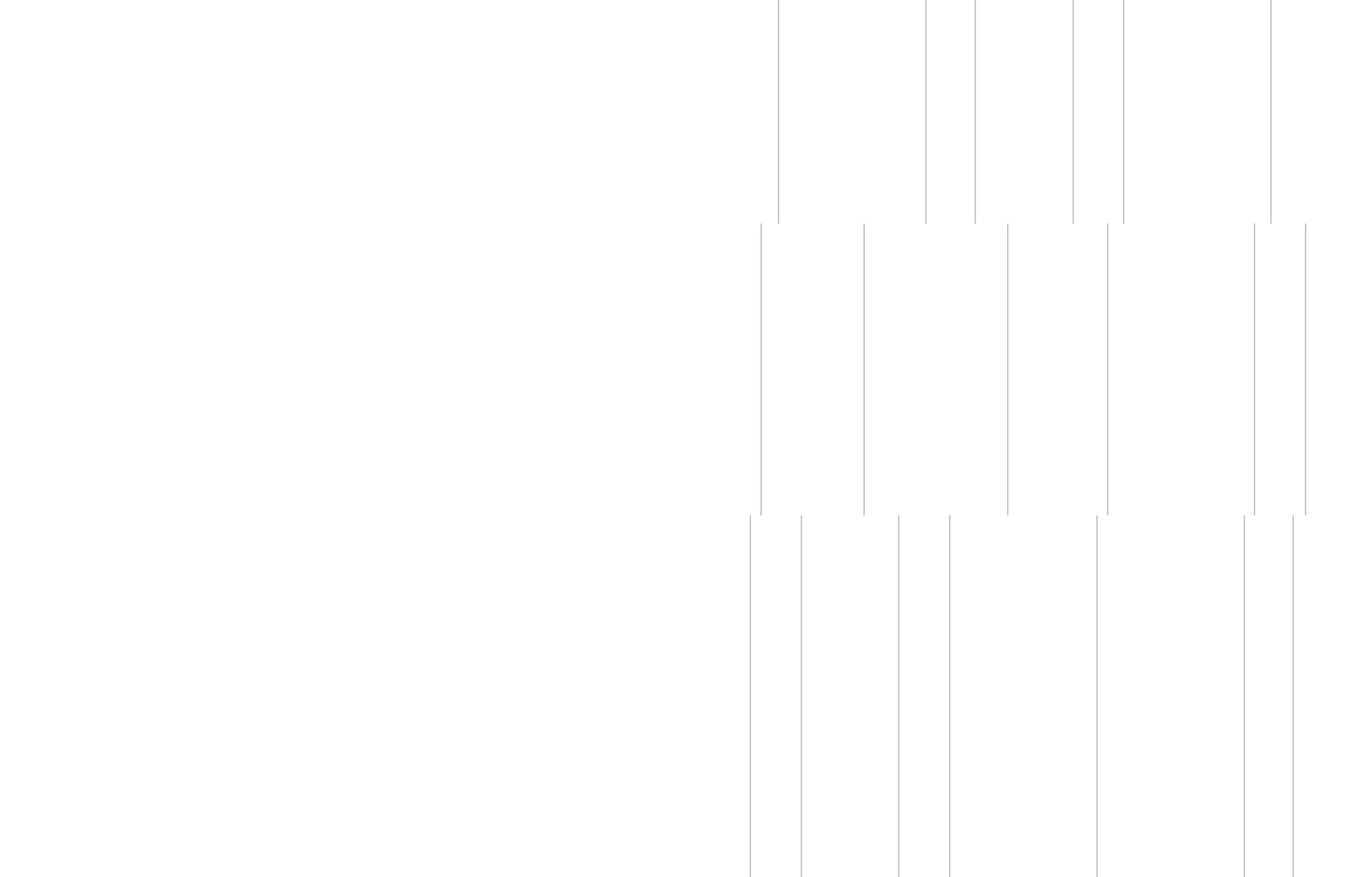


SUNTECH
PRIVÉE

TECHNICAL LT
2021^{PLUS}



The unique new generation architectural outdoor solutions with minimalist forms

Privée serie’s extensive contemporary collection incorporates high-tech version of outdoor solutions and can be configured to fit and cover various types of areas such as restaurants, terraces, balconies either private or commercial.

Privée serie is designed to present perfect combination of luxury and functionality with its distinctive visual lines. It is composed of customized and stylish retractable systems by creating distinction in outdoor living areas to be used in any weather conditions.



Privée Serie

009 Aerolux

047 Exxen

089 Axis

127 Axis Max

165 Rota

201 Quattro

Privée Serie

AEROLUX



An innovated bioclimatic pergola system with full-automatic tilting / retractable aluminum louvres

AXIS



A stylish modern system with tilting louvres

ROTA



Smart aluminum louvered roof system with rotational motion function

EXXEN



Elegant retractable bioclimatic system with extended dimensions

AXIS MAX



An ultimated tilting system option for large area coverings

QUATTRO



Exclusive high-tech version of pergola model is composed of a high grade structural aluminium frame and retractable blackout fabric

MORE LUXURY...
MORE PROJECTS...





AEROLUX

Innovative, modern and functional outdoor patio solution...

Aerolux is an innovated bioclimatic pergola system with full-automatic tilting / retractable aluminum louvres and provides excellent protection from the sun, rain all the while providing beneficial ventilation.

Aerolux bioclimatic pergola system is a modern choice that adds value to outdoor living areas, it brightens the look of home, restaurant, hotel or cafes with a touch of luxury. The system is designed to be adapted any kind of outdoor living areas and provides exceptional quality of life in the open air with a high degree of visual and thermal comfort.

The louvres in dimensions 180x40 mm are made from a special aluminum alloy which ensures exceptional strenght. They form a flat and smooth ceiling and drain the rainwater to the discrete gutter in fully closed position.

The construction of the system with 160x160 mm post allows a high degree of resistance to strong winds and wide span between support columns. Possibility of installation as self standing makes this pergola a sustainable solution for terraces, patios, balconies, pool houses, hot tubs and outdoor kitchens. Several modules can be linked to each other and even larger patio roof can be created by coupling multiple modules lengthwise.

