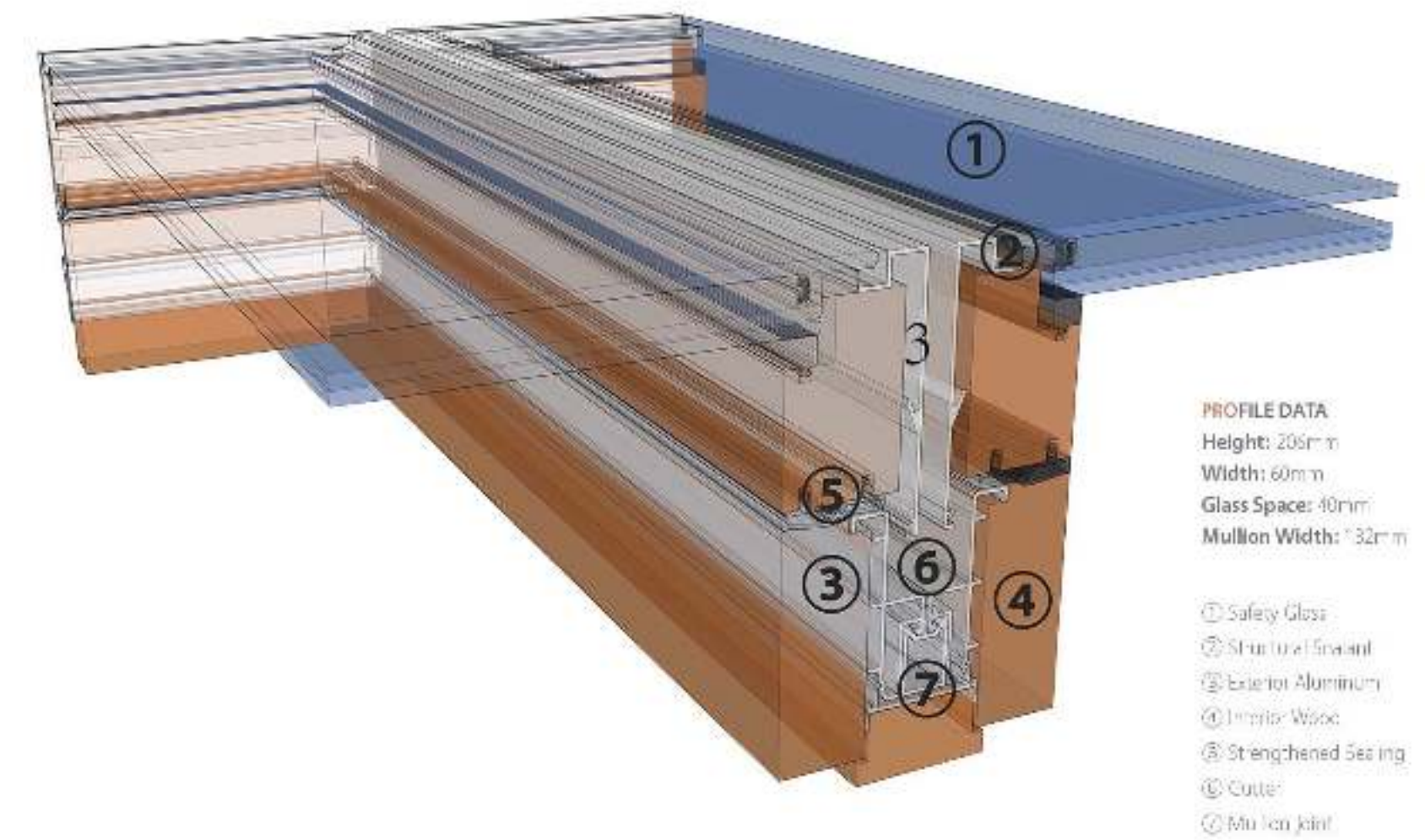
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LIMIT VALUE
Max Length: 2500mm (less than 2.8m²)
Minimum Length: 500mm
Max width: 3500mm (less than 2.8m²)
Minimum width: 450mm
Module quantity: unlimited

