MING CHEN SUNSHADE

Aluminum pergola
Outdoor zipper blinds
catalogue



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MINGCHEN SUNSHADE

Creating unique outdoor space

Weifang Mingchen Outdoor Technology Co., Ltd.

Mainly focus on outdoorzipper track blinds ,Pergolas, roller blinds,zebra blinds etc. Mingchen sunshade is commited to providing high quality to customers around the world

With novel product designs and unique functions, we are commited to becoming the global leader in high-end sunshade products.

Mingchen sunshade will build the core competitiveness of the brand around "innovative design" and "ultimate quality" and embody

It has unique characteristics in terms of product design, function, quality, cost performance, purchase channels, etc.method.

Unique outdoor space

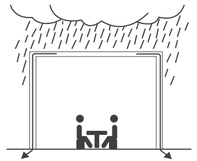


Unique indoor space

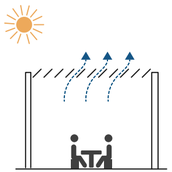


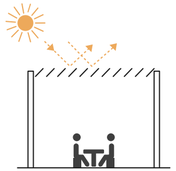














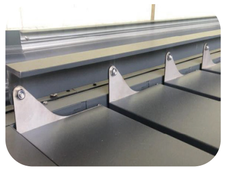


PERGOLA SERIES

A minimalist design that can be fully integrated with architectural aesthetics. It has outstanding advantages such as sunshade, heat insulation, wind and rain protection, and all-weather resistance, and is a perfect extension of modern architectural applications. Its appearance reveals a touch of luxury and fashion, which can be easily paired with both private residential and commercial environments.

The pergola post and top louver are completely made of aluminum alloy, with specially designed components and aluminum extrusions, and an electrically retractable engine is used to connect the blinds opening and closing system. When the louvers are open, there are plenty of lines and a gentle breeze; When the louvers are completely closed, it can also block the passage of light radiation and rainwater. In addition, it can also be equipped with zipper track roller blinds, wireless remote control devices, and other accessories, becoming an intelligent outdoor leisure area, allowing you to enjoy high-quality outdoor life to the fullest.

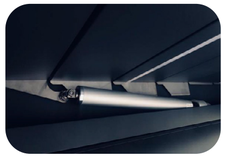
SUNSHADE AND HEAT INSULATION RAINPROOF AND WATERPROOF LOAD BEARING AND SNOW PREVENTION STRONG AND WIND RESISTANT PERFECT MATCH FOR ARCHITECTURE CUSTOMIZABLE ACCORDING TO THE VENUE



Blades connection



Blades off



motor



Blades open

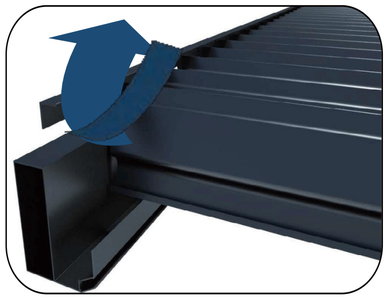


LED light



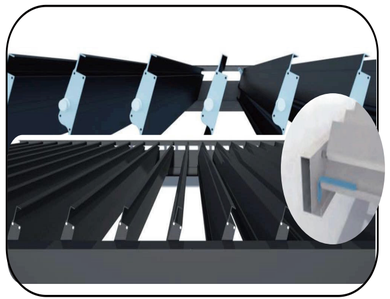
Drain water

Product advantage



①Opening angle

The opening angle reach es 90°, and the · shading degree and air i ntake can be ad· justed according to need s.



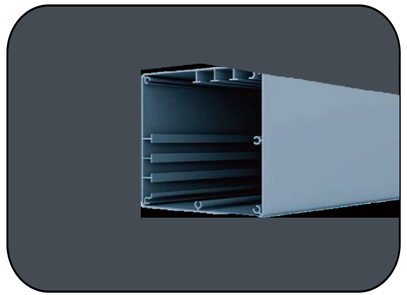
②Double-layer Blades

Blades have a drainag e system, and rainwater will flow from Blades in to the sink without dripping.



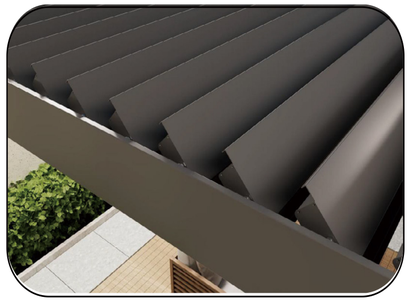
③Central controller

High quality central control system. Waterproof wire. Allows outdoor zipper blinds and outdoor gazebos to run smoothly in sync.



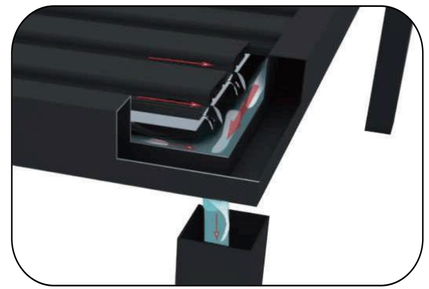
④ Load capacity 140kg

Larger, thicker aluminum is more stable and durable. Anti-snow pressure up to· 140kg/square meter



⑤Aluminum alloy & powder coating

High quality 6063High strength alu minum-Mg-Si alloy,high-density powder coating on the surface, rust-free Corrosion-free, maintenance-free, safe and environmentally friendly, and can be used for more than 20 years.



⑥Dual drainage system

Effectively prevent the surrou nding rain sputtering, the top surface can withstand the intensity of up to 40-50 ml/s/m2 of rain

MINGCHEN SUNSHADE

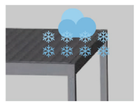
Minimalist design | flip louver | large space | use day and night | wireless control | shape drainage

Five-proof function



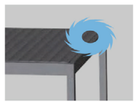
RAINPROOF

On rainy days, when the louvers are fully closed, the top system will form a fully enclosed



SNOW PREVENTION

High load optimization design, capable of carrying 140KGS of snow per square meter, approximately equal to the total amount of snow storms for 10 consecutive days



WIND AND EARTHQUAKE RESISTANCE

Strengthened fixed design, the installed pergola has excellent wind and seismic resistance



SUNSCREEN

After the louvers are fully closed, they are 100% UV resistant and block the entry of heat



FIRE PREVENTION

The aluminum magnesium silicon alloy body has a safety and fire protection function compared to wooden or resin based pergola products

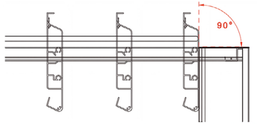
Adjustable Louvers — Up to 90°

Opening Louvers open up to 90°, so the shading level and air intake can be adjusted according to your needs. Close them for shade and rain protection, open them for ventilation.

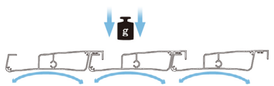
Double-Layer Louver Support — Stronger Load-Bearing & Better Snow Resistance
The double-layer louver support structure provides stronger load-bearing capacity and superior snow resistance, ideal for heavy-snow and high-wind regions.

Rubber Seal Strips on All Top Blades — Quieter, Tighter, More Waterproof
Every top blade is equipped with a rubber seal strip, making the roof quieter, better sealed, and more waterproof.

OPENING THE LOUVERS -- BETTER ENJOYMENT OF SUNLIGHT



LOUVER CLOSURE - HIGH CLOSURE, SUN AND RAIN PROOF





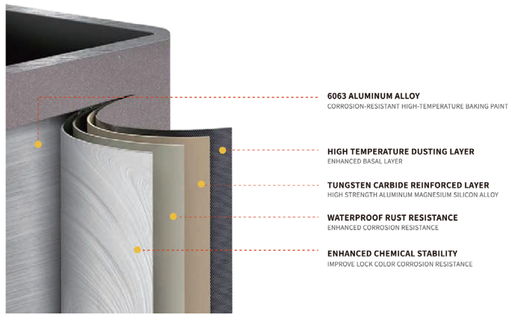
WIDER LOUVERS

Real materials, long life service

Service life more than 30 **years**;

6063 series aluminum, the thickness of core parts is more than **2MM** , high strength and corrosion resistance.

