

pergola 90°

MS DESIGN
BESPOKE LIVING AND DECOR

GIVING OUTDOOR SPACES THE ATTENTION THEY DESERVE

There is a place outside every home – a terrace, a garden, a lawn deserve the same thought and craft as any room inside.
 Protection from the heat when the sun is strong. Natural light when you want it.
 A connection to the outdoors that stays comfortable through the seasons.

MS DESIGN IS SUSTAINABILITY

“Built for how you actually live outside”



We work exclusively with manufacturers that operate on 100% renewable energy.



Our structural profiles are manufactured from recycled aluminium – material that can be reclaimed and used again.



We are committed to progressively eliminating single-use plastics across our full product range.



We specify FSC-certified materials wherever possible – including the papers used in this brochure.

pergola 90°

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ADVANTAGES OF MS DESIGN PRODUCTS



ENJOY OUTDOOR AREAS



ALL SEASON PROTECTION



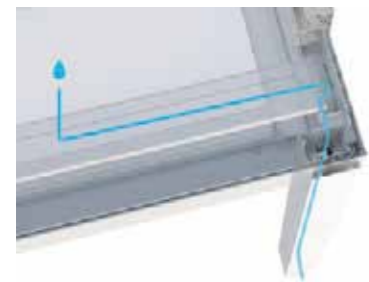
DESIGN - TECHNOLOGY

Our 90° pergola systems

Introduction

Our 90° pergola range offers three distinct systems – Azimut, Zenit, and Lani – each engineered with a fully horizontal roof structure. No slope required for water drainage. Clean lines from every angle.

Azimut	Zenit	Lani
<p>The Azimut is defined by its horizontal beams, perpendicular to the posts – a structure that needs no tilt to manage water. Rainwater is directed inward to the frame and out through the posts. A patented Inner Guide system allows full integration of lateral zip drop screens in shading, blackout, transparent Cristal, or insect-screen fabric – fitting flush within the structure profile.</p>	<p>The Zenit shares the same clean horizontal geometry as the Azimut, with horizontal beams perpendicular to the posts and no slope requirement. The perimeter frame incorporates a tilted inner edge – a patented Antisplash detail – that prevents water falling from the fabric into the gutter from splashing inward. Available with zip closure screens, glass doors, and a choice of LED lighting configurations.</p>	<p>The Lani is the purest expression of the range: an essential, minimalist design with a retractable blackout PVC cover. Lateral drainage is managed through the distinctive curved profile of the fabric support beams. The structure can be enhanced with integrated Spot LED lighting and, optionally, an aluminium protective roof to shield the retracted fabric pack.</p>
Benefit 1 365 DAY Year-round outdoor living	Benefit 2 ALL-SEASON PROTECTION	Benefit 3 DESIGN & TECHNOLOGY
<p>Our pergola systems extend the usable season of any outdoor space – comfortable shelter from spring through to winter.</p>	<p>All-season protection UV-resistant, waterproof, and engineered to the highest European wind-resistance standards. Built to perform in real conditions.</p>	<p>Clean aluminium profiles, precision-engineered components, and a finish range that integrates with any architectural palette.</p>



Water Drainage

The covering diverts rainwater towards the edge of the frame thanks to a curved system of beams that support the covering.

The gutter is built into the perimeter frame and diverts water through its posts to the ground

Solar protection

Our pergola systems measurably improve thermal and visual comfort in the spaces they shelter, reducing the heat load on adjacent buildings and eliminating harmful UV exposure beneath the cover. The blackout PVC cover achieves a solar transmittance factor of zero – complete protection on the brightest days.



Rain protection

Our covers are manufactured from PVC fabric engineered to resist water and oil penetration, frost, severe weather, and temperature extremes – ready for whatever the climate demands.



Integrated water drainage

The cover channels rainwater inward toward the perimeter frame via the curved system of fabric support beams. The gutter is built into the perimeter frame itself, and water is discharged cleanly through the posts to the ground – leaving no external pipework visible.