■ Led Stripe Dimmer Lighting

■ RGB Led-Hidden Stripe Lighting



Led Stripe Dimmer Ligting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinitive colour options.

Retractable & Tilting Version

Fully Closed



Retracted



Retracted & Tilted



Tilting Version

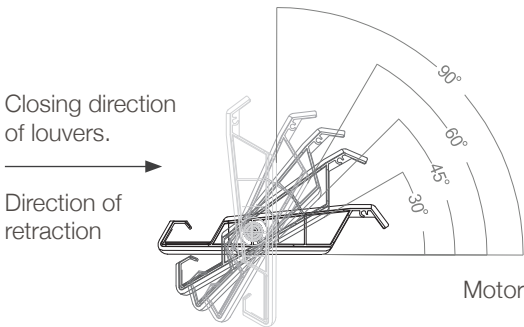
Fully Closed



Tilted



Louvre Closing Direction



Tilting Directions



Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



Self Standing
Single Module



Wall Mounting
Single Module



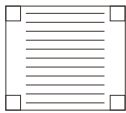
Self Standing
Multiple Modules



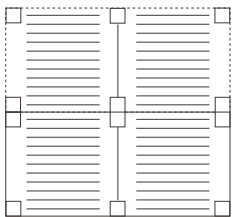
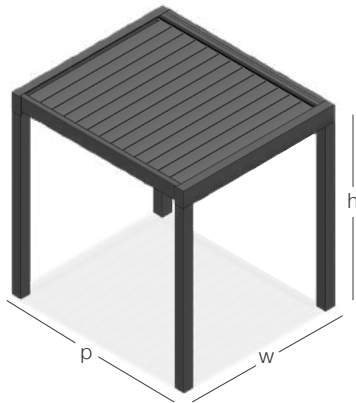
Wall Mounting
Multiple Modules



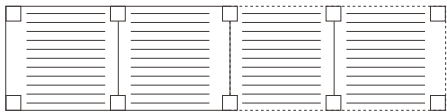
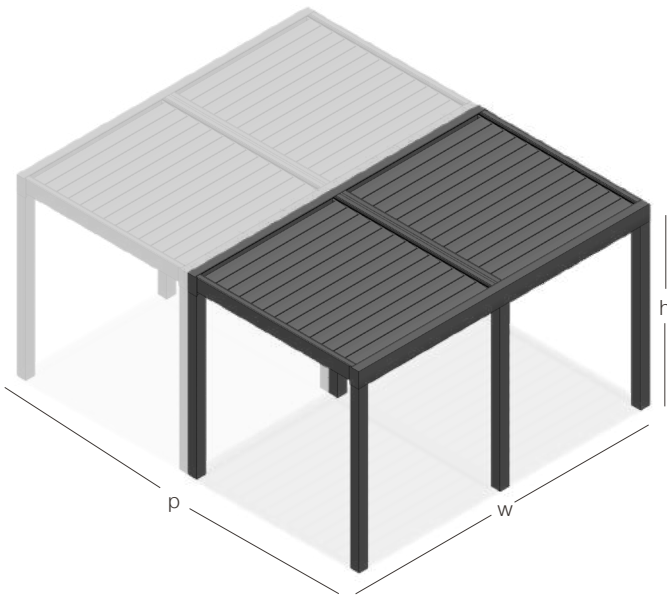
Blocked assembly for customized modules with a wide range of flexible combinations.



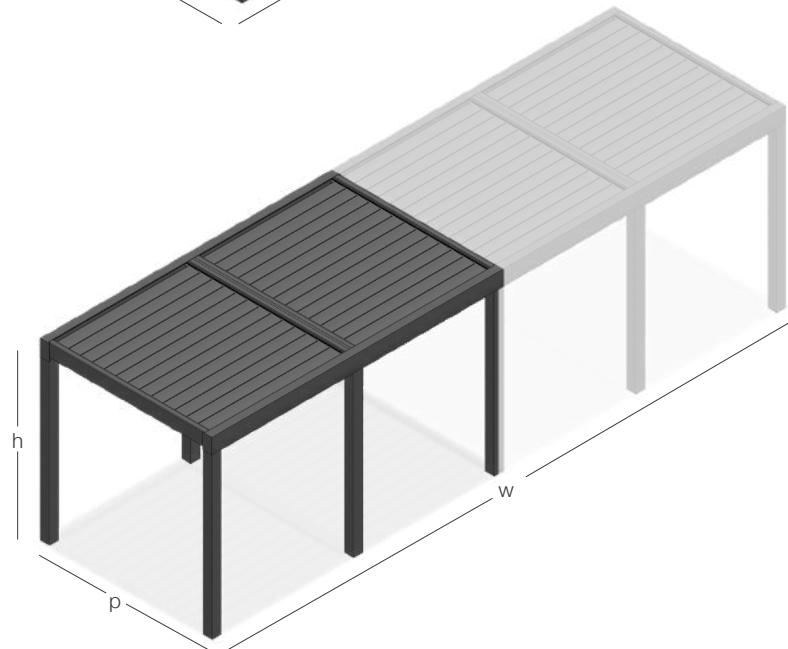
(w) Width
1800 mm < 4000 mm
(p) Projection
1569 mm < 6054 mm
(h) Height
3000 mm