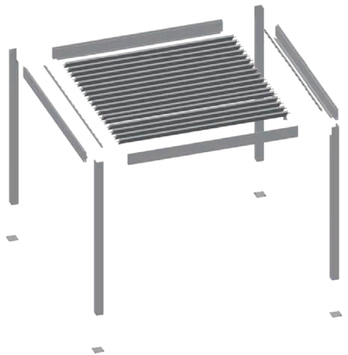
Special outdoor power coating service life is 30 years



Modular structure, Lego-style assembly

Modular mortise design, assembly is like playing "Lego"

Optimize accessory system to reduce redundant installation process

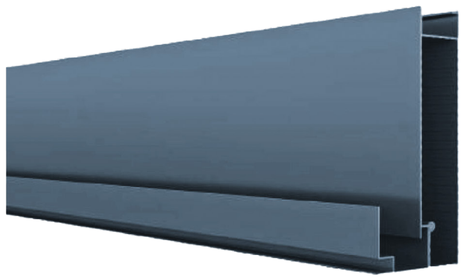


A - Heavy-duty aluminum material

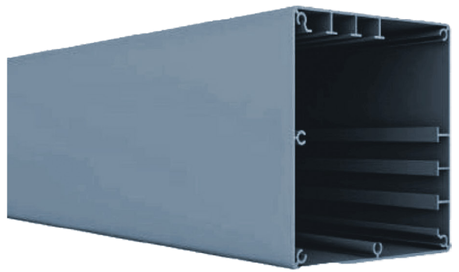
Suitable for areas of 20 square meters or larger.



Blade Width： 220mm;
Blade thickness: 53mm;
Blade thickness: 2.3mm



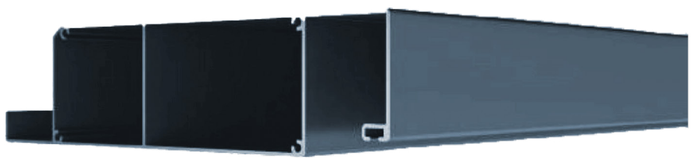
Beam high:280mm;
Beam width: 121mm ;
Beam thickness: 2.3mm



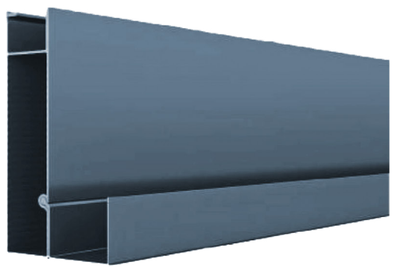
Post size: 180*180mm;
Post Thickness: 2.7mm

B - Medium-sized aluminum material

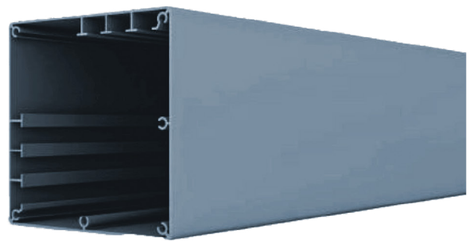
Suitable for areas of 18 square meters or less



Blade Width： 175mm;
Blade thickness: 40mm;
Blade thickness: 2.1mm



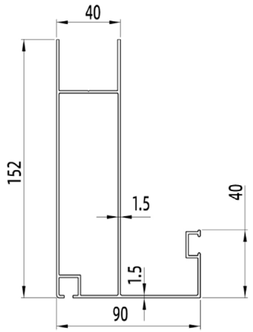
Beam high:175mm;
Beam width: 123mm;
Beam thickness: 2.3mm



Post size: 150*150mm;
Post Thickness: 2.5mm

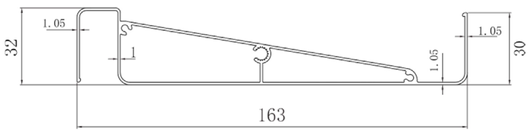
C-163 Aluminium Pergola





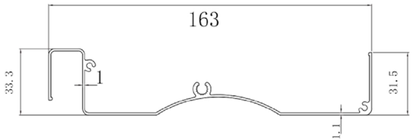
Beam (Integrated Gutter) 152x90x1.5mm



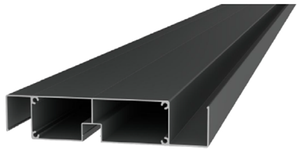


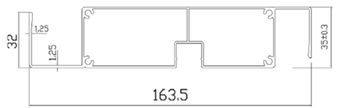
Double-layer Inclined Louvers 163x35.3x1.25mm



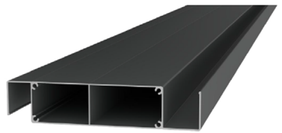


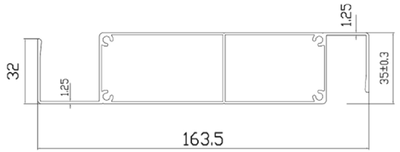
Curved Louvers 163x33 .3x1.1mm





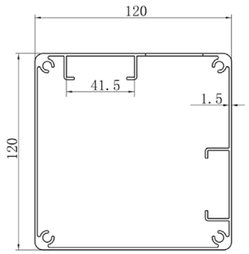
Dual-Flat Louvers
(With LED Lights) 163x35.3x1.25mm





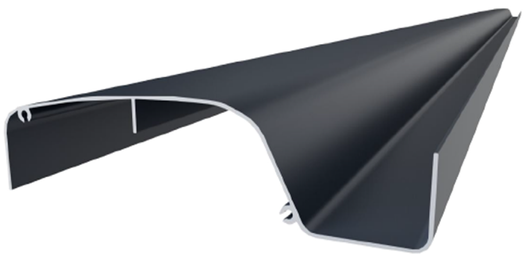
Dual-Flat Louvers 163x35.3x1.25mm





Post 120x120x1.5mm

D-147 Light-Duty Louvered Pergola



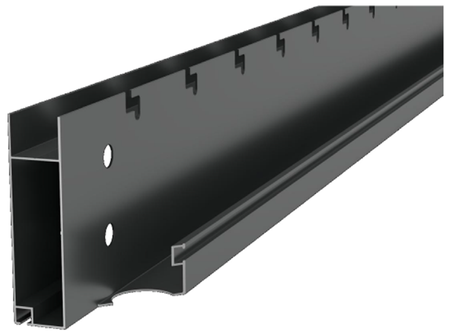
Standard Louver

Width: 147mm
Height: 28mm
Thickness: 1.2mm



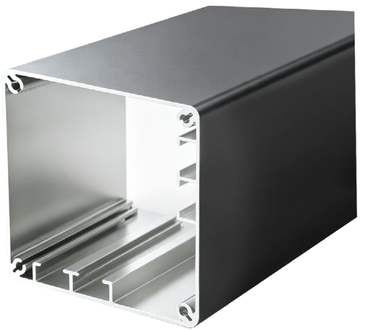
Double-layer Louver (Actuated Louver)

Width: 147mm
Height: 28mm
Thickness: 1.2mm



Beam (Integrated Gutter)

Width: 90mm
Height: 152mm
Thickness: 1.5mm



Post

Width: 120mm
Height: 120mm
Thickness: 1.5mm

Central Controller & Pergola Light Strips



Our central control system is equipped with a hard aluminum alloy casing and waterproof wiring. It is resistant to high temperatures and corrosion. It can control aluminum awnings, outdoor wind screens, and LED lights simultaneously. Even when used outdoors, there will be no problem. It can ensure the smooth operation of the awning and the outdoor curtains, and its service life can reach over 20 years.

VS



The size is too large and it is not aesthetically pleasing. It needs to be installed separately outside the aluminum pergola and cannot control both the aluminum pergola and the outdoor wind protection at the same time.



New

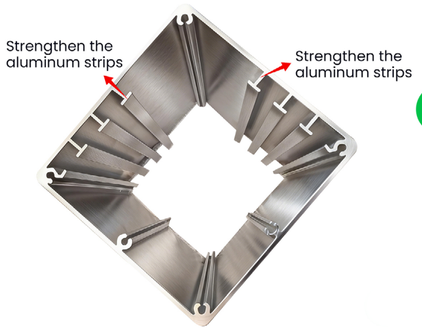
The light strips are fully sealed with silicone, featuring strong insulation and being resistant to aging and short circuits. Their service life is guaranteed for 6 years. The arrangement of the bulbs has been optimized, resulting in uniform and soft light emission, providing excellent lighting effects.

VS



The light strips are not waterproof, the brightness is uneven, and there is no expiration date.