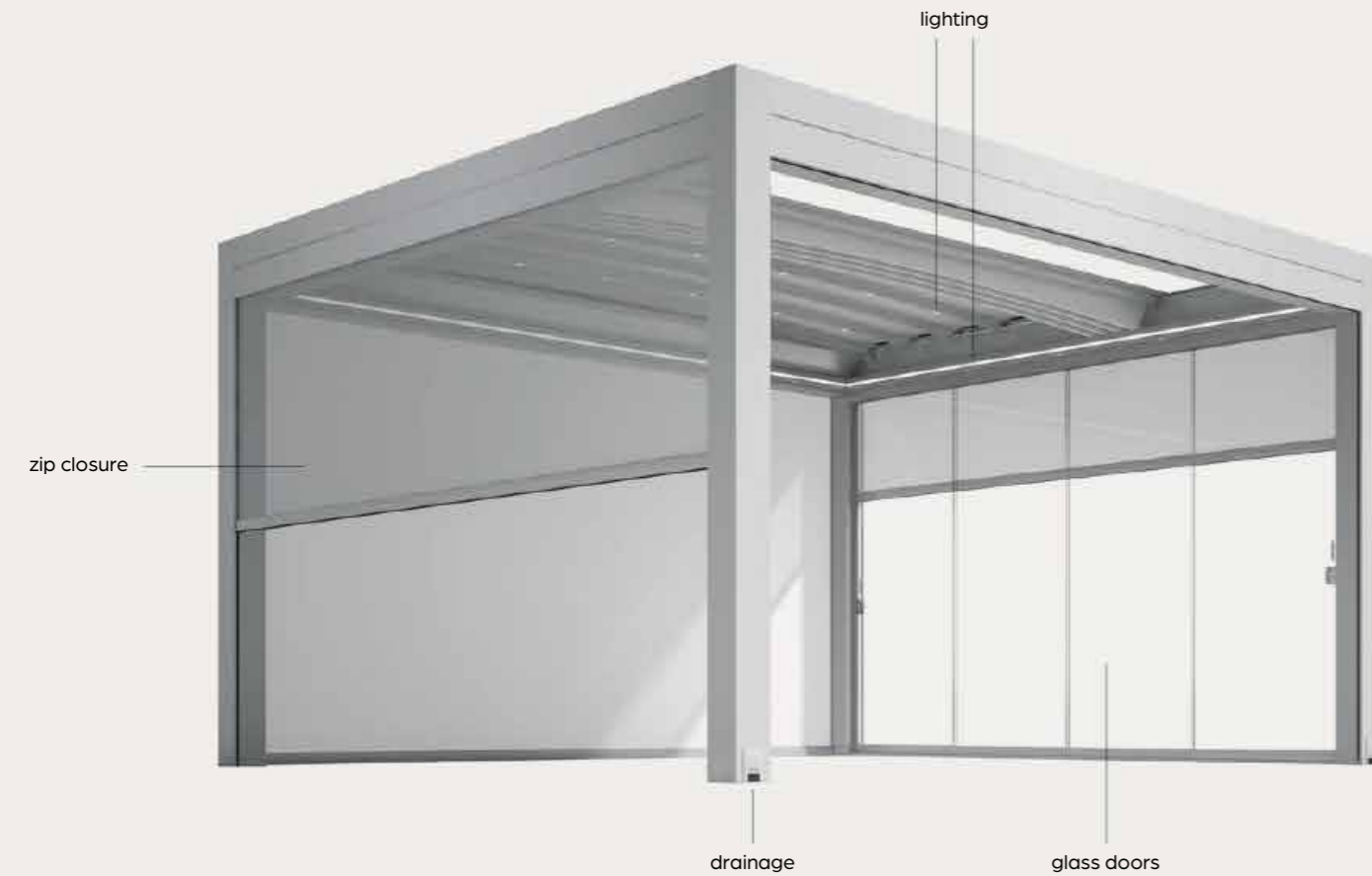


Water drainage – integrated and concealed within the structure.

Arched PVC roof,
geometric design,
virtually limitless
configuration potential.

azimut

A retractable-roof pergola with a blackout, UV-resistant, waterproof PVC fabric cover. The aluminium structure is built on horizontal beams perpendicular to the posts – no slope required for water drainage. The patented Inner Guide system integrates lateral zip screens directly within the frame profile, accommodating shading, blackout, transparent Cristal, or insect-screen fabrics with no external tracking visible. The cover channels rainwater to the perimeter frame through a curved beam system; the gutter sits within the perimeter frame and discharges through the posts. The patented Antisplash frame detail prevents water splashing inward from the gutter. Extruded aluminium profiles and aluminium die-cast components are powder coated; stainless steel fixings and nylon accessories throughout.



zenit

A retractable-roof pergola with a blackout, UV-resistant, waterproof PVC fabric cover. The horizontal aluminium frame – beams perpendicular to the posts, no slope required – channels rainwater to the perimeter gutter through the curved fabric support system, with drainage running through the posts. The patented Antisplash tilt feature on the inner frame edge prevents splashing from the gutter into the occupied space. Available with zip closure screens, Glisse glass doors, and a full selection of LED lighting configurations. Extruded aluminium profiles and aluminium die-cast components are powder coated; stainless steel fixings and nylon accessories throughout.



lani

A pergola of refined, minimalist character. The retractable cover is manufactured in blackout PVC fabric – waterproof and UV-resistant – and the lateral drainage of rainwater is managed naturally by the distinctive curved profile of the fabric support beams. The structure accepts an optional integrated Spot LED lighting system, positioned within the support profiles of the cover. An aluminium protective roof is also available as an option, shielding the retracted fabric pack when the system is open.



azimut

Pergola with retractable roof in blackout PVC fabric, resistant to UV and waterproof. The structure consists of horizontal beams, perpendicular to the posts. No slope for water drainage is required.

Moreover the patent Inner Guide permits the complete integration of the perimeter ZIP drop awnings. This solution also permits to install both glass doors for protection from the wind and blackout blinds, which are essential to avoid the greenhouse effect during the warmer months.

The roof system drains the rainwater to the perimetric structure thanks to the curved system of the cloth profiles. The gutter is integrated within the perimetric frame and the drain water to the ground is through the posts. The perimetric frame is patented Anti-Splash, which means that the up and over side prevents the rainwater, which falls from the cloth to the gutter, from spurting inside the pergola. Aluminium profiles and aluminium die cast parts are powder coated. Stainless steel screws and nylon accessories.



azimut

Commercial: restaurant

Location: available on request

Products: self-bearing island with integrated LED lighting, Glisse glass doors and Zip closures



zenit

Residential: private property
Location: available on request
Products: self-bearing island

zenit

A retractable-roof pergola with a blackout, UV-resistant, waterproof PVC fabric cover. The aluminium structure is built on horizontal beams perpendicular to the posts – no slope required for water drainage. The patented Inner Guide system integrates lateral zip screens directly within the frame profile, accommodating shading, blackout, transparent Cristal, or insect-screen fabrics with no external tracking visible. The cover channels rainwater to the perimeter frame through a curved beam system; the gutter sits within the perimeter frame and discharges through the posts. The patented Antisplash frame detail prevents water splashing inward from the gutter. Extruded aluminium profiles and aluminium die-cast components are powder coated; stainless steel fixings and nylon accessories throughout.



Iani

A pergola of refined, minimalist character. The retractable cover is manufactured in blackout PVC fabric – waterproof and UV-resistant – and the lateral drainage of rainwater is managed naturally by the distinctive curved profile of the fabric support beams. The structure accepts an optional integrated Spot LED lighting system, positioned within the support profiles of the cover. An aluminium protective roof is also available as an option, shielding the retracted fabric pack when the system is open. A pergola of refined, minimalist character. The retractable cover is manufactured in blackout PVC fabric – waterproof and UV-resistant – and the lateral drainage of rainwater is managed naturally by the distinctive curved profile of the fabric support beams. The structure accepts an optional integrated Spot LED lighting system, positioned within the support profiles of the cover. An aluminium protective roof is also available as an option, shielding the retracted fabric pack when the system is open.