>>



SPLICED MULLION PROFILE DATA



MODULAR COMBINATION

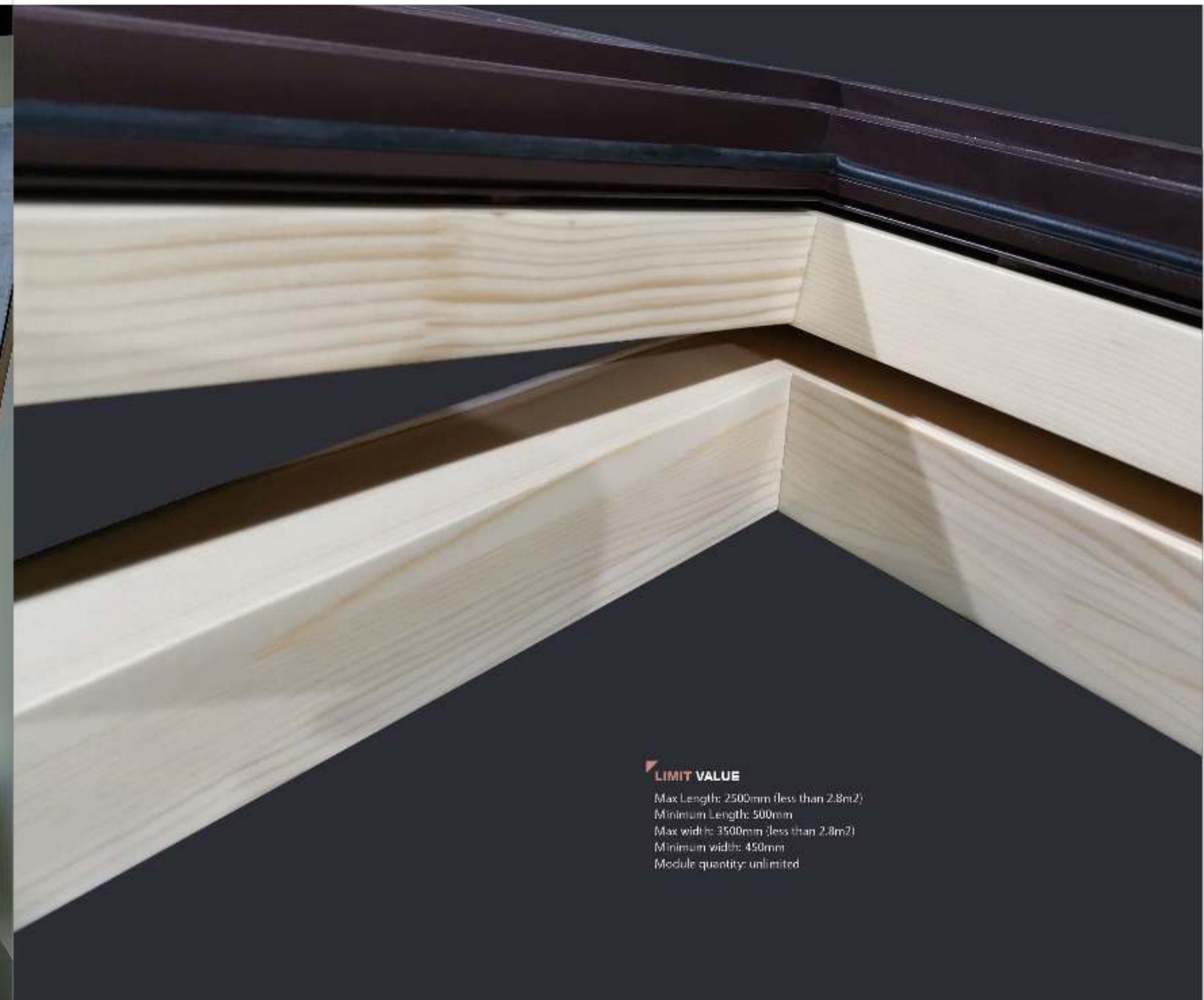


LIMIT VALUE

Max Length: 2500mm (less than 2.8m²)
Minimum Length: 500mm
Max width: 3500mm (less than 2.8m²)
Minimum width: 450mm
Module quantity: unlimited



MODULAR COMBINATION



LIMIT VALUE

Max Length: 2500mm (less than 2.8m²)
Minimum Length: 500mm
Max width: 3500mm (less than 2.8m²)
Minimum width: 450mm
Module quantity: unlimited