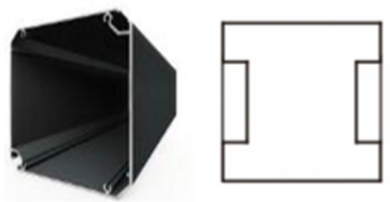
Pillar & Blades



New

The design incorporates reinforcing ribs, which have increased the strength by 100% and the weight per meter is 20% heavier than that of other manufacturers.

VS



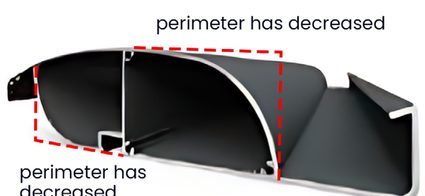
Poor design, excessive cutting corners, and adecline in stability.



New

The weight per meter increases by 15%, the load-bearing capacity increases by 30%, it is stable and reliable.

VS

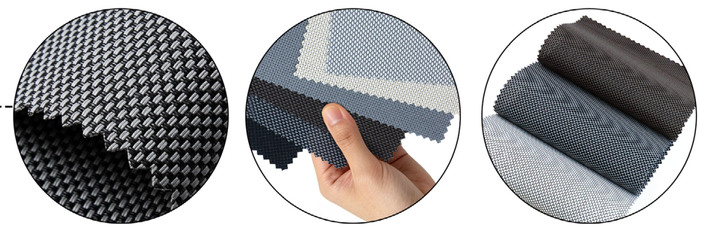


The perimeter has decreased, the weight per meter has dropped, the design has cut corners, and the load-bearing capacity has declined, easy to deform.

Made Only with High-Quality Materials



Our



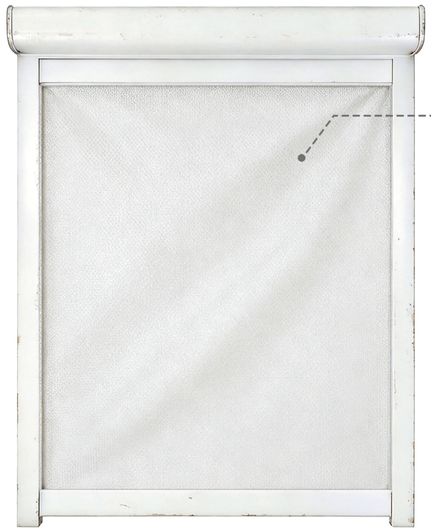
Outdoor Special Windproof Fabric

WINDPROOF GRADE:
Level 10(static wind pressure value>1200Pa)
Category 12 hurricane wind ≈ 850Pa

TEAR RESISTANCE:
Its tensile strength is three times higher than the industry standard, so it's wind-resistant and doesn't easily deform or sag.

FABRIC SMOOTHNESS:
30% Polyester, 70% PVC. The fabric is sturdy and holds its shape, with a smooth surface.

VS



Others



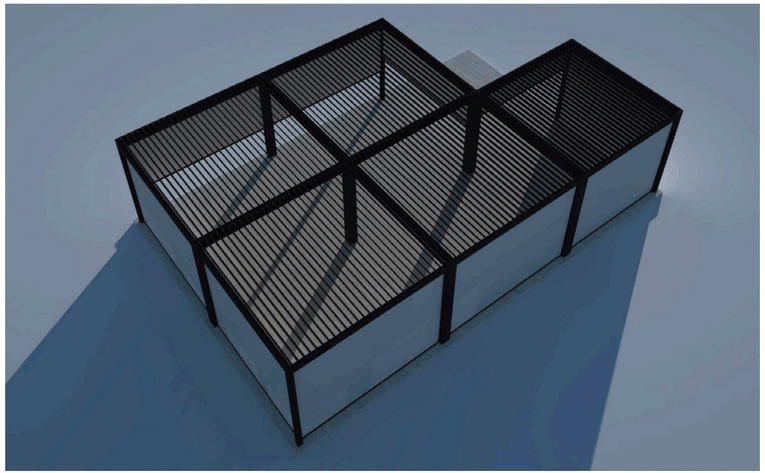
Ordinary Fabric

The fabric features poor wind resistance, cannot withstand strong tension, and its surface creases easily with no ability to recover.

Manufacturers cut corners by using low-grade common fabric instead of qualified windproof material. This cheap material creases easily, provides no reliable wind resistance, and may tear or fall apart. It will deform and sag after only a few months of use.

Support large size combi nation assembly

The combination of products can be determined according to different customized lengths.
With windproof curtains around it, it can become an ecological sunshine room, and even a multi-functional outdoor office area, direct broadcast room, chess and card room and other application scenarios.



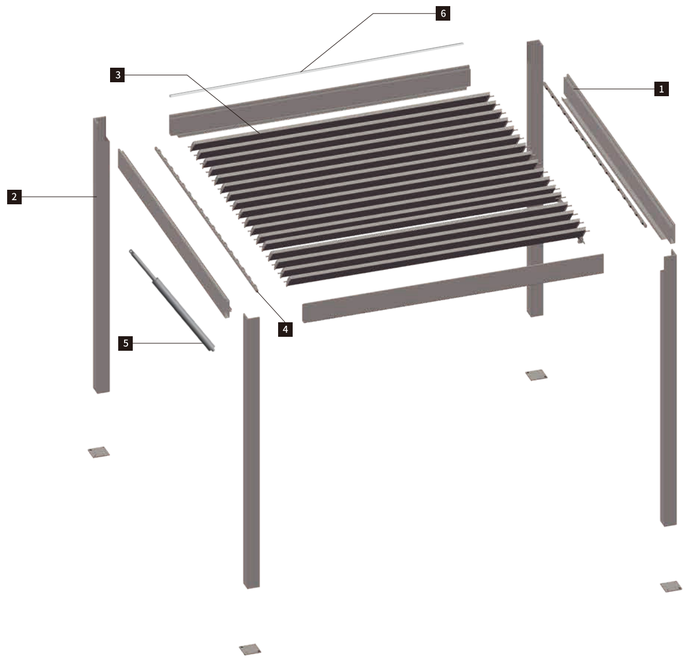
SIZE		Extension direction									
		2000	2500	3000	3500	4000	4500	5000	5500	6000	6500
Blade length direction	2000	★	★	★	★	★	★	★	★	★	☆
	2500	★	★	★	★	★	★	★	★	★	☆
	3000	★	★	★	★	★	★	★	★	★	☆
	3500	★	★	★	★	★	★	★	★	★	☆
	4000	★	★	★	★	★	★	★	★	★	☆
	4500	★	★	★	★	★	★	★	★	★	☆
	5000	★	★	★	★	★	★	★	★	★	☆
	5500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
	6000	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

NOTE：★Conventional size without splicing，★The Type 220 can be made to a regular size
☆Requires custom assembly sizes

NOTE：The default height of the product is 2.8 meters

MR-220

ALUMINUM PERGOLA



1. Beam PL01-01
2. Post PL01-02
3. Louver PL01-03
4. Louver Drive PL01-04
5. Motor PL01-05
6. LED Light PL01-06

installation size

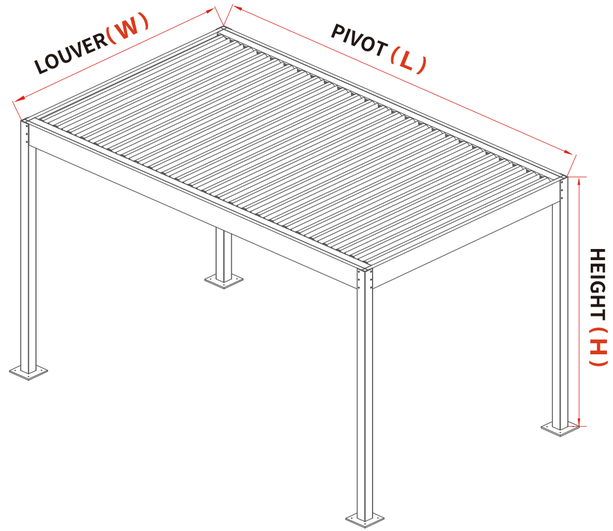
Standard size (Louver*Pivot *Height) :

300*300*280cm	300*400*280cm	300*600*280cm
300*800*280cm		
400*300*280cm	400*400*280cm	400*600*280cm
400*800*280cm		
450*300*280cm	450*400*280cm	450*600*280cm
450*800*280cm		

Custom size:

Pivot : 200cm ⩽ L ⩽ 600cm

Louver: 200cm ⩽ W ⩽ 500cm

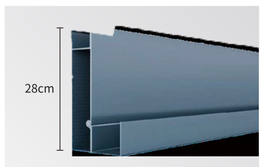


POST



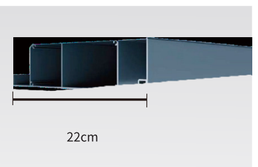
High stength aluminum alloy cassette with electrostatic outdoor powder coating.