(w) Width
3600 mm < 8000 mm
(p) Projection
3138 mm < 12108 mm
(h) Height
3000 mm



(w) Width
7200 mm < 16000 mm
(p) Projection
1569 mm < 6054 mm
(h) Height
3000 mm

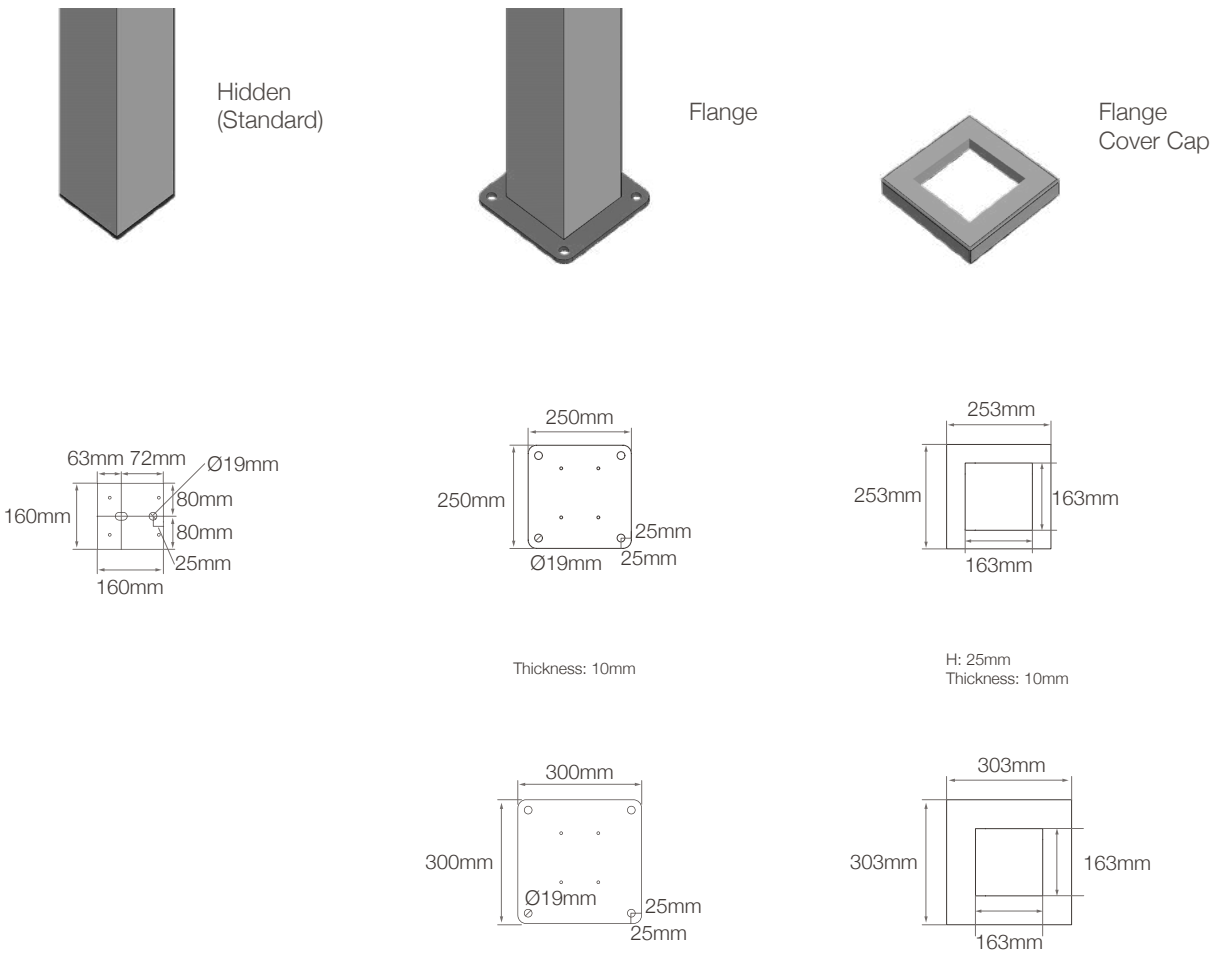


Intra-Column Drainage Pipe

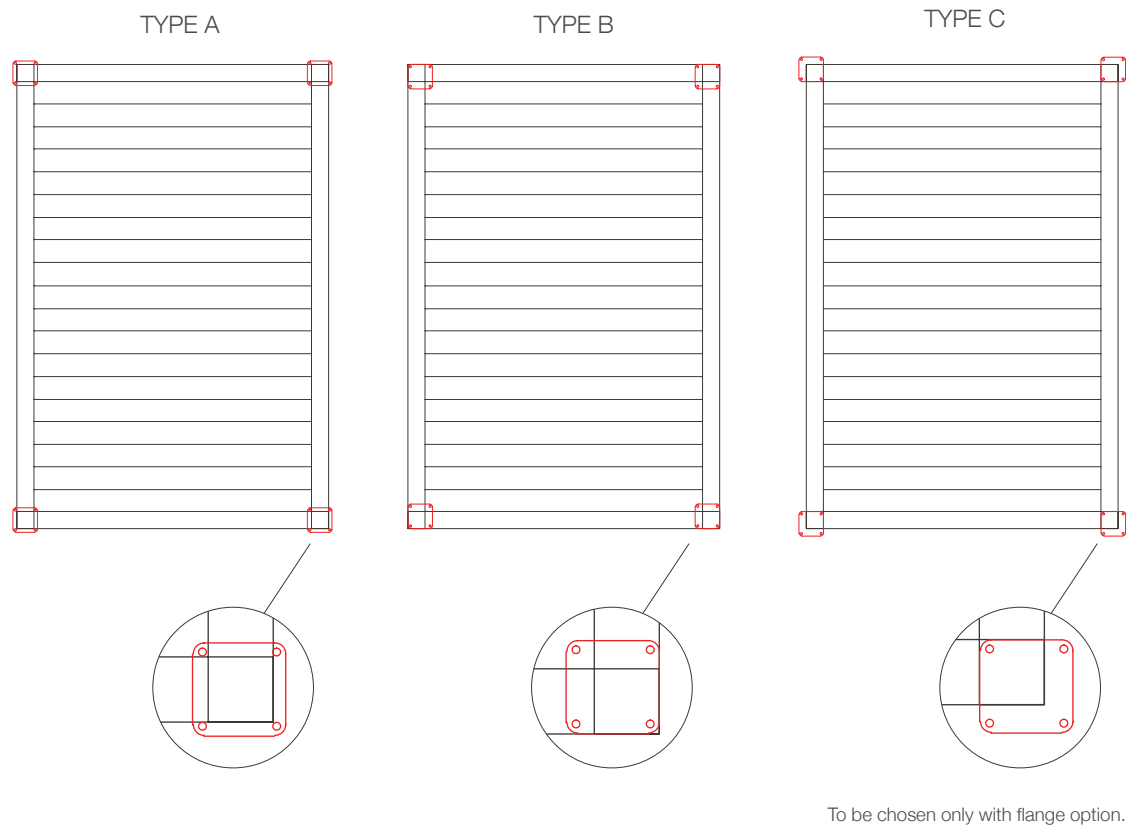
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