MEDIUM & LARGE SLIDING SKYLIGHT

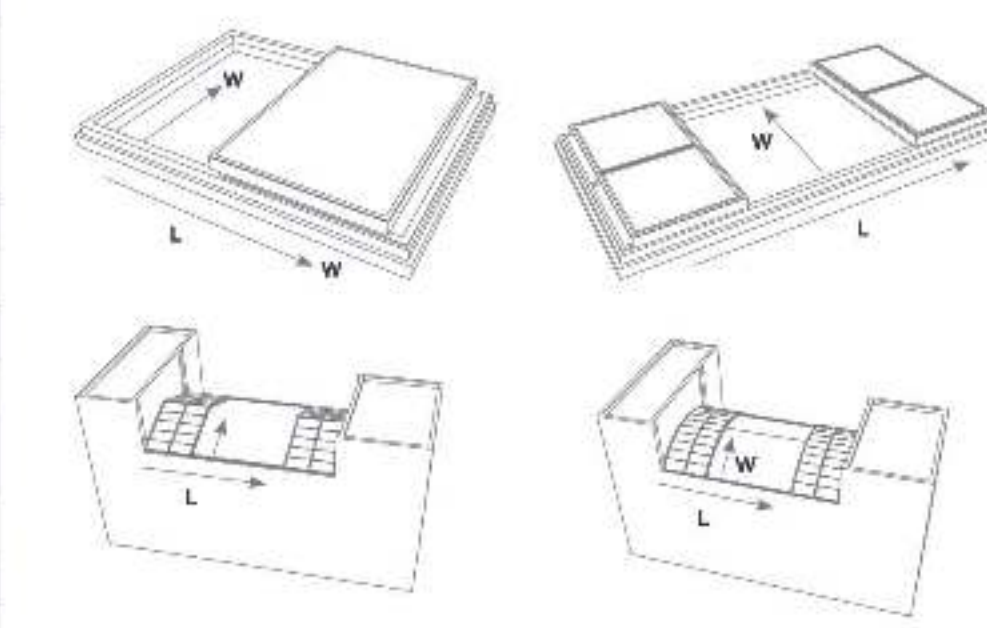
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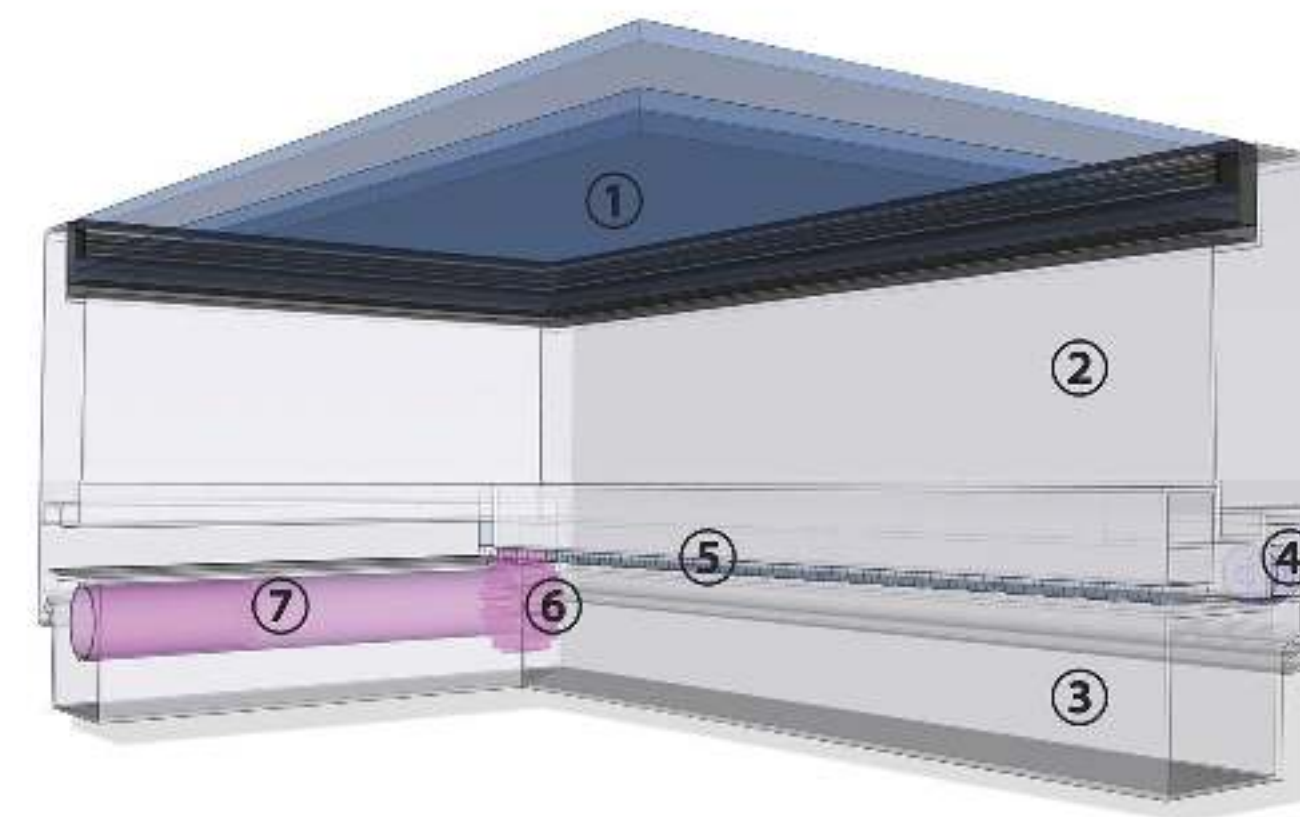
LIMIT VALUE
Max span (medium size): less than 4000mm
Max span (large size): less than 6000mm
Max Length: 12000mm

»