BEAM



2.3mm thickened beam with high strength.

TYPE LOUVER



Double-layer blades, high strength, better shading and heat insulation effect.

DRAINAGE SYSTEM



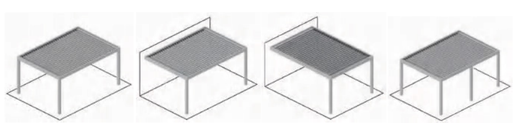
Integrated drainage system to handle greater precipitation.

Basic parameters

MR-PL01

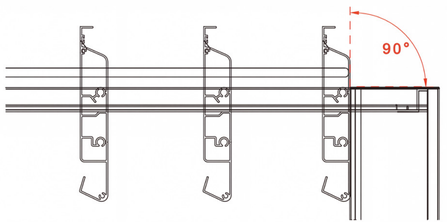
Standard Size Louver*Pivot *Height	300*300*280cm 300*400*280cm 300*600*280cm 300*800*280cm 400*300*280cm 400*400*280cm 400*600*280cm 400*800*280cm 450*300*280cm 450*400*280cm 450*600*280cm 450*800*280cm
Color	White / Black / Dark gray / Brown
Control	Remote control
Material	Aluminum alloy

Compound Mode



Independent | Rely on external wall | Rely on external wall | Two pergola assembled (Assemble along the length)

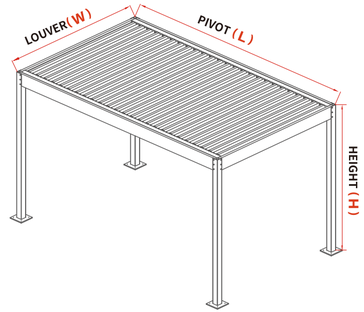
Description of louver rotation



Dimension Description

Max size for 175 profile	**5*4m**
Max size for 220 profile	**6*5m**

DESCRIPTION OF LENGTH AND RAINPROOF APPLICATION



LOUVER SPECIFICATIONS	LENGTH (SINGLE PERGOLA)	WIDTH	STRUCTURAL STRENGTH	RAIN PROOF PERFORMANCE	COMPREHENSIVE EVALUATION
175 TYPE LOUVER	⩽5 M	⩽3 M	★★★★☆	★★★★☆	Excellent rain proof performance, which can prevent heavy to rainstorm. Suitable for all application scenarios
	⩽6 M	3 M~4 M	★★★★☆	★★★★☆	Good rainproof performance, can prevent moderate rain. Basically suitable for daily application scenarios
220 TYPE LOUVER	⩽6 M	4.5 M~5 M	★★★★★	★★★★★	Excellent rain proof performance, which can prevent heavy to rainstorm. Suitable for all application scenarios
	⩽6 M	5 M~6 M	★★★★★	★★★★★	Good rainproof performance, can prevent moderate rain. Basically suitable for daily application scenarios

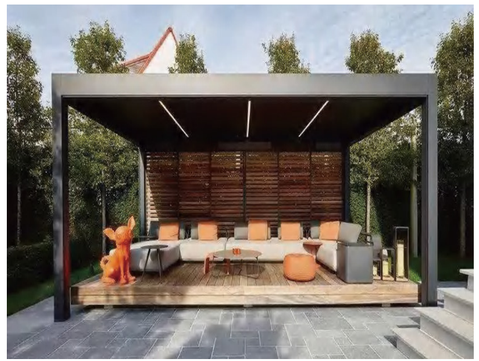
SELECTIVE COLOR



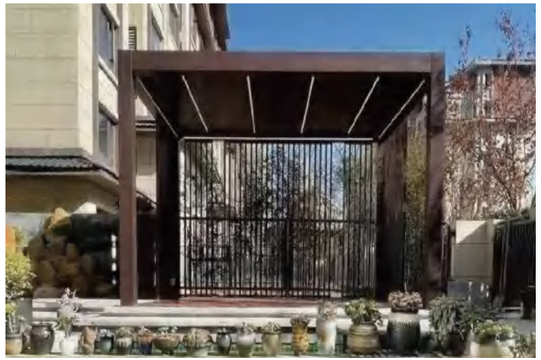
Black



White



Grey



Brown

MINGCHEN SUNSHADE

ZIPPER TRACK ROLLER BLIND

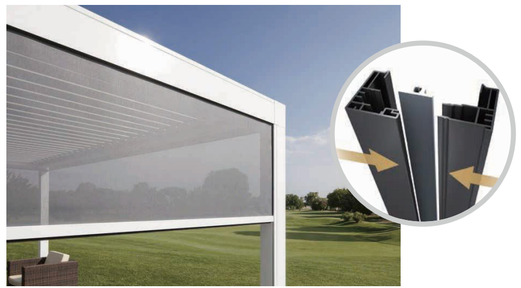
WINDPROOF
Compared with ordinary roller blinds, the zipper track blind effectively combine the fabric and the guide rails through the anti-shedding structure on both sides, so that the product has a strong wind resistance effect.

SUNSHADING
Zipper track blind can not only reflect most of the ultraviolet rays of sunlight, but also adjust the sunlight that enter into the room. It can protect indoor household items from the sunlight. At the same time, It can make indoor temprature balance through heat insulation.

PERFECT ARCHITECTURAL MATCH
The product is minimalist design, perfectly interpreting the modernist spirit of the building. Strong or contrasting colors are easy to cause a shock in the visual aspect, and enhance the aesthetic value and artistic appreciation of modern

HIGH WEATHER RESISTANCE
With the aluminum alloy accessories and outdoor fabrics, it makes the blinds with weather resistance effect. The blind has t risist wind,mosquitos and sand.

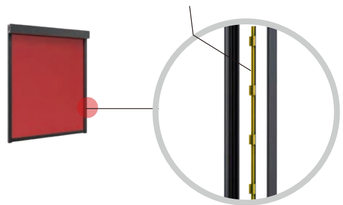
SIMPLE DESIGN



Integrated buckle guide track system,no screw holes in appearance,simple and beautiful

SMOOTH RUNNING

Extremely warm and durable inner rail
Special material guide rails are selected, which are not deformed at - 40 °C~120 °C, and can cope with harsh outdoor environments.



Special anti tripping design
Special structural design to prevent the fabric from falling off, allowing the fabric to pass smoothly without falling off or sticking due to excessive wind force or other reasons.

SPECIAL FABRIC

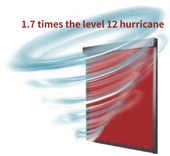




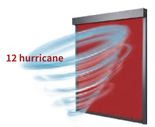
SUPER WIND RESISTANCE

ZIPPER TRACK BLINDS CAPABLE OF RESISTING HURRICANES

The static test value is equivalent to 1.7 times the level 12 hurricane



Outdoor special fabric zipper track blind > 1500Pa

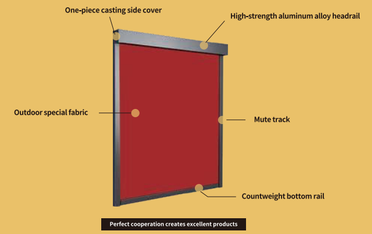


Category 12 hurricane ≈ 850Pa

Wind resistance level: 10
Blackout zipper track blind > 1200Pa, equivalent to 1.4 times the magnitude 12 hurricane
Outdoor special fabric zipper track blind > 1500Pa, equivalent to 1.7 times the magnitude 12 hurricane