Iani

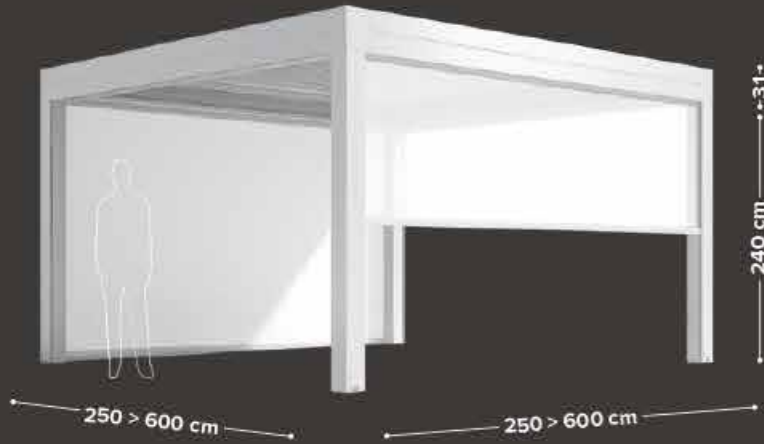
Typology: private house

Location: Italy

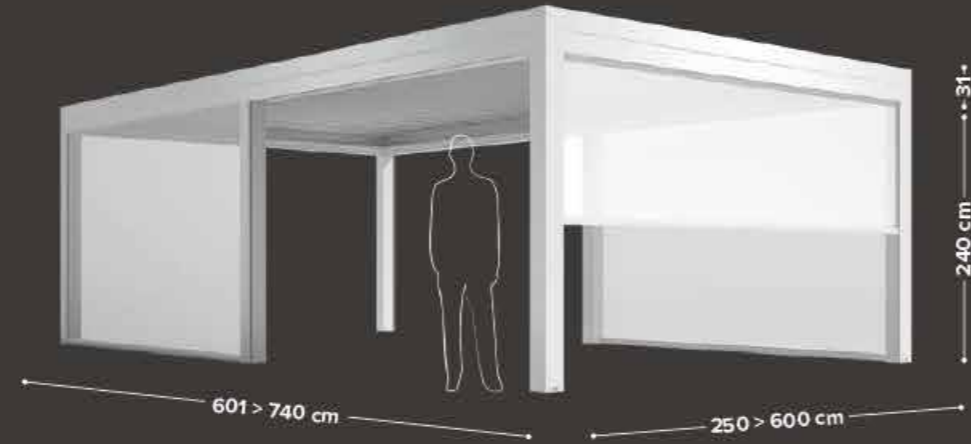
Products: self-bearing

CONFIGURATIONS azimut

ISLAND
single module 4 posts

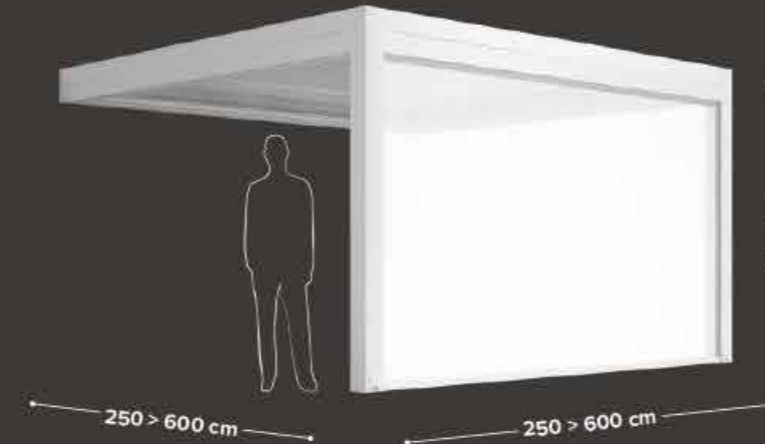


ISLAND
single module 6 posts

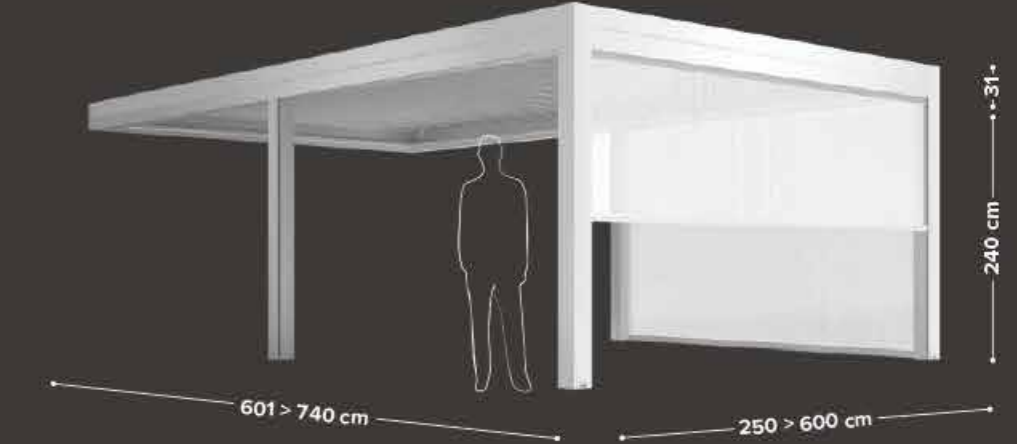


CONFIGURATIONS azimut

FRONT LEANING
single module 2 posts



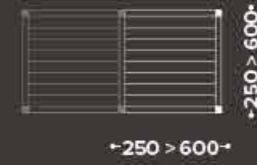
FRONT LEANING
single module 4 posts



ISLAND
coupled module 2 posts



ISLAND
coupled module 2 posts



ISLAND
coupled module 4 posts



ISLAND
coupled module 3 posts



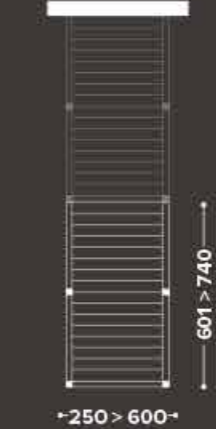
FRONT LEANING
single module 2 posts



FRONT LEANING
single module 1 post



FRONT LEANING
single module 4 posts

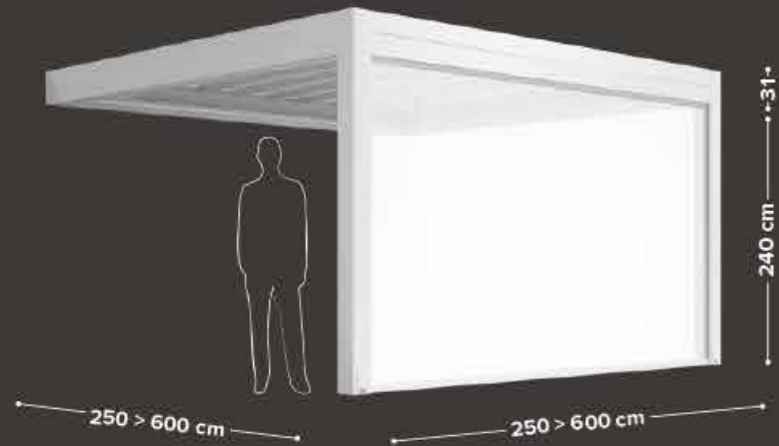


FRONT LEANING
single module 2 posts



CONFIGURATIONS azimut

LATERAL LEANING
single module 2 posts

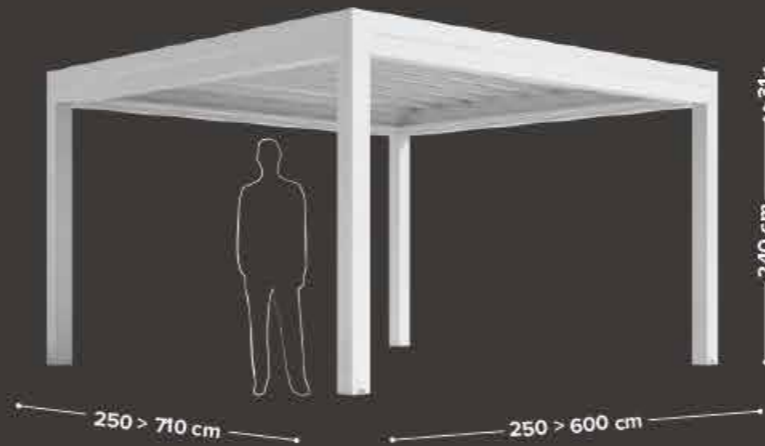


LATERAL LEANING
single module 3 posts

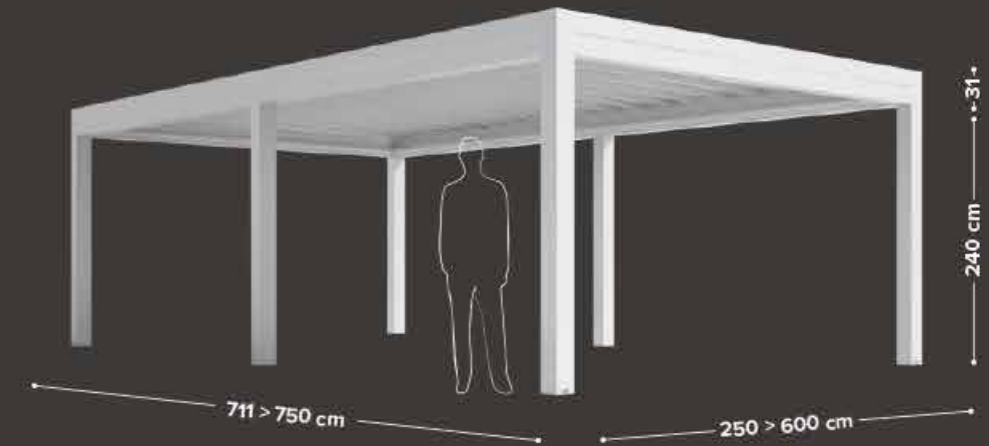


CONFIGURATIONS zenit

ISLAND
single module 4 posts



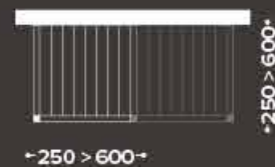