Sliding Skylight Data

	Standard Configuration			Optional Configuration			
Control Methods (☐ select)	① Wireless remote control ② Rain sensor			☐ Tourbillon Remote Control	☐ APP control	☐ Voice Control	☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor
Size Range	Medium size sliding skylight		Large size sliding skylight		Extra Large Sliding Skylight		
	W: ≤ 4m	L: ≤ 6m	W: ≤ 6m	L: ≤ 8m	W: ≤ 12m	L: ≤ 16m	
Profile Structure	Medium size sliding skylight		Large size sliding skylight		Extra Large Sliding Skylight		
	Window Width: 100mm	Window Height: 234mm	Window Width: 115mm	Window Height: 416mm	Window Width: 280mm	Window Height: 750mm	
Reinforced Steel Structure	Reinforced Steel Structure			Extra Large Sliding Skylight			
	Width: 50mm	Height: 220mm	Thickness: 8mm	Width: 150mm	Height: 350mm	Thickness: 10mm	
Screen (☐ select)	☐ Fixed Diamond Mesh Screen ☐ Motorized Roller Screen						
Frame Material	Steel Structure + Aluminum Alloy Profile Composite						
Opening Style	Top-hung opening: 300mm-500mm						
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip						
Sunshade	Motorized Roller Blind						
Power Supply	Suitable for 110V-220V						
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years						
Waterproof Aluminum Sheet	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding						
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket						
Skylight Load	≤ 70 Kg per square meter						
Glass Capacity	Max. glass thickness ≤ 39mm; glass configuration adjustable on request						
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame						

PROFILE DATA



- PROFILE DATA**
Height: 328mm
Width: 129mm
Glass space: Less than 45mm
Contact surface width: 32mm
- ① Safety glass
 - ② Movable frame
 - ③ Fixed frame
 - ④ Sliding system
 - ⑤ Driving system
 - ⑥ Gear
 - ⑦ Motor



LIMIT VALUE
Max span (medium size): less than 4000mm
Max span (large size): less than 6000mm
Max Length: 12000mm

MEDIUM & LARGE SLIDING SKYLIGHT

MEDIUM & LARGE SLIDING SKYLIGHT



LIMIT VALUE

Max span (medium size): less than 4000mm
Max span (large size): less than 6000mm
Max Length: 12000mm

MEDIUM & LARGE SLIDING SKYLIGHT



LIMIT VALUE

Max span (medium size): less than 4000mm
Max span (large size): less than 6000mm
Max Length: 12000mm





LIMIT VALUE

Max span (medium size): less than 4000mm
 Max span (large size): less than 6000mm
 Max Length: 12000mm





LIMIT VALUE

Max span (medium size): less than 4000mm
 Max span (large size): less than 6000mm
 Max Length: 12000mm

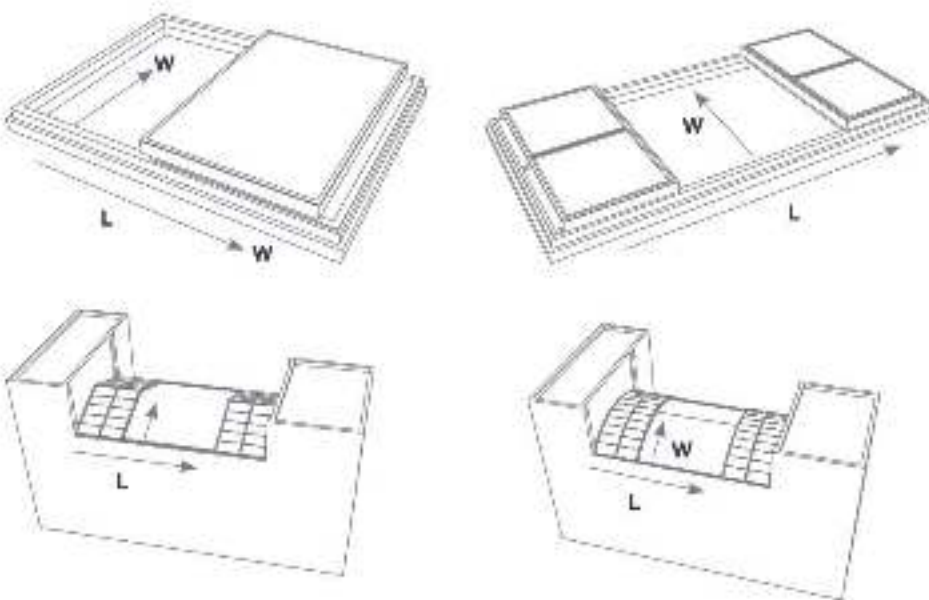


DOUBLE-PITCHED
SLIDING SKYLIGHT™

11

LIMIT VALUE OF
RECTANGULAR SKYLIGHT
Max span: less than 20m
Max Length: unlimited