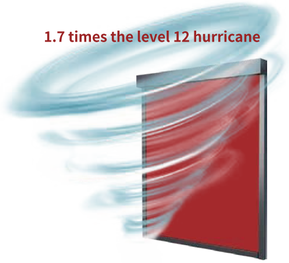
Wind scale

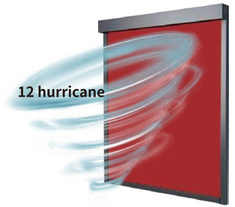
Wind level	Name	Wind speed(M/S)	Wind speed (km/h)	Wind pressure (N/m²)	Land image
0	No wind	0.0-0.2	<1	0-0.025	The smoke goes up, it feels no wind
1	light air	0.3-1.5	1-5	0.056-0.14	The smoke indicates the wind direction, the wind vane does not turn
2	Light breeze	1.6-3.3	6-11	0.16-6.8	It feels windy, the leaves make a little noise a little noise
3	breeze	3.4-5.4	12-19	7.2-18.2	The leaves and branches sway, the flags unfold
4	Zephyr	5.5-7.9	20-28	18.9-39	Blow up dust, paper, dust, sand
5	Fresh breeze	8.0-10.7	29-38	40-71.6	Small tree swaying, pan wavelet on the lake surface, great resistance
6	Gale	10.8-13.8	39-49	72.9-119	The branches are shaking, the wires are audible, and it is difficult to lift the umbrella
7	blast	13.9-17.1	50-61	120.8-182.8	Difficulty walking, big trees shaking, balloons blowing up or bursting
8	strong wind	17.2-20.7	62-74	184.9-267.8	Breaking the branches, it feels a lot of resistance to move forward, the umbrella may fly away
9	strong gale	20.8-24.4	75-88	270.4-372.1	The roof is damaged, the tiles blow, and the branches break
10	fierce wind	24.5-28.4	89-102	375.2-504.1	Uproot trees and destroy houses
11	storm	28.5-32.6	103-117	507.7-664.2	Damage is widespread, houses are blown away, and "sandstorms" may occur
12	Hurricane	32.7-36.9	117-134	664.2-851	Very few on land, causing huge disasters and blowing away houses



ZIPPER TRACK BLINDS CAPABLE OF RESISTING HURRICANES

The static test value is equivalent to 1.7 times the level 12 hurricane



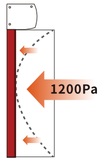


Outdoor special fabric zipper track blind > 1500Pa

Category 12 hurricane ≈ 850Pa

Blackout zipper track blind > 1200Pa, equivalent to 1.4 times the magnitude 12 hurricane
Outdoor special fabric zipper track blind > 1500Pa, equivalent to 1.7 times the magnitude 12 hurricane

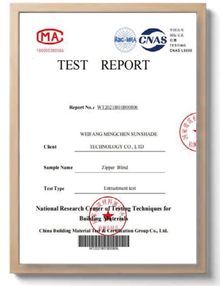
Under the pressure of 1200Pa, the product has no plastic deformation and can be used normally



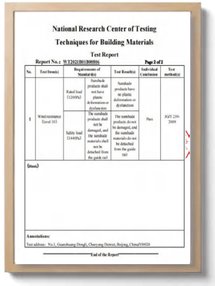
Diagrammatic sketch

Wind proof performance certificate

Wind resistance level: 10



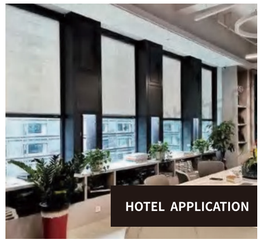




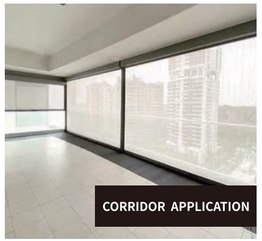
Applicable environment

Widely used in: villas, five-star hotels, modern home, car 4S shop, exhibition hall, outdoor courtyard and other places.







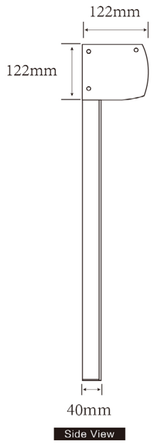




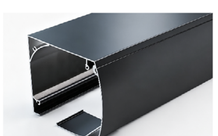
ZT06P

ELECTRIC ROLLER BLINDS
MODEL: 45 MOTOR (EXTERNAL)

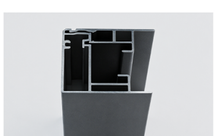


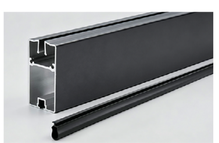


Side View


High stength aluminum alloy cassette with electrostatic outdoor powder coating.

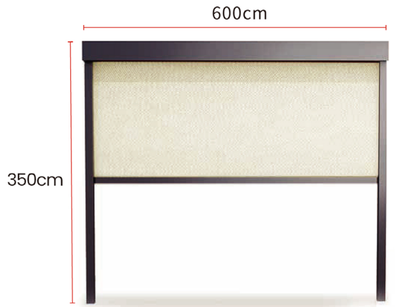

High-strength iron pipe.


Polymer wear-risitanct material is sticked with the guide track,makes the fabric firmly installed.


Strong and firm bottom rail with anti-collision rubber strip installed.

Basic parameters

Limit value	**MAX:** **Width** 600cm x **Height** 350cm **MIN :** **Width** 80cm x **Height** 100cm
Color	White/Dark grey/Brown/Black
Control	Remote control
Material	Aluminum alloy profiles +iron pipes
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ≈ 850Pa

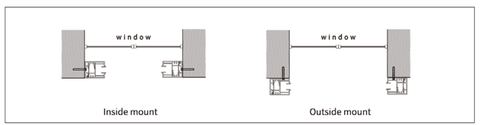




Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
122*122mm	40*51mm	25*50mm

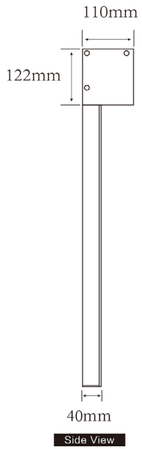
Installation top view

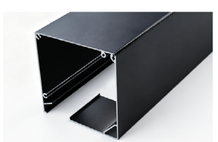


ZT08P

ELECTRIC ROLLER BLINDS
MODEL: 45 MOTOR (EXTERNAL)







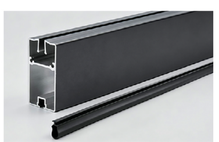
High stength aluminum alloy cassette with electrostatic outdoor powder coating.



High-strength iron pipe.



Polymer wear-risitanct material is sticked with the guide track,makes the fabric firmly installed.



Strong and firm bottom rail with anti-collision rubber strip installed.

Basic parameters

Limit value	**MAX:** **Width** 450cm x **Height** 350cm **MIN :** **Width** 80cm x **Height** 100cm
Color	White/Dark grey/Brown/Black
Control	Remote control
Material	Aluminum alloy profiles +iron pipes
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ~ 850Pa

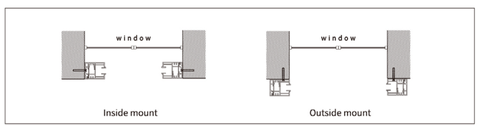




Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
110*122mm	40*51mm	25*50mm

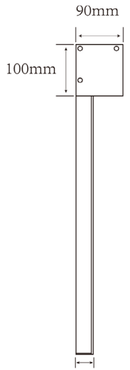
Installation top view



ZT09P

PROJECT ZIPPER TRACK ROLLER BLIND





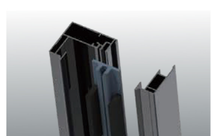
Side View



High stength aluminum alloy cassette with electrostatic outdoor powder coating.



High-strength iron pipe.



Polymer wear-risitanct material is sticked with the guide track,makes the fabric firmly installed.



Strong and firm bottom rail with anti-collision rubber strip installed.

Basic parameters

Limit value	**MAX:** **Width** 350cm **Height** 320cm **MIN :** **Width** 80cm x **Height** 100cm
Color	White/Dark grey/Brown
Control	Remote control
Material	Aluminum alloy profile + nylon accessories
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ~ 850Pa



MAX

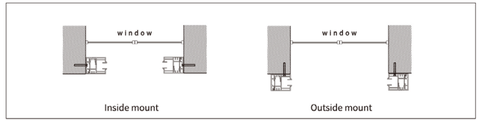


MIN

Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
90*100mm	42*44mm	25*49mm

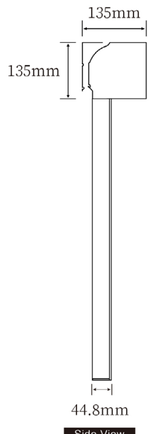
Installation top view

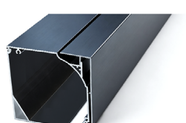


ZT18A

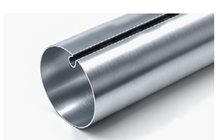
ELECTRIC ROLLER BLINDS
MODEL: 45 MOTOR (EXTERNAL)







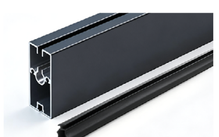
High stength aluminum alloy cassette with electrostatic outdoor powder coating.