ISLAND
single module 6 posts



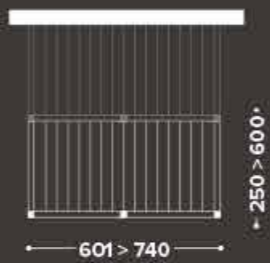
LATERAL LEANING
single module 2 posts



LATERAL LEANING
single module 1 post



LATERAL LEANING
single module 3 posts



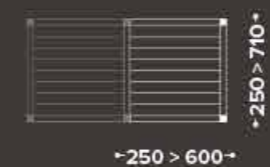
LATERAL LEANING
single module 2 posts



ISLAND
single module 2 posts



ISLAND
single module 2 posts



ISLAND
single module 4 posts

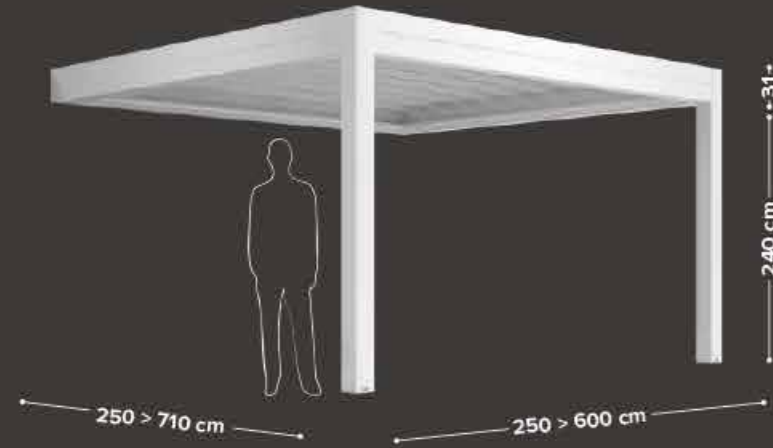


ISLAND
single module 3 posts

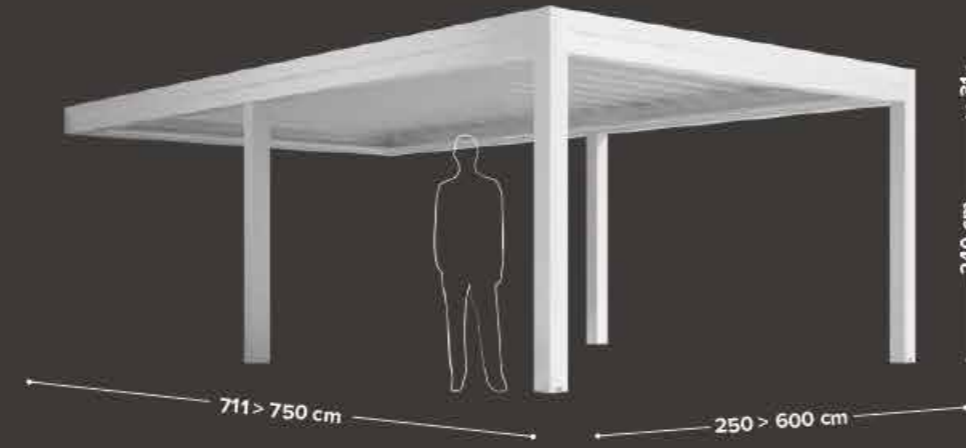


CONFIGURATIONS zenit

FRONT LEANING
single module 2 posts

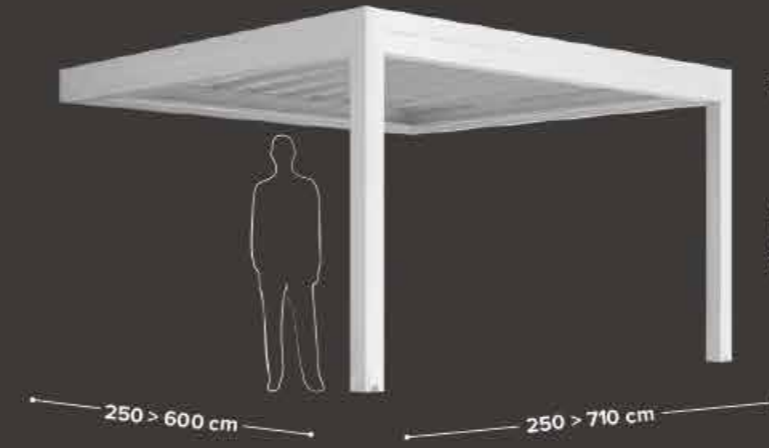


FRONT LEANING
single module 4 posts



CONFIGURATIONS zenit

LATERAL LEANING
single module 2 posts



LATERAL LEANING
single module 3 posts



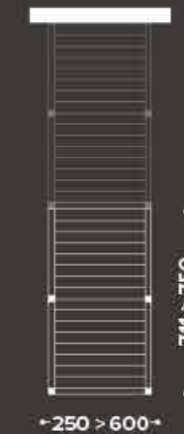
FRONT LEANING
single module 2 posts



FRONT LEANING
single module 1 post



FRONT LEANING
single module 4 posts



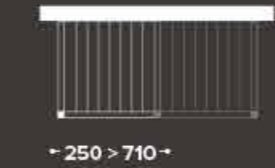
FRONT LEANING
single module 2 posts



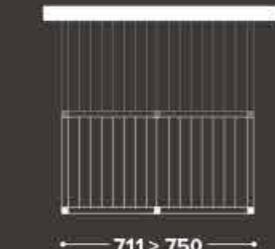
LATERAL LEANING
single module 2 posts



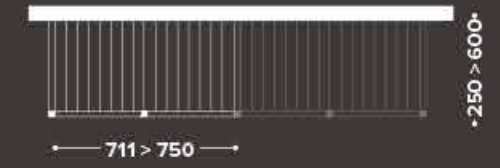
LATERAL LEANING