» Please →

Sliding Skylight Data						
Control Methods (☐ select)	Standard Configuration		Optional Configuration			
	① Wireless remote control ② Rain sensor		☐ Tourbillon Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor			
Size Range	Medium size sliding skylight		Large size sliding skylight		Extra Large Sliding Skylight	
	W: ≤ 4m	L: ≤ 6m	W: ≤ 6m	L: ≤ 8m	W: ≤ 12m	L: ≤ 16m
Profile Structure	Medium size sliding skylight		Large size sliding skylight		Extra Large Sliding Skylight	
	Window Width: 100mm	Window Height: 234mm	Window Width: 115mm	Window Height: 416mm	Window Width: 280mm	Window Height: 750mm
Reinforced Steel Structure	Reinforced Steel Structure			Extra Large Sliding Skylight		
	Width: 50mm	Height: 220mm	Thickness: 8mm	Width: 150mm	Height: 350mm	Thickness: 10mm
Screen (☐ select)	☐ Fixed Diamond Mesh Screen ☐ Motorized Roller Screen					
Frame Material	Steel Structure + Aluminum Alloy Profile Composite					
Opening Style	Top-hung opening: 300mm–500mm					
Lighting (☐ select)	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip					
Sunshade	Motorized Roller Blind					
Power Supply	Suitable for 110V–220V					
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years					
Waterproof Aluminum Sheet	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding					
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket					
Skylight Load	≤ 70 Kg per square meter					
Glass Capacity	Max. glass thickness ≤ 39mm; glass configuration adjustable on request					
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame					

DOUBLE-PITCHED SLIDING SKYLIGHT



LIMIT VALUE
Max span : less than 20m
Max Length: unlimited



CURVED SLIDING
SKYLIGHT™

12

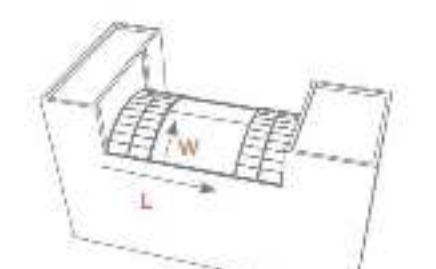
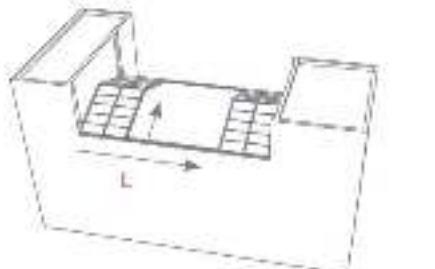
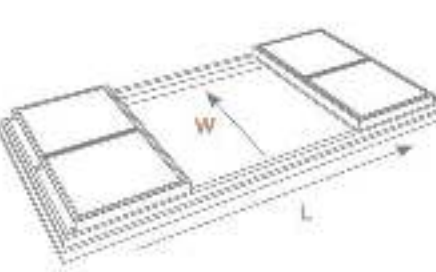
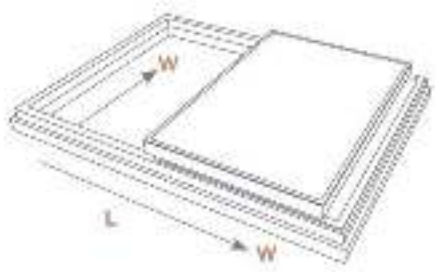
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LIMIT VALUE
Max span: less than 20m
Max Length: unlimited

»

Sliding Skylight Data

Control Methods () select	Standard Configuration		Optional Configuration			
	☐ Wireless remote control ☒ Rain sensor		☐ Tourblen Remote Control ☐ APP control ☐ Voice Control ☐ gas sensor ☐ Wind Sensor ☐ Smoke sensor ☐ Temperature sensor			
Size Range	Medium size sliding skylight		Large size sliding skylight		Extra Large Sliding Skylight	
	W: ≤ 4m	L: ≤ 6m	W: ≤ 6m	L: ≤ 8m	W: ≤ 12m	L: ≤ 16m
Profile Structure	Medium size sliding skylight		Large size sliding skylight		Extra Large Sliding Skylight	
	Window Width: 100mm	Window Height: 234mm	Window Width: 115mm	Window Height: 416mm	Window Width: 280mm	Window Height: 750mm
Reinforced Steel Structure	Reinforced Steel Structure			Extra Large Sliding Skylight		
	Width: 50mm	Height: 220mm	Thickness: 8mm	Width: 150mm	Height: 350mm	Thickness: 10mm
Screen () select	☐ Fixed Diamond Mesh Screen ☐ Microzed Roller Screen					
Frame Material	Steel Structure + Aluminum Alloy Profile Composite					
Opening Style	Top-hung opening: 900mm~500mm					
Lighting () select	☐ 6000K Circular LED Light Strip ☐ 4000K circular LED light strip					
Sunshade	Microzed Roller Blind					
Power Supply	Suitable for 110V~220V					
Surface Coating	Austria Tiger outdoor 15-year metallic powder coating, color stability for 15 years					
Waterproof Aluminum Sheet	☐ Aluminum Alloy Profile, thickness 2.0 mm, finished corners with laser welding					
Assembly & Sealing	Laser seamless welding + corner connector reinforcement + automotive-grade co-extruded gasket					
Skylight Load	≤ 70 Kg per square meter					
Glass Capacity	Max. glass thickness ≤ 39mm; glass configuration adjustable on request					
Packaging & Transportation	Honeycomb board wrapping + corner protectors + top pressure plate + wooden pallet + waterproof film + wooden frame					