High-strength iron pipe.



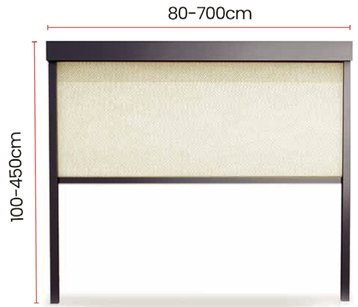
Polymer wear-risitanct material is sticked with the guide track,makes the fabric firmly installed.



Strong and firm bottom rail with anti-collision rubber strip installed.

Basic parameters

Limit value	Width Dimension 80-700cm Height Dimension 100-450cm
Color	White/Dark grey/Brown/Black
Control	Remote control
Material	Aluminum alloy profiles +iron pipes
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ~ 850Pa



MIN:80×100cm

NOTICE

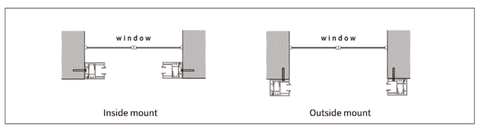
Max Height : 450cm
the width can only reach 600cm.

Max Width : 700cm
the height can only reach 300cm.

Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
135*135mm	44.8*63mm	29*62mm

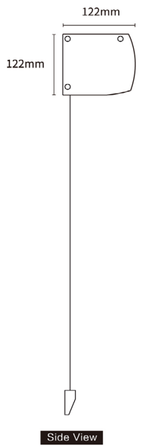
Installation top view

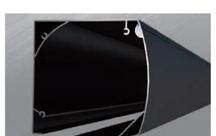


ZT05

STEEL-WIRE GUILDING BLIND
MODEL: 45 MOTOR (EXTERNAL)







High stength aluminum alloy cassette with electrostatic outdoor powder coating.



Same Curve Design for Bottom Rail and Cassette.



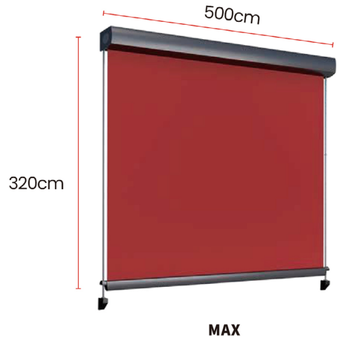
Exquisite High Strength Components which perfect match the blind.



Mount Method: Wall Mounting/ Floor Mounting.

Basic parameters

Limit value	**MAX:** **Width** 500cm x **Heig** 320cm **MIN :** **Width** 80cm x **Height** 100cm
Color	White/Dark grey/Brown/Black
Control	Remote control
Material	Aluminum alloy profile + nylon accessories
Windproof grade	/



MAX



MIN

Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
122*122mm	---	30*67mm

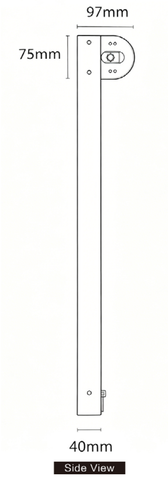
Installation top view



ZT07

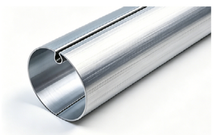
ROLLER-STYLE WINDPROOF BLINDS
MODEL: 45 MOTOR (EXTERNAL)



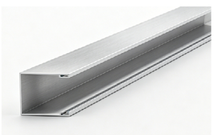




Bracket:Iron bracket, high strength,easy and firm installation.



High strength aluminum tube.



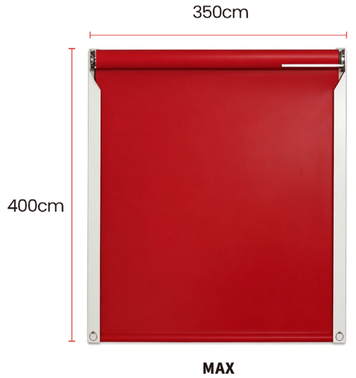
Side rail:6063 aluminum rod is inteerally cast and formed,made of all aluminum alloy material



Fix ring:Stainless steel fix ring design,to fix the fabric and bottom rail.

Basic parameters

Limit value	**MAX:** **Width** 350cm x **Height** 400cm **MIN :** **Width** 80cm x **Height** 100cm
Color	---
Control	Remote control
Material	Aluminum alloy profiles +iron pipes
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ≈ 850Pa

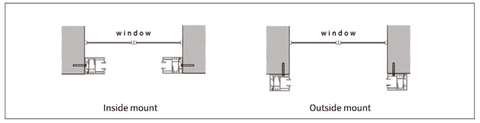




Part dimensions

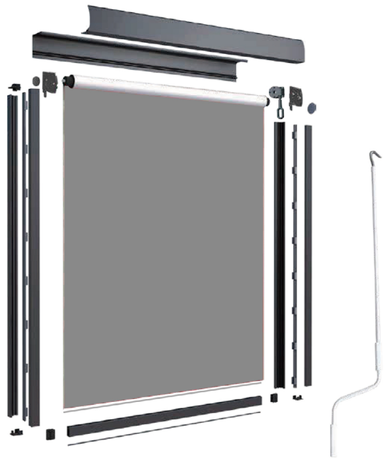
ALLOY CASSETTE	LIGHT-BLOCKING GROOVE	BOTTOM RAIL
---	40*46mm	Φ25

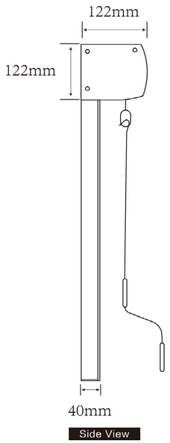
Installation top view



ZT10

MANUAL ZIPPER TRACK ROLLER BLIND
MODEL: 45 MOTOR (EXTERNAL)

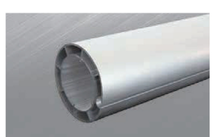




Side View


Manual system, adjustable lifting, labor-saving and convenient.


Copper gears, high driving precision and high driving efficiency .


Double layer high strength aluminum alloy tube.


Polymer wear-risitanct material is sticked with the guide track,makes the fabric firmly installed.

Basic parameters

Limit value	**MAX:** **Width** 600cm× **Height** 320cm **MIN :** **Width** 70cm × **Height** 100cm
Color	White/Dark grey (the side cover is only white and dark gray)
Control	Crank
Material	Aluminum alloy profile + nylon accessories
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ~ 850Pa



MAX

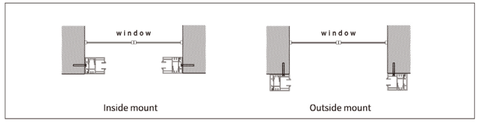


MIN

Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
122*122mm	40*60mm	62*67mm

Installation top view

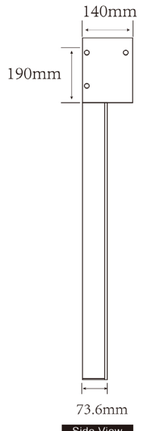


Inside mount
Outside mount

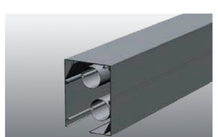
ZT11

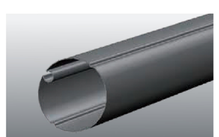
DOUBLE LAYER ZIPPER TRACK ROLLER BLIND
MODEL: 45 MOTOR (EXTERNAL)



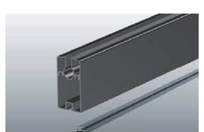


Side View


High stength aluminum alloy cassette with electrostatic outdoor powder coating.

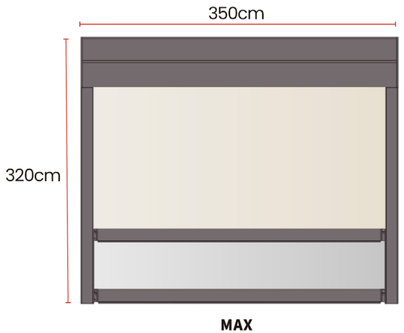

High strength aluminum tube.

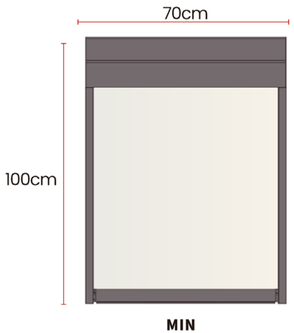

Polymer wear-risitanct material is sticked with the guide track,makes the fabric firmly installed.