single module 1 post



LATERAL LEANING
single module 3 posts



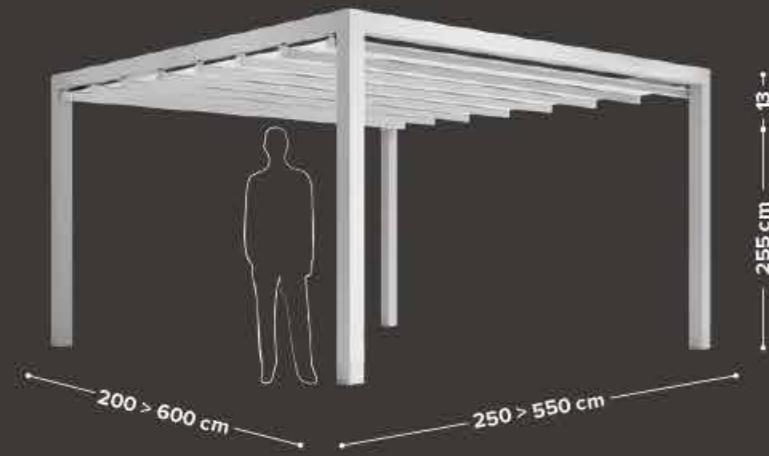
LATERAL LEANING
single module 2 posts



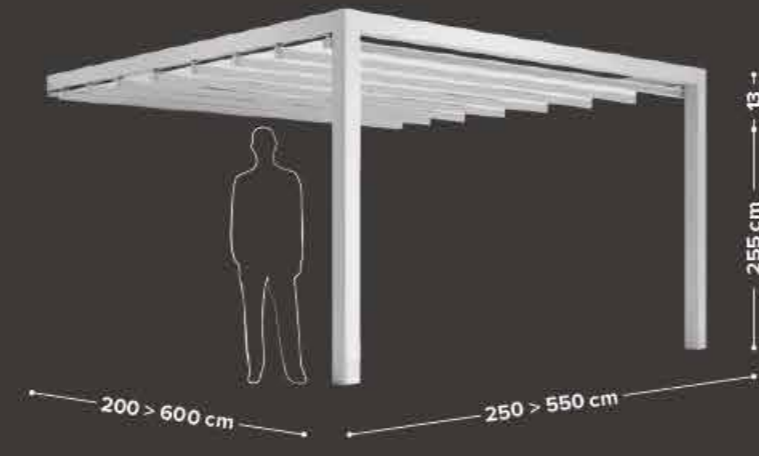
CONFIGURATIONS

Iani

ISLAND
single module 4 posts



ISLAND
single module 2 posts





ACCESSORIES

deck – modular flooring system

A retractable-roof pergola with a blackout, UV-resistant, waterproof PVC fabric cover. The aluminium structure is built on horizontal beams perpendicular to the posts – no slope required for water drainage. The patented Inner Guide system integrates lateral zip screens directly within the frame profile, accommodating shading, blackout, transparent Cristal, or insect-screen fabrics with no external tracking visible. The cover channels rainwater to the perimeter frame through a curved beam system; the gutter sits within the perimeter frame and discharges through the posts. The patented Antisplash frame detail prevents water splashing inward from the gutter. Extruded aluminium profiles and aluminium



die-cast components are powder coated; stainless steel fixings and nylon accessories throughout.