LIMIT VALUE
Max span : less than 20m
Max Length: unlimited



CURVED SLIDING SKYLIGHT



LIMIT VALUE
Max span : less than 20m
Max Length: unlimited



CURVED SLIDING SKYLIGHT

13

TOURBILLON REMOTE CONTROL

FUNCTIONAL SPECIFICATIONS

- 1: 16 channels, supporting control of up to 16 devices
- 2: Multi-functional control unit (compatible with lighting, motorized curtains, and motorized screens)
- 3: 5V convenient lithium battery charging
- 4: 30-meter remote control range
- 5: Compatible with smoke detectors, supporting fire alarm signal recognition
- 6: Compatible with temperature sensors
- 7: Compatible with passive dry contact signal recognition
- 8: Compatible with RS-485 signal recognition
- 9: Compatible with smart APP control
- 10: Compatible with Apple HomeKit APP
- 11: Supports voice recognition via Apple HomePod
- 12: Multiple installation options (1. Desktop placement 2. Vertical wall mounting)

Please →





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 - 9: Compatible with smart APP control
 - 10: Compatible with Apple HomeKit APP
 - 11: Supports voice recognition via Apple HomePod
 - 12: Multiple installation options (1. Desktop placement; 2. Vertical wall mounting)

13

SLIM WAIST™ REMOTE CONTROL

FUNCTIONAL SPECIFICATIONS

- 1: 16 channels, capable of controlling up to 16 devices
- 2: Multi-functional control unit (compatible with lighting, motorized curtains, and motorized screens)
- 3: 30-meter remote control range

»

Please →





SLIM WAIST REMOTE CONTROL

- FUNCTIONAL SPECIFICATIONS**
- 1. 16 channels, capable of controlling up to 16 devices
 - 2. Multi-functional control unit (compatible with lighting, motorized curtains, and motorized screens)
 - 3. 30-meter remote control range

RAIN SENSOR

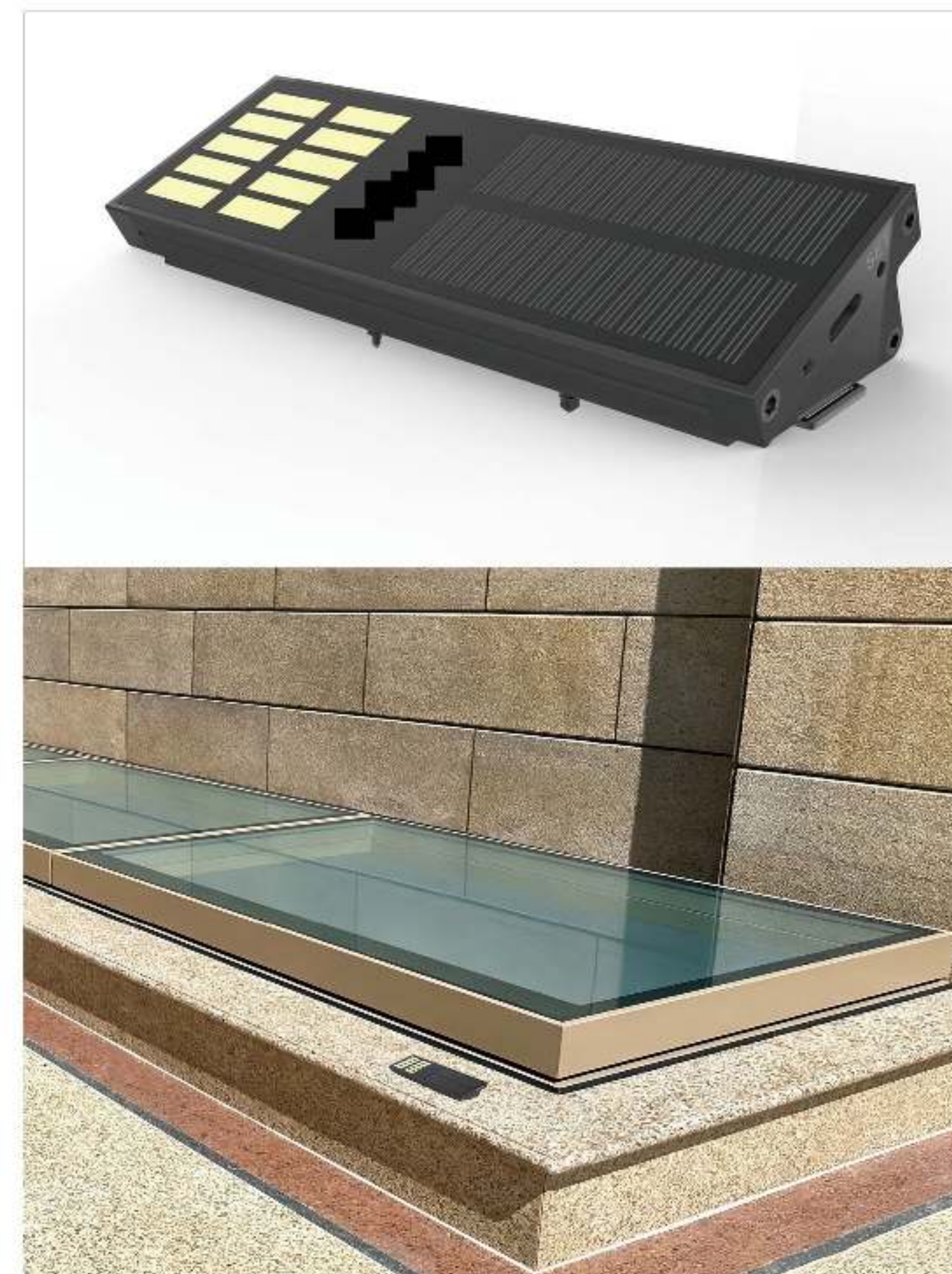
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FUNCTIONAL SPECIFICATIONS