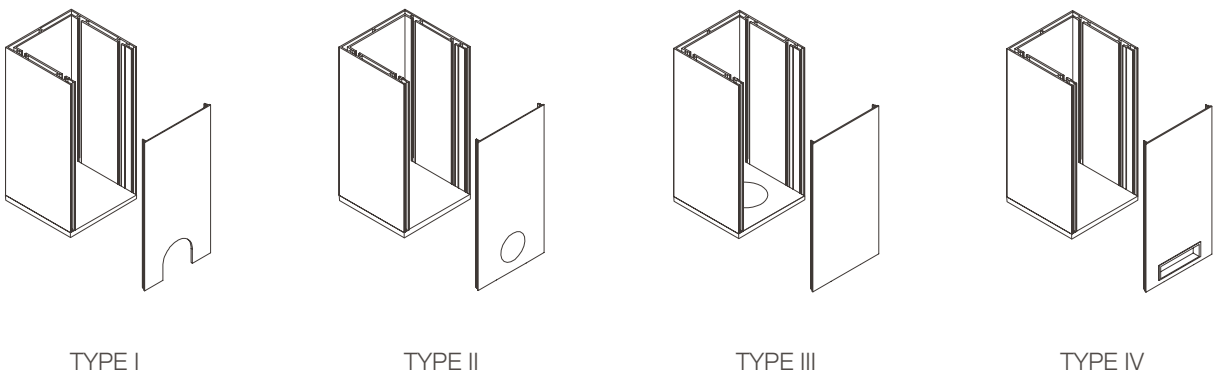
Column Base Options



Flange Positions

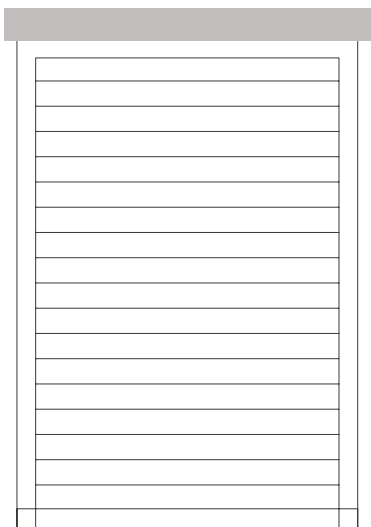


Drainage Types

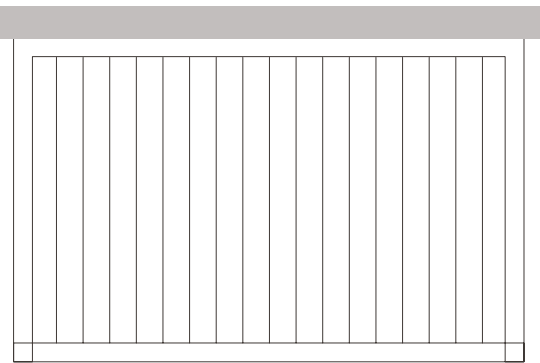


Wall Installation Louvre Positions

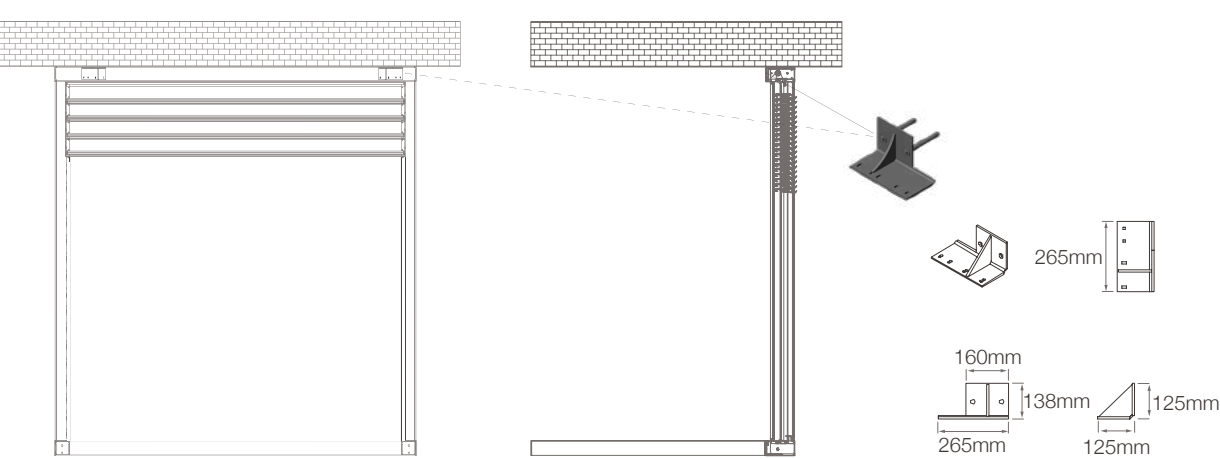