soft – draped curtain system

Soft is a draped curtain designed to add shade, privacy, and warmth to the space beneath the pergola. Made from Parà Tempotest fabric, it runs smoothly along the track rail via integrated hooks and sliders. Available as a single panel up to 290 cm in height, or as a two-panel system for widths beyond 350 cm. Coordinated fabric ties and spare accessories are included as standard. The result is a soft, tactile layer of enclosure – warm in aesthetic, precise in function.



ACCESSORIES

glisse glass doors

Glisse is our sliding glass door system – finished to a high standard and specified with materials chosen for durability and clarity. Panels are manufactured in tempered safety glass (10 or 12 mm) available in standard, extra-clear, satin, mirrored, or smoked glass. The powder-coated aluminium frame works in conjunction with silver anodised aluminium track rails; each panel glides on parallel rails via twin carriages for smooth, quiet, and effortless movement. Configurations are available in 2, 3, 4, and 5 tracks, with up to 10 panels, and with either lateral or central opening. Aluminium handles are supplied as standard on the inner face, with external handles available as an option. Track rails are designed to manage condensate drainage. Noise insulation up to 19 dB.

Standard finish: White RAL 9010 Satin. Alternative finishes – see frame colour reference on page 32.

Anodised rail: Lower rail and tracks in silver anodised aluminium.



SIDE OPENING

2 panels / 2 tracks
min. W cm 125
max. W cm 300



3 panels / 3 tracks
min. W cm 179
max. W cm 440



4 panels / 4 tracks
min. W cm 232
max. W cm 600



5 panels / 5 tracks
min. W cm 286
max. W cm 720



CENTRAL OPENING

4 panels / 2 tracks
min. W cm 245
max. W cm 600



6 panels / 3 tracks
min. W cm 352
max. W cm 860



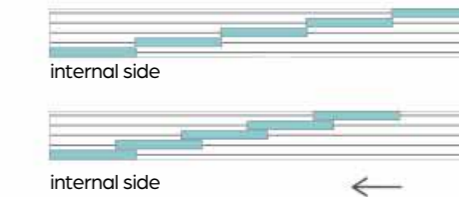
8 panels / 4 tracks
min. W cm 459
max. W cm 1160



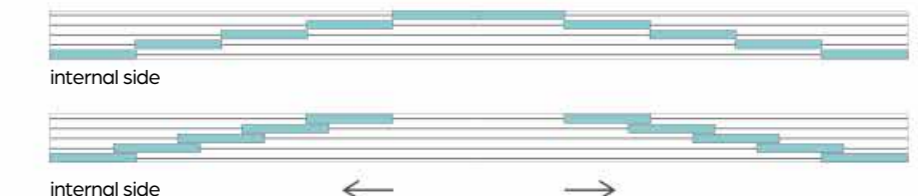
10 panels / 5 tracks
min. W cm 566
max. W cm 1280



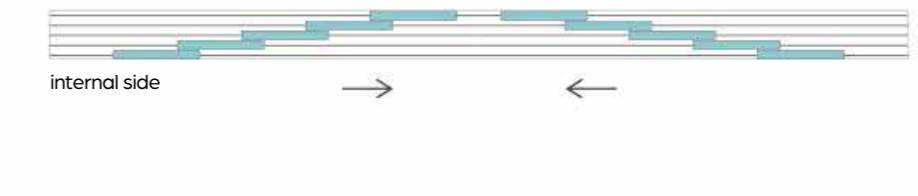
Folding panels – side opening



Side folding panels – central opening



Central folding panels – central opening



Dragging handle

Rectangular anodised aluminium dragging handle – supplied as standard on the inner face. Optional additional handle on the outer face.



Lock (optional)

Lock with knob on the inner face, brass satin finish. Lock with key on outer face and inner dragging knob, satin steel effect.



Track rails and seals

Anodised aluminium track rails. Sealing gaskets fitted between panels as standard to improve weather resistance.



Lower locking (optional)

Single lever in silver (inner face only), or double lever in silver (inner and outer faces).

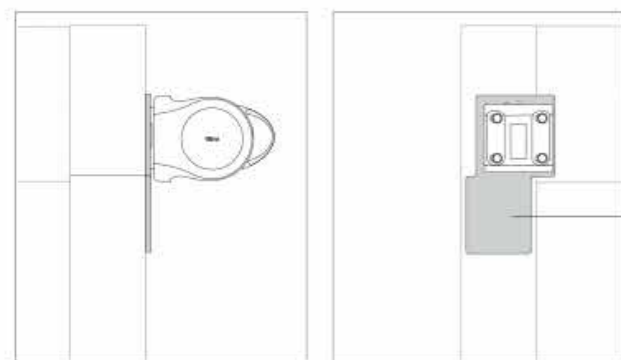
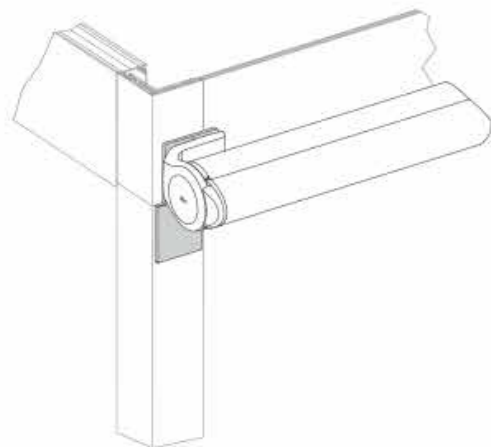


ACCESSORIES

integrated arm awnings

Our arm awning fixing system allows compatible arm awning models to be mounted directly to the pergola structure via stainless steel brackets finished to match the frame. Maximum dimensions: 590 cm width x 200 cm projection. The fixing system must be specified at the point of order. Compatible with: Azimut, Zenit.