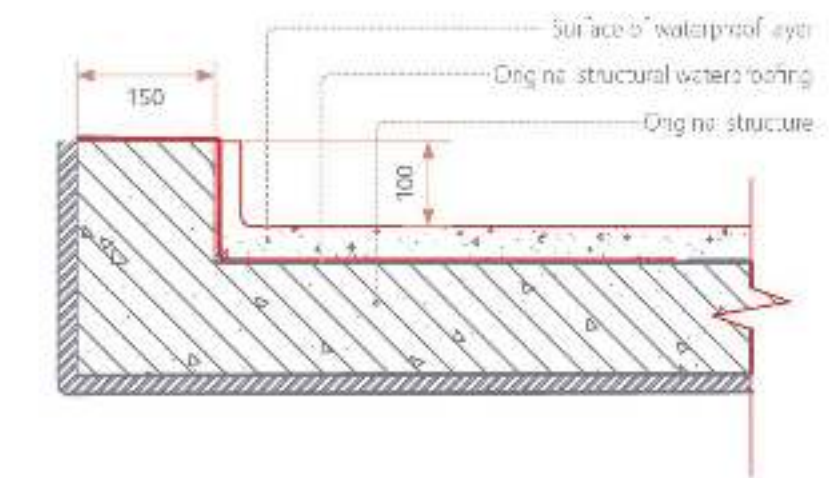
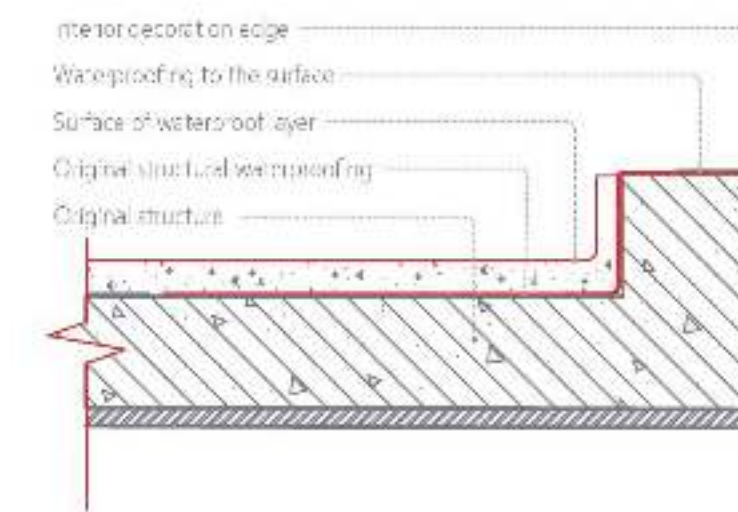
Solar-powered charging & energy storage
Convenient emergency 5V charging
20-meter control range
Wireless signal transmission