Strong and firm bottom rail with anti-collision rubber strip installed.

Basic parameters

Limit value	**MAX:** **Width** 350cm x **Height** 320cm **MIN :** **Width** 70cm x **Height** 100cm
Color	Dark grey
Control	Remote control
Material	Aluminum alloy profile + nylon accessories
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ~ 850Pa

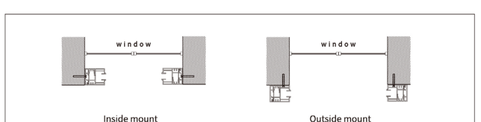




Part dimensions

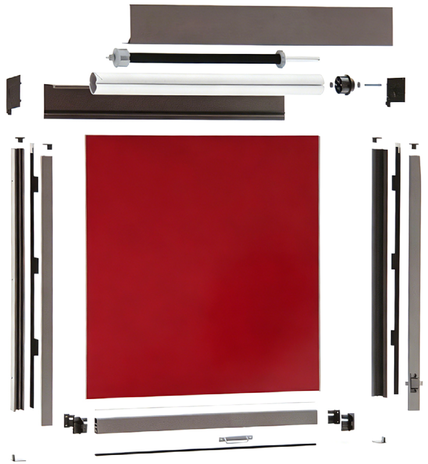
ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
140*190mm	42*73.6mm	25*49mm

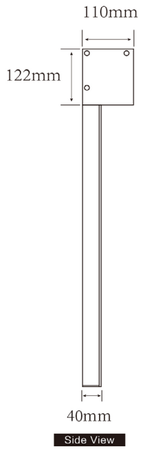
Installation top view



ZT12

SPRING SYSTEM ZIPPER
TRACK ROLLER BLIND

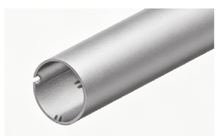




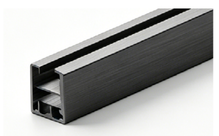
Side View



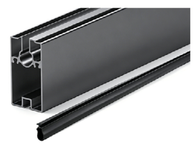
High stength aluminum alloy cassette with electrostatic outdoor powder coating.



High strength aluminum tube.



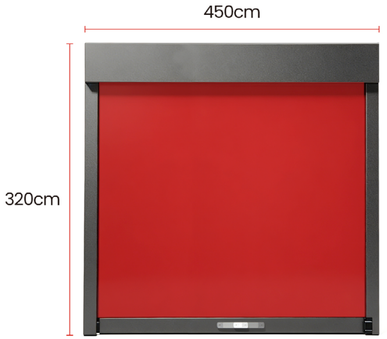
Polymer wear-risitanct material is sticked with the guide track,makes the fabric firmly installed.



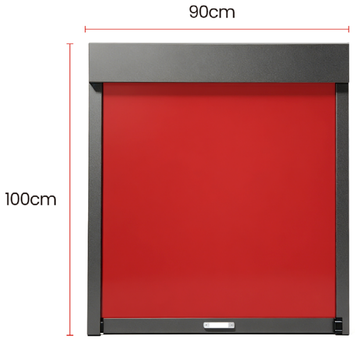
Strong and firm bottom rail with anti-collision rubber strip installed.

Basic parameters

Limit value	**MAX:** **Width** 450cm x **Height** 320cm **MIN :** **Width** 90cm x **Height** 100cm
Color	White/Dark grey/Brown/Black
Control	Spring system
Material	Aluminum alloy profiles +iron pipes
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ≈ 850Pa



MAX

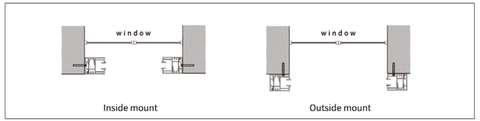


MIN

Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
110*122mm	40*49mm	25*49mm

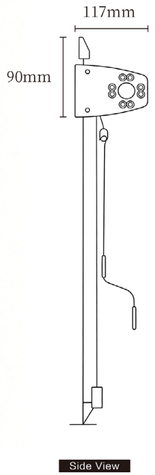
Installation top view



ZT14

BUDGET OUTDOOR ROLLER BLIND





Side View



Gearbox:Copper gear with high driving precision and high driving effciency



High strength aluminum tube.



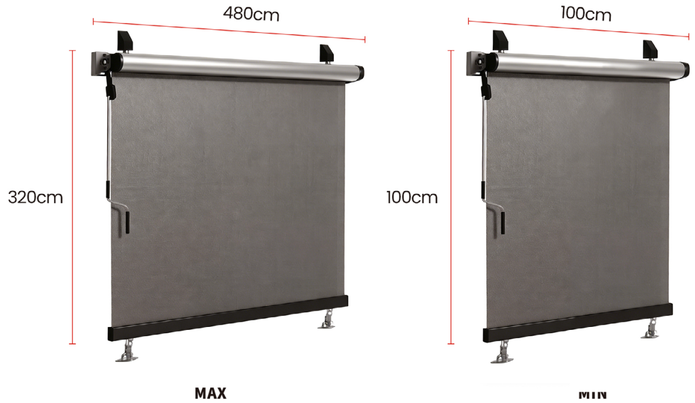
Bottom rail:6063 aluminum rod is inteerally cast and formed,made of all aluminum alloy material



Crank:Manual system,adjustable liting, labor-saving and convenient

Basic parameters

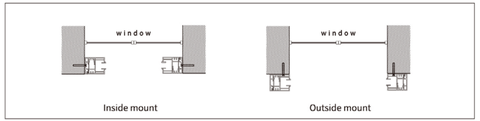
Limit value	**MAX:** **Width** 480cm x **Height** 320cm **MIN :** **Width** 100cm x **Height** 100cm
Color	---
Control	Crank control
Material	Aluminum alloy profiles +iron pipes
Windproof grade	Level 10 (static wind pressure value>1200Pa) Category 12 hurricane ~ 850Pa



Part dimensions

ALLOY CASSETTE	SIDE RAIL	BOTTOM RAIL
---	---	25*49mm

Installation top view



The aluminum material adopts high-strength 6063 series aluminum material, with high strength, corrosion resistance, and long service life; Special outdoor powder coating, 5-8 years without fading.

Aluminum color

Standard color card

White

Dark grey

Brown

Black

Custom RAL international colors, customizable colors





Villas, 5-Star Hotels, Modern Residences,
Outdoor Pavilions & Other Venues













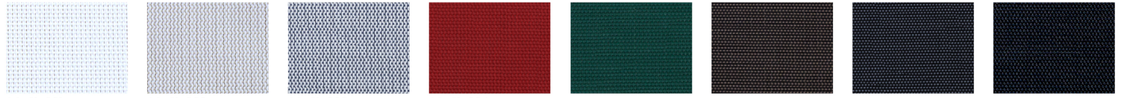




Fabric Selection

SC-E1

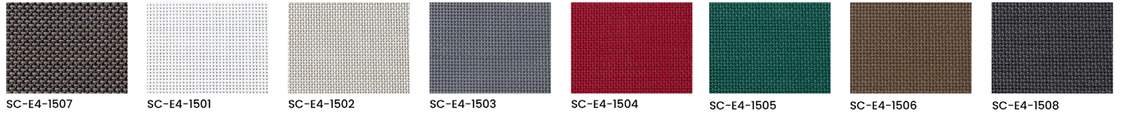
Openness Factor 6%



SC-E1-601 SC-E1-602 SC-E1-603 SC-E1-604 SC-E1-605 SC-E1-606 SC-E1-607 SC-E1-608

SC-E4

Openness Factor 15%



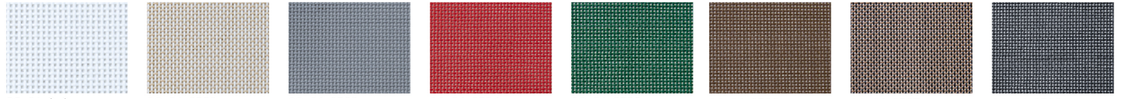
SC-E4-1507 SC-E4-1501 SC-E4-1502 SC-E4-1503 SC-E4-1504 SC-E4-1505 SC-E4-1506 SC-E4-1508