DUCK arm awning



sulla pergola / fixing bracket

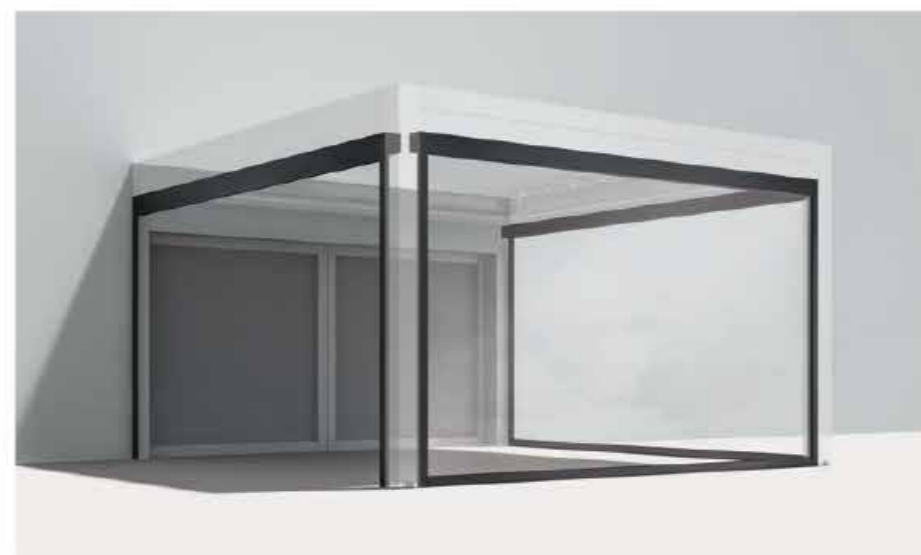


Arm awning on pergola - integrated fixing bracket system

ACCESSORIES

zip screens

Our zip screen range provides a clean, lateral enclosure solution for pergolas, with multiple profiles available to suit different aperture sizes and performance requirements. All models feature zip-track technology for a smooth, draught-free seal on both edges of the screen. Fabric options include blackout, shading, transparent Cristal, and insect screen - with dimension limits varying by the chosen fabric. Compatible with: Zenit.



CLICK ZIP 9
profile W 9.2cm
max. W up to cm 300

height
up to cm 240



CLICK ZIP 11
profile W 11cm
max. W up to cm 400

height
up to cm 380



CLICK ZIP 13
profile W 13cm
max. W up to cm 500

height
up to cm 400



CLICK ZIP 15
profile W 15cm
max. W up to cm 700

height
up to cm 480



CLICK ZIP TWIN
profile W 13cm x 2
(25cm combined)
max. W up to cm 480

height
up to cm 320



CLICK ZIP TWIN BG
profile W 13cm x 2
(25cm combined)
max. W up to cm 480

height
up to cm 320

ACCESSORIES

lighting systems

Our 90° pergola systems are designed to extend outdoor time beyond sunset. The integrated LED lighting range has been developed specifically for these structures – positioned to illuminate from every angle, using low-energy technology with colour temperature options to suit the mood and the setting.

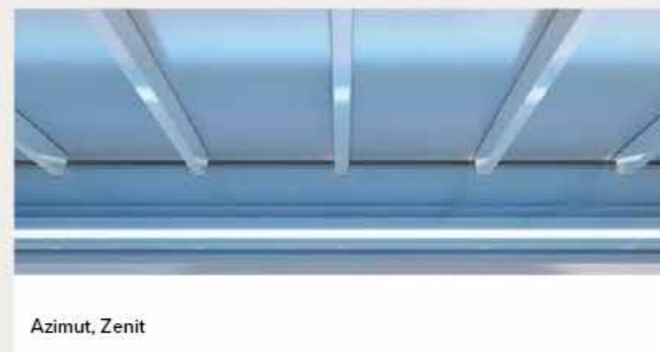
LED lighting is available in WHITE (4,000 K), with warm light options at approximately 2,700 K or 3,000 K available on request. All lighting systems integrate as standard with Somfy IO-Homecontrol® or RTS controls, allowing dimmer-controlled intensity adjustment. Power supply boxes and mains connection cables are supplied to complete the installation.



Azimut, Zenit



Azimut, Zenit, Lani



Azimut, Zenit

Azimut, Zenit

LED Spotlights – integrated in gutter

Rectangular LED spotlights integrated within the internal perimeter gutter, on each side. Positioned every 50 cm. Each spotlight: 3 Watts.

Azimut, Zenit, Lani

LED Spotlights – integrated in cross-support beams

Individual LED spotlights integrated within the intermediate section bars, positioned every 50 cm. Each spotlight: 2.5 Watts.

Azimut, Zenit

LED Spotlights – integrated in cross-support beams

LED strip along the internal perimeter – projects even, ambient light inward. Fixed single colour or continuous colour variation via remote control.

ACCESSORIES

heating systems

Outdoor living should not stop when the temperature drops. Whether it is a private terrace or a commercial hospitality setting, our intelligent heating systems make the space comfortable through the colder seasons – without compromise.

Our heating systems feature electronic safety controls, intuitive on/off operation, optimised energy consumption, straightforward installation, and flexible heat distribution.

Hot-Top – product detail

Hot-Top is an infra-red heater of understated design – no visible light, no glare. It operates on long-wave IR-C technology, delivering a deep, enveloping warmth to both the space and the people within it. Constructed from 6060 aluminium, with the radiant element anodised to resist weathering and environmental exposure. Wall or ceiling mounting. Optional dimmer remote control with three power settings. Available in black: 1,800 W, 2,400 W, and 3,200 W.