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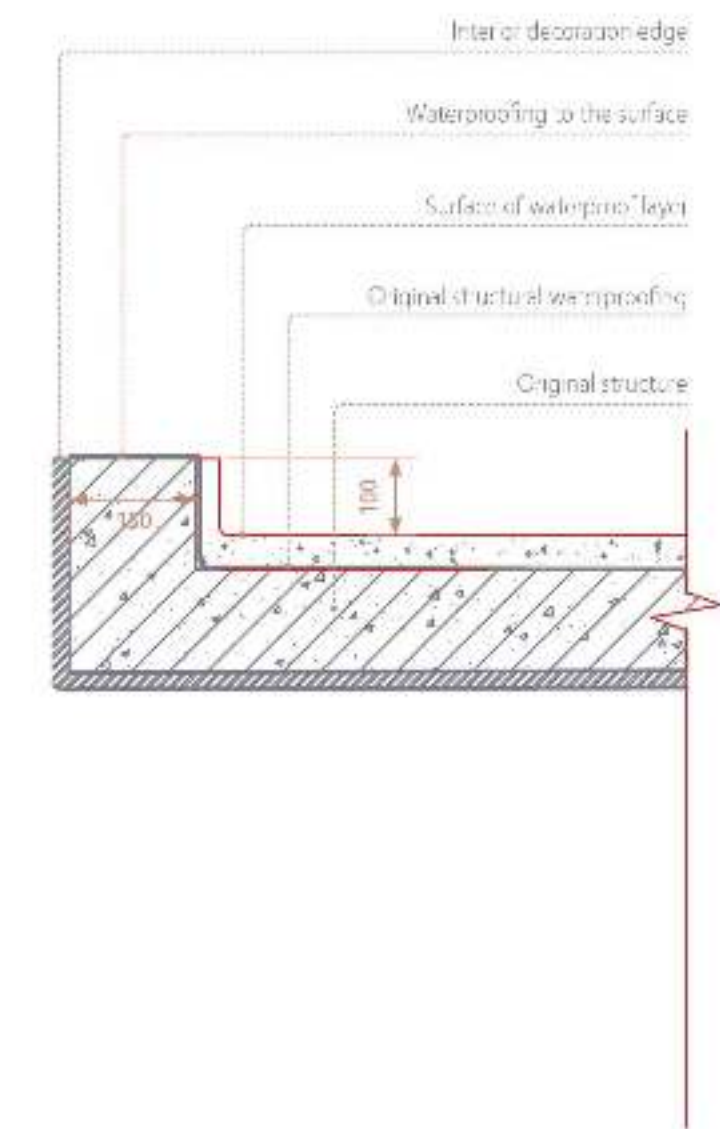
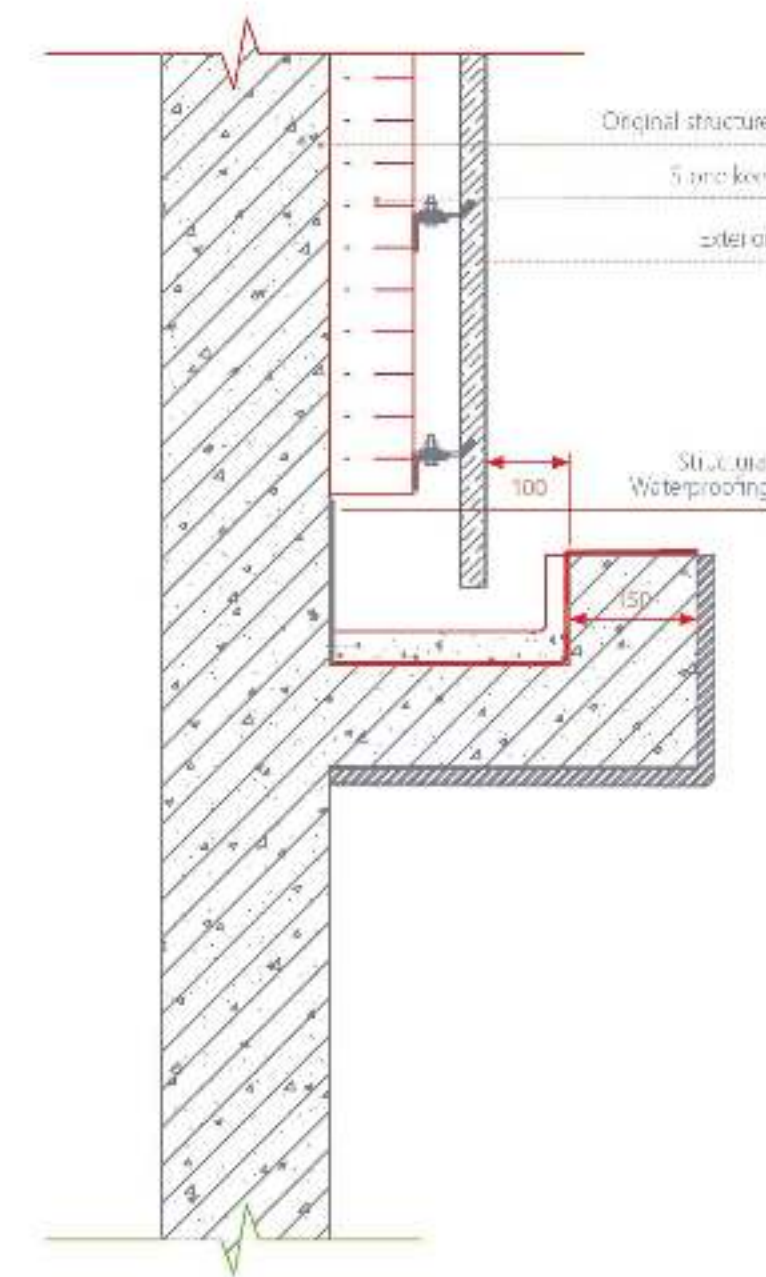
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CROSS SECTION OF AN INDEPENDENT OPENING



CROSS SECTION OF ADJACENT-TO-WALL OPENING



SLOPED ROOF OPENING SECTION