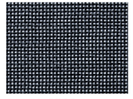
SC-E4-1509

SC-E4

Openness Factor 25%



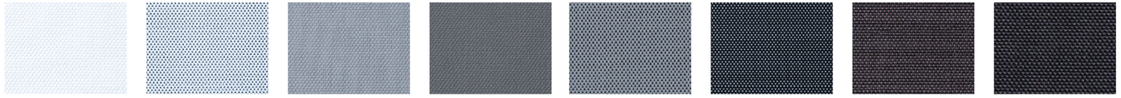
SC-E4-2501 SC-E4-2502 SC-E4-2503 SC-E4-2504 SC-E4-2505 SC-E4-2506 SC-E4-2507 SC-E4-2508



SC-E4-2509

SC-P9 PURE BLACKOUT

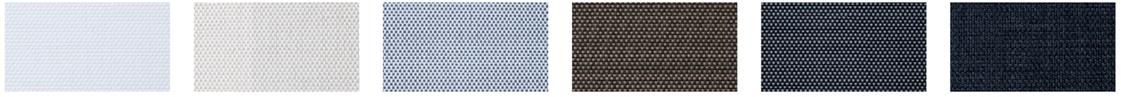
Openness Factor 0%



SC-P9-001 SC-P9-002 SC-P9-003 SC-P9-004 SC-P9-005 SC-P9-006 SC-P9-007 SC-P9-008

SC-A2

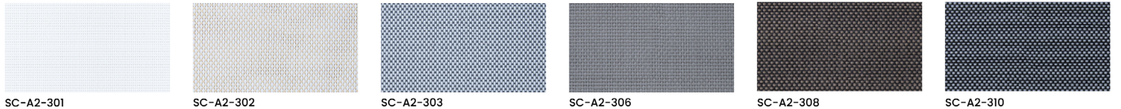
Openness Factor 1%



SC-A2-101 SC-A2-102 SC-A2-103 SC-A2-108 SC-A2-110 SC-A2-111

SC-A2

Openness Factor 3%



SC-A2-301 SC-A2-302 SC-A2-303 SC-A2-306 SC-A2-308 SC-A2-310



SC-A2-311

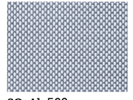
Fabric Selection

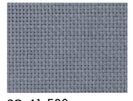
SC-A1

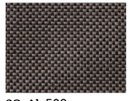
Openness Factor 5%

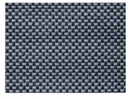

SC-A1-501

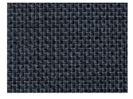

SC-A1-502


SC-A1-503

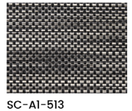

SC-A1-506


SC-A1-508


SC-A1-510

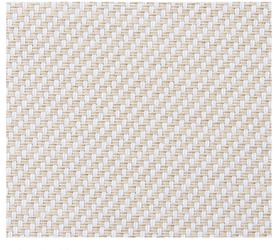

SC-A1-511

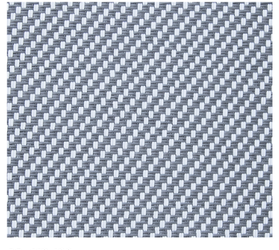

SC-A1-512

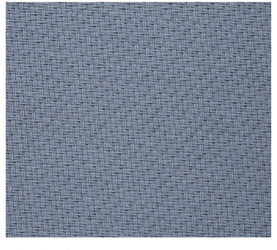

SC-A1-513

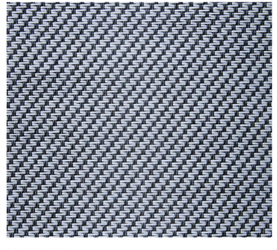
SC-A12

Openness Factor 1%


SC-A12-102


SC-A12-103

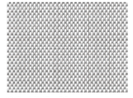

SC-A12-106

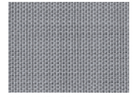

SC-A12-110

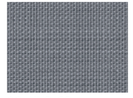
UV-RESISTANT-OUTDOOR SUNSHADING FABRIC

SC-UV2

Openness Factor 0% 1% 3% 5%


SC-UV2-01

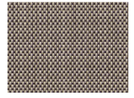

SC-UV2-02

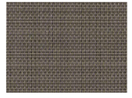

SC-UV2-03


SC-UV2-04


SC-UV2-9


SC-UV2-05


SC-UV2-06

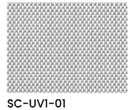

SC-UV2-07

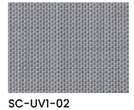

SC-UV2-08

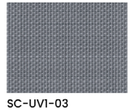

SC-UV2-10

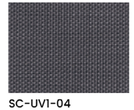
SC-UV1

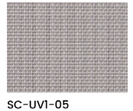
Openness Factor 1% 5%

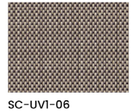

SC-UV1-01

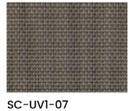

SC-UV1-02

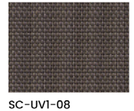

SC-UV1-03

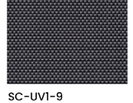

SC-UV1-04


SC-UV1-05


SC-UV1-06


SC-UV1-07

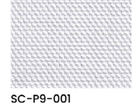

SC-UV1-08

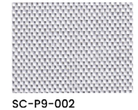

SC-UV1-9

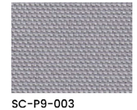

SC-UV1-10

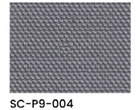
SC-P9 PURE BLACKOUT

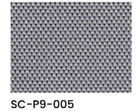
Openness Factor 0%

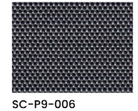

SC-P9-001

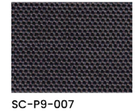

SC-P9-002


SC-P9-003


SC-P9-004


SC-P9-005

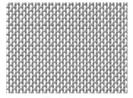

SC-P9-006

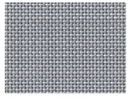

SC-P9-007

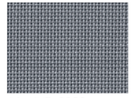
SC-P9-008

SC-UV5

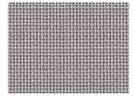
Openness Factor 20%

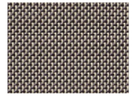

SC-UV5-2001


SC-UV5-2002


SC-UV5-2003

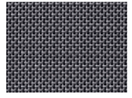

SC-UV5-2004


SC-UV5-2005


SC-UV5-2006


SC-UV5-2007


SC-UV5-2008


SC-UV5-2009

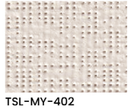

SC-UV5-2010

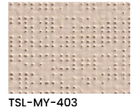
TESLA SERIES-OUTDOOR SUNSHADING FABRIC

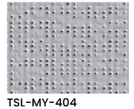
TSL-MY

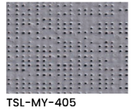
Openness Factor 4%

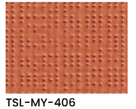

TSL-MY-401

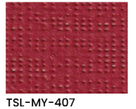

TSL-MY-402

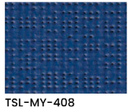

TSL-MY-403

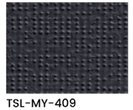

TSL-MY-404


TSL-MY-405


TSL-MY-406


TSL-MY-407


TSL-MY-408


TSL-MY-409

TSL-M3

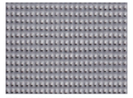
Openness Factor 14%

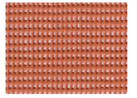

TSL-M3-1401

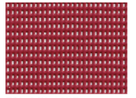

TSL-M3-1402

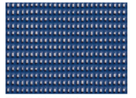

TSL-M3-1403

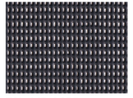

TSL-M3-1404


TSL-M3-1405


TSL-M3-1406


TSL-M3-1407


TSL-M3-1408


TSL-M3-1409

DIFFERENT OPENNESS FACTORS

The open texture of fabric embodies aesthetics and comfort in the opening and closing of warp and weft. The high openness factor adopts a permeable and blank weave, allowing the breeze to pass freely with lightweight, pressure-free and highly breathable performance, unlocking a relaxed and comfortable experience for wearing and living. The medium openness factor adheres to a well-proportioned weave balance, precisely balancing transparency and compactness, taking into account the practicality of ventilation without wind leakage and a gentle and delicate texture, suitable for all-scenario daily use. The low openness factor relies on dense and tight interweaving to converge texture and lock in warmth, resisting wind and cold with durable and steady quality, presenting a thick yet non-oppressive temperament. With diverse weaving openings, the three factors interpret the fabric's multiple textures from relaxed transparency and balanced gentleness to calm steadiness, and define the natural and comfortable aesthetics of textiles.