Parallel To Wall



Vertical To Wall

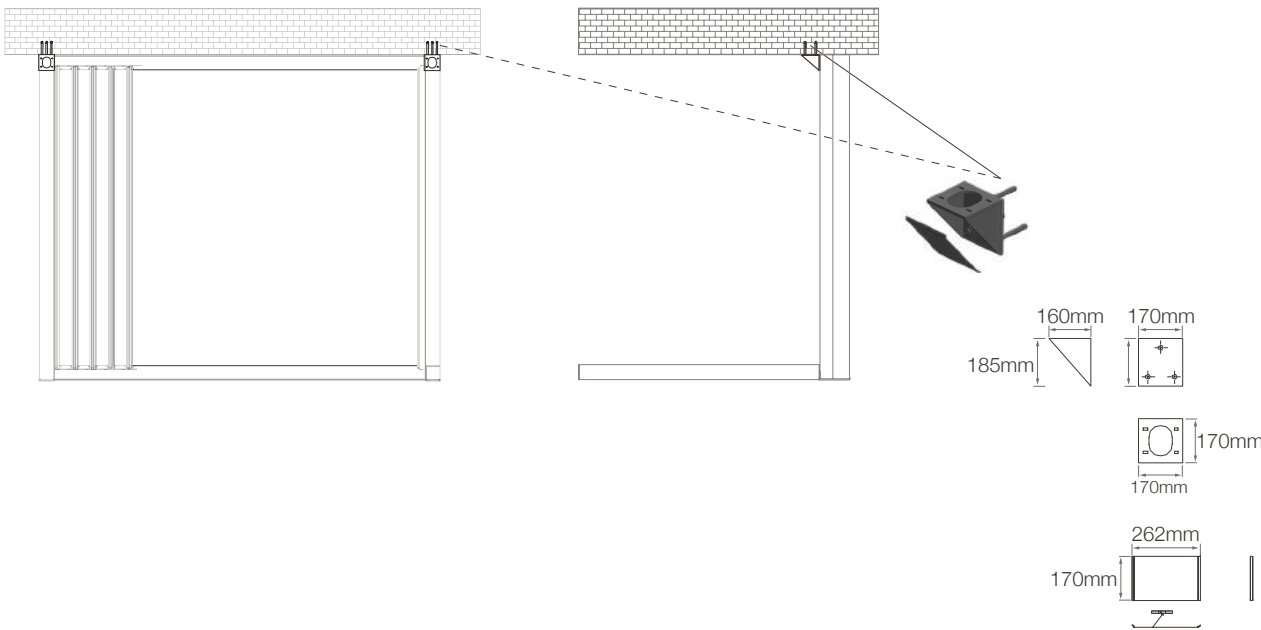


Inner (Hidden) Wall Bracket (Inox)

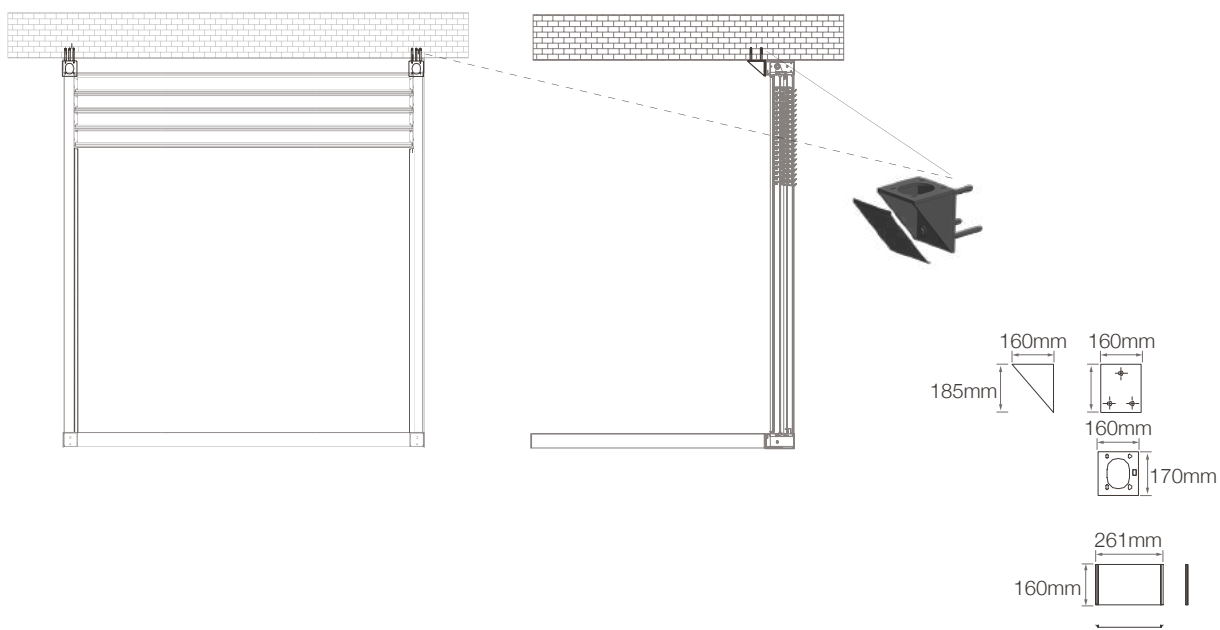


Hang Bracket Types

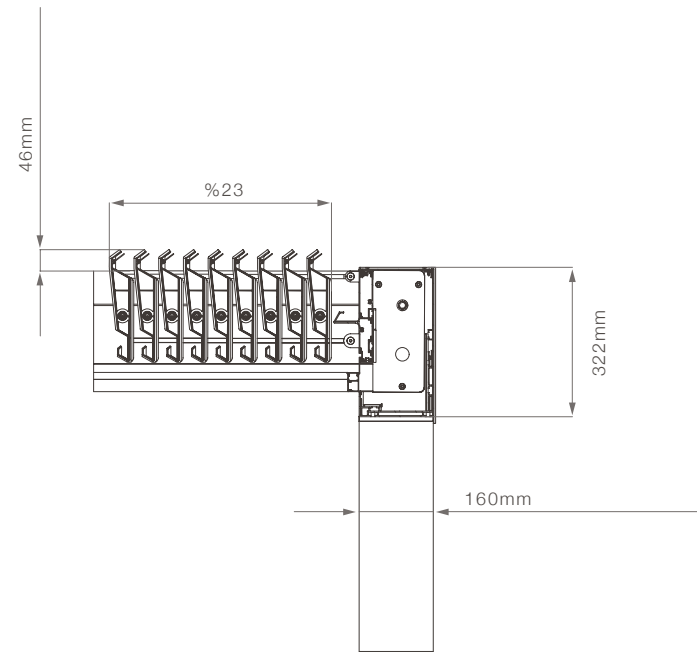
Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap



Paralel Mounting Outer Wall Bracket (Inox) With Optional Cap

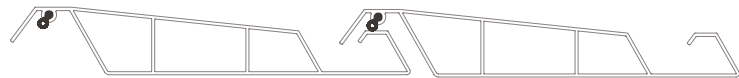


Side Elevation



Louvre Stormguard Seal

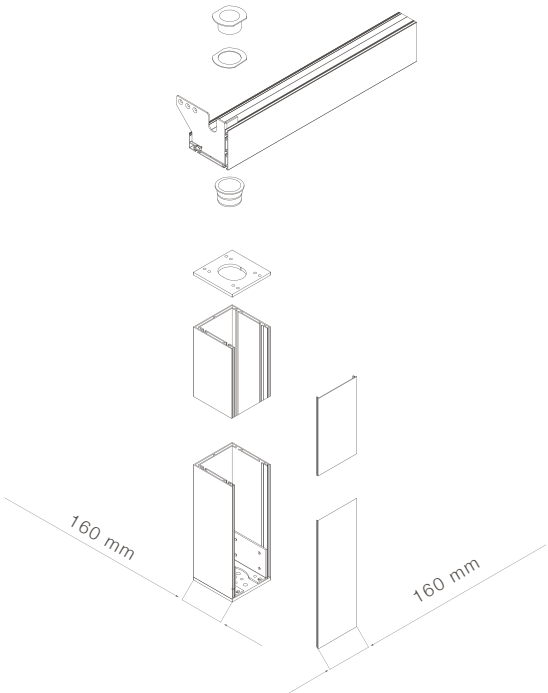
Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.



Column Connection

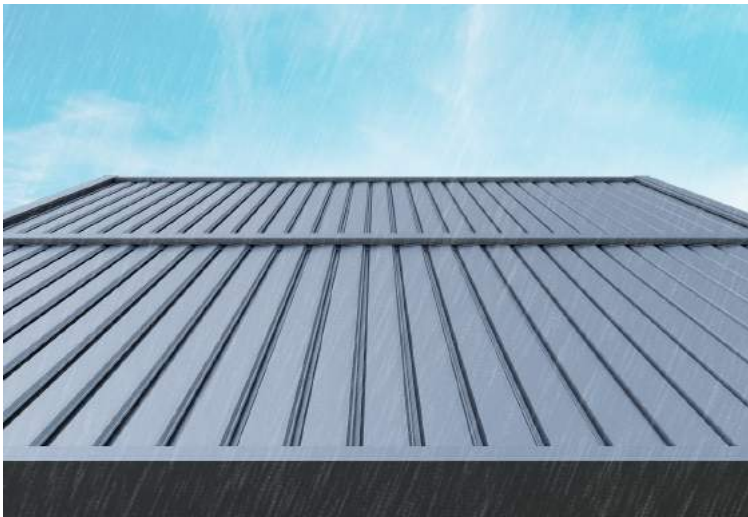
Thanks to ease of column base assembly each columns can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

The front column cap can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker or automation to provide clean appearance.

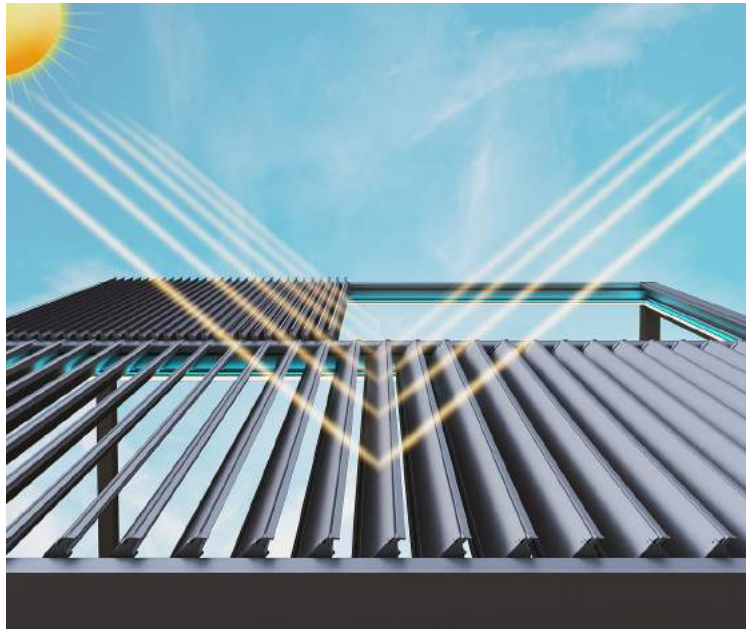




Slightly opening of louvres creates natural air flow for application areas.



Ensuring waterproof coverage when louvres are in fully closed position.



Protecting from sun exposure while ensuring air ventilation under the system .



Each channel on louvres drain the water through four sided gutters connected with columns.



Functional seal entegrated on louvre channels provides maximum protection from water dripping.

Closures



Sapphire/Cycle Guillotine Glass System
System can be adapted to Aerolux system and offers a maximum clear span that provides unobstructed view & minimalistic style. The system is operated by just the touch of button.



Swind-Motorised Windbreaker System
Swind can be combined with also Aerolux system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. The system is modular and completely flexible as there are no limits in the horizontal direction that can be used to surround spaces of all types and sizes.



Violet Glass Balustrade System
The adaptability of Violet fixed balustrade glass with Aerolux creates a stunning visual transparency without lacking of obstruction to lines of sight. The stylish lighting solution that is integrated underneath the glass highlights attractive aspect of the design by amplifying overall aesthetic of outdoors. Thanks to flexible and multiple modular implementations, system can be used to cover comprehensive areas without limitation in the horizontal direction.



Framee Sliding Glass System
Minimal line of Framee system is perfectly matching with modern architectural Aerolux system by insulated fine-framed sliding glass panels. System offers a comfortable sliding with easy individual movement.



Slidia Sliding Glass System
The combination of the sliding glass system with Aerolux ensures efficacious protection from wind and rain. The aluminium frames which cover each glass panel provide maximum safety standards and practicality with elegance details.



Vertex Zip Screen System
The minimalist, slimlane, contemporary design of the zip system provides comfortable shade and protects against the UV rays. The system includes motorised aluminium structure, entirely powder-coated with stainless steel bolts and screws.