TECHNICAL DATA

frame colours

Our aluminium profiles undergo a multi-stage pre-treatment process that cleans the surface and seals the coating bond – slowing the effects of weathering and salt air exposure. Powder coating delivers additional corrosion protection and mechanical resilience. All frame finishes carry Qualicoat certification.

Availability: For current colour availability and compatibility, please contact MS Design.



fabric colours

Our standard fabric is manufactured in blackout OPATEX PVC with a high UV protection rating and a solar transmittance factor of zero. The external face is finished with an anti-dust acrylic coating; the inner face has a textile-effect embossed surface. Available in two single-colour options and six two-colour combinations.

	white	champagne
solar transmission	0	0
solar reflection	72%	63%
solar absorption	28%	37%

EXTERNAL SIDE
INTERNAL SIDE



Customer information

From September 2013, European Regulation 528/2012 governing the placing on the market and use of biocidal products has been in force. These include antimycotic agents. Some of the fabrics used in our products undergo this treatment. For further information, please contact MS Design or visit www.msdesignni.com

motorization and automation

Our motorised systems are powered by Somfy® – a trusted name in precision automation. The motors sit invisibly inside the roller unit, sized to the weight and dimensions of the fabric. Automated operation adds comfort and protects the structure from the unexpected.

The Sunteis IO sun sensor reads solar intensity and opens or closes the fabric independently – responsive, intelligent, and unaffected by passing cloud. When the Eolis Wirefree IO wind sensor detects rising wind speeds, the system retracts the fabric automatically – monitoring conditions continuously and managing the pergola’s response, even when you are not on site.



WHY OUR SYSTEMS PERFORM

From the fabric to the finest structural component, every element in our range is specified for performance and longevity. That means excellence in materials, in mechanisms, and in the finish quality your clients will see and feel every day.

- CE/UKCA marked – compliant with European standard EN 13561 and tested against it
- All systems tested and certified to wind resistance Class 4 (Azimut, Zenit, Lani)
- Structural aluminium alloy frame
- Stainless steel hardware
- Chromate-treated aluminium to protect concealed and internal components from environmental exposure

Fabric Quality

Our fabric range offers over 600 designs, coordinated across the full product range. Every configuration can be tailored like a made-to-measure garment.

- TEFLON-treated fabrics – resistant to sun, rain, smog, and mould

- TENARA® thread seams – guaranteed 10 years against wear
- Blackout PVC options for total sun and rain protection
- New-generation polyester fabrics for enhanced performance
- Screen and Soltis options for sun protection without sacrificing daylight

Five-year guarantee statement

We stand behind every system we supply with a five-year product guarantee. Full terms and conditions are set out in the use and maintenance documentation supplied with each product.

Certification and quality management statement

ISO 9001 certification confirms our quality management system meets a recognised standard of excellence. ISO 45001 certification demonstrates our commitment to the health and safety of every person involved in bringing our products to market.

PRODUCT CHART

Key: = Standard • = Available on request – = Not available

Technical Characteristics	Azimut	Zenit	Lani
Bespoke sizing	Yes	Yes	Yes
Maximum module size	600 × 740cm	600 × 750cm	550 × 600cm
Standard bridging height	240cm	240cm	255cm / 227cm undercover
Post dimensions	17 × 17cm	15 × 15cm	13 × 13cm
Frame height	31cm	31cm	13cm
Configurations	Self-bearing, front leaning, side leaning, coupled	Self-bearing, front leaning, side leaning, coupled, wall	Self-bearing, front leaning
Modularity	Yes	Yes	–
Motorisation	24W, standard, radio, IO motor	24W, standard, radio, IO motor	Standard, radio, IO motor
Remote control	Radio, IO	Radio, IO	Radio, IO
Fabric closing mode	Folding (retractable)	Folding (retractable)	Folding (retractable)
Integrated water drainage	✓	✓	–
Fabric type	PVC Opatex, Soltis W, PVC 302	PVC Opatex, Soltis W, PVC 302	PVC Opatex, Soltis, PVC 302
Wind resistance certification	Class 4	Class 4	Class 4
Registered design	✓	✓	–
Certification	Azimut	Zenit	Lani
Qualicoat powder coating	✓	✓	✓
CE / UKCA EN 13561 – CPR 305/11 – Machine Directive 2006/42/EC	✓	✓	✓
Fabric Gtot – UNI EN 14501	✓	✓	✓
Structural calcs – Eurocodes and NTC 2018–CNR	✓	✓	✓
Seismic resistance – NTC 2018–CNR	✓	✓	✓
LED lighting – EN 60598	✓	✓	✓
LED safety – EN 62031	✓	✓	✓
Qualanod quality label	✓	✓	✓

Warranties and Patents	Azimut	Zenit	Lani
5-year warranty	✓	✓	✓
Patents	Quick assembly, fast coupling, weather strip, Inner Guide, Antisplash, quick block	Quick assembly, fast coupling, weather strip, Antisplash, quick block	Fast coupling, quick block, weather strip
Traceability hologram	✓	✓	✓
Accessories	Azimut	Zenit	Lani
Heating systems	•	•	•
Integrated audio	•	•	–
Zip screens	•	•	–
Glass doors	•	•	–
LED lighting type	Spotlights (gutter + beams), RGB Strip LED	Spotlights (gutter + beams), RGB Strip LED	Spotlights (beams only)
LED colour temperature	4,000 K / 2,700–3,000 K (warm, on request)	4,000 K / 2,700–3,000 K (warm, on request)	4,000 K / 2,700–3,000 K (warm, on request)
Protective roof	–	–	•
Stainless steel bearings	•	•	•
Sun sensor	•	•	–
Wind detector	•	•	•
Electronic de-icing	•	•	–
Smart device / domotics interface	Y	Y	Y
Misting system	Y	Y	Y
Materials and Finishes	Azimut	Zenit	Lani
Frame material	Aluminium	Aluminium	Aluminium
Fixings	Stainless steel	Stainless steel	Stainless steel
Powder coating range	See frame colour reference, page 32	See frame colour reference, page 32	See frame colour reference, page 32

pergola 90°

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