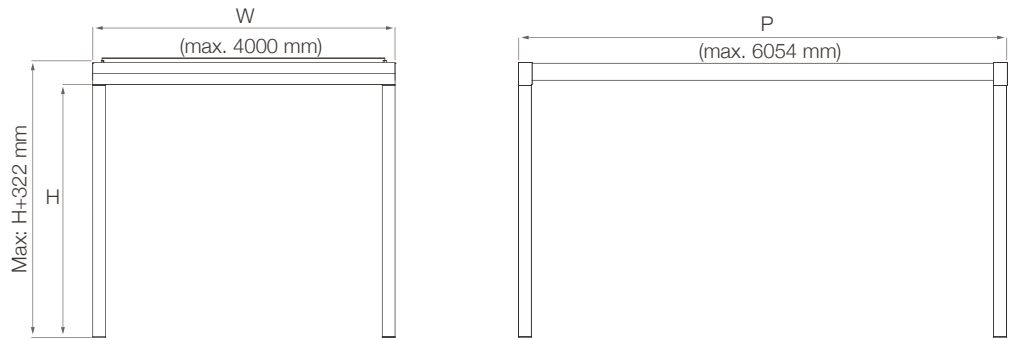
Wallfix Fixed Side Enclosure
The unique designed privacy of Wallfix side enclosure can be combined with Aerolux system to optimise outdoor living areas visually.

Dimension Ranges

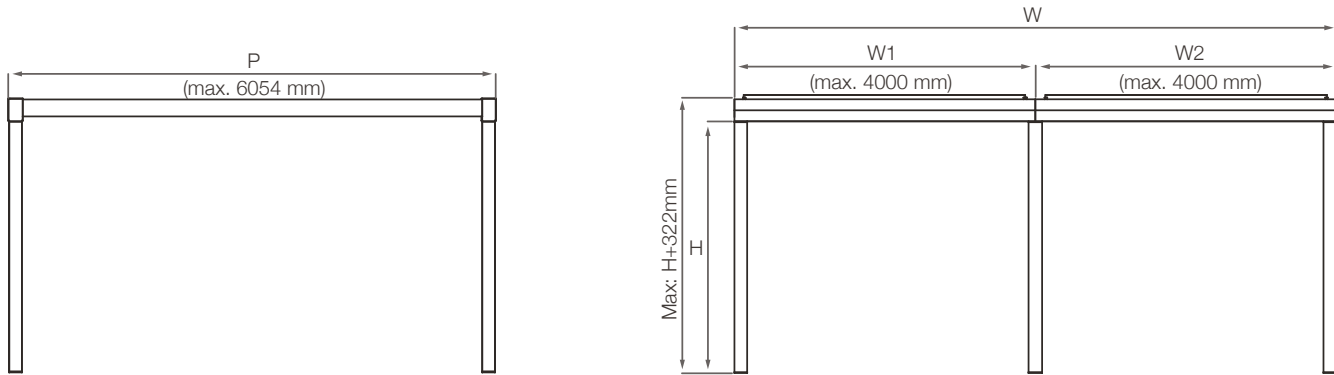
Width dimension: Any value between 1800mm and 4000mm
Projection dimension: Adjustable according to louvre quantity

		WIDTH									
		1800									4000
NR. OF LOUVRES	PROJECTION	6	1569								
		7	1764								
		8	1959								
		9	2154								
		10	2349								
		11	2544								
		12	2739								
		13	2934								
		14	3129								
		15	3324								
		16	3519								
		17	3714								
		18	3909								
		19	4104								
		20	4299								
		21	4494								
		22	4689								
		23	4884								
		24	5079								
		25	5274								
		26	5469								
		27	5664								
		28	5859								
		29	6054								

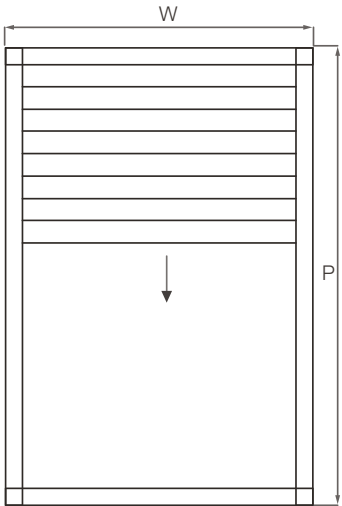
Single Module
W: 1800 mm < 4000 mm
P: 1569 mm < 6054 mm



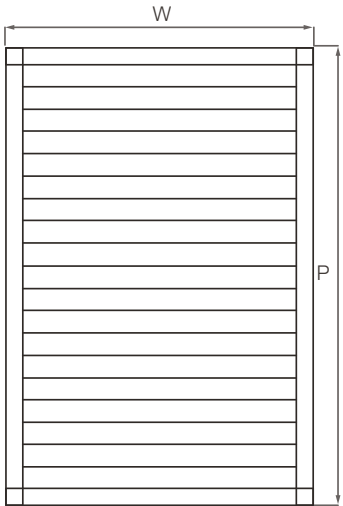
Multiple Modules Joining Type 1
W: 3600 mm < 8000 mm
P: 1569 mm < 6054 mm



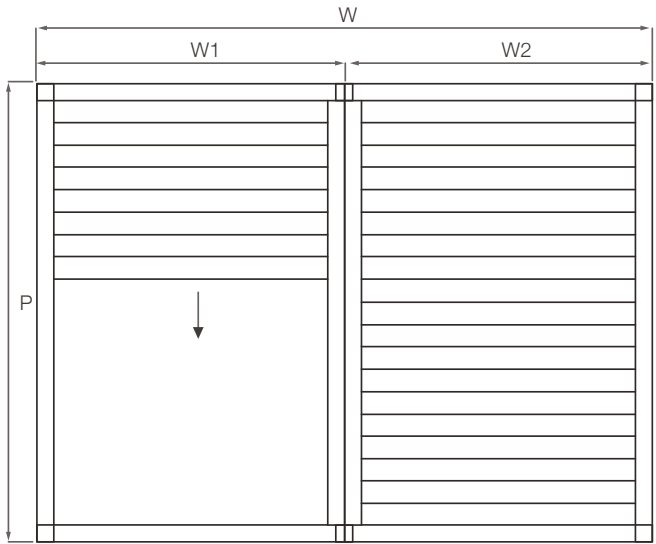
Retractable & Tilting



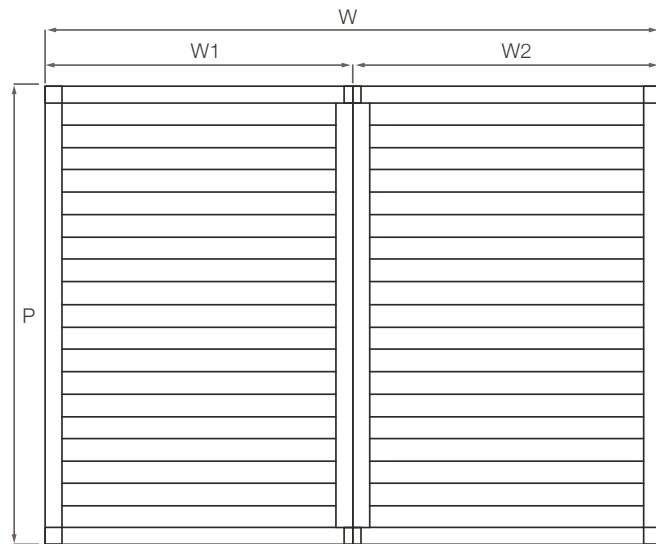
Tilting



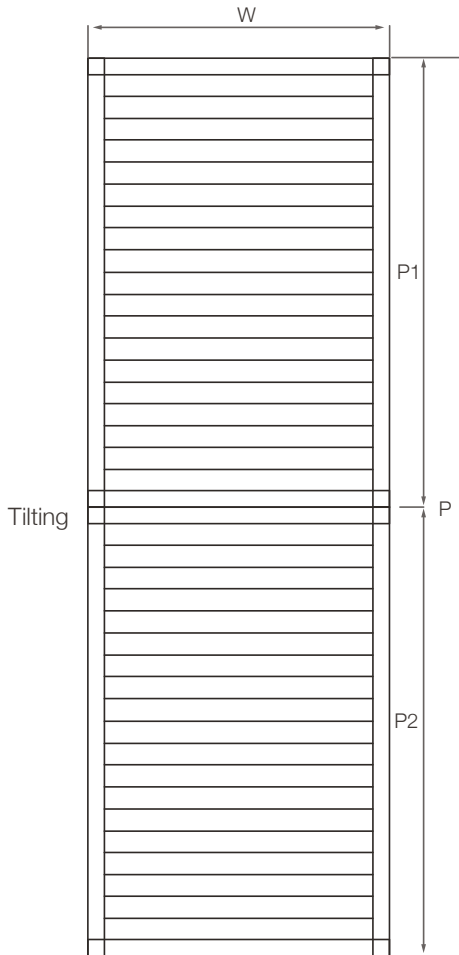
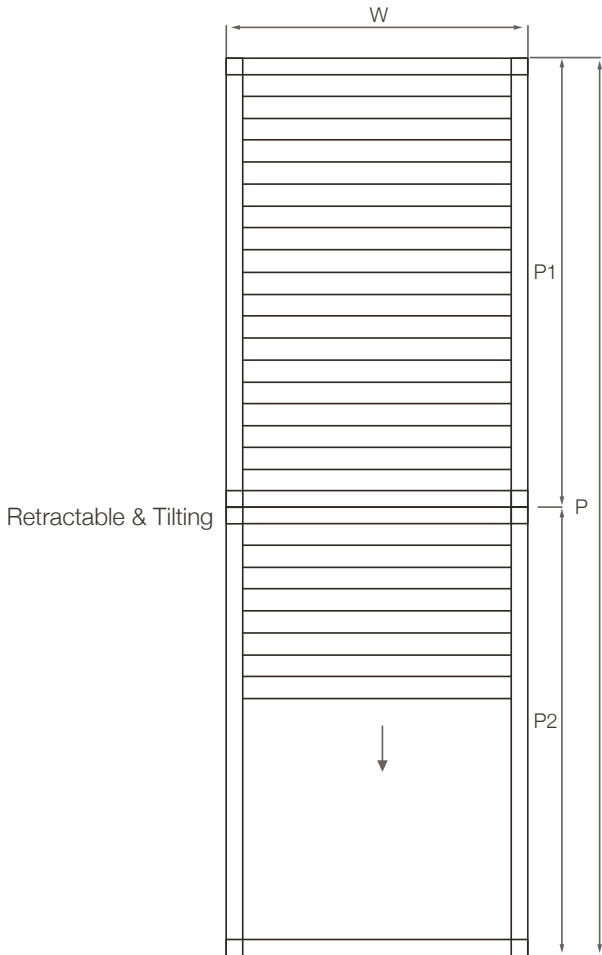
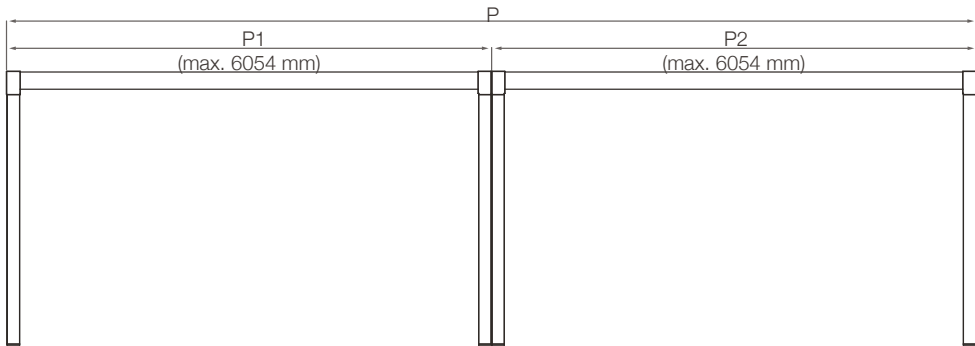
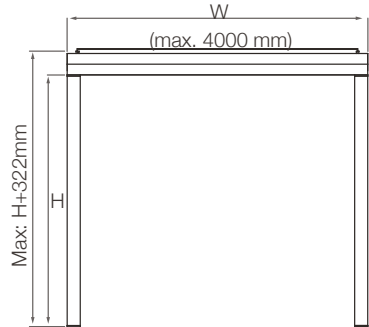
Retractable & Tilting



Tilting



Multiple Modules Joining Type 2
W: 1800 mm < 4000 mm
P: 3138 mm < 12108 mm



Order Form

Company Name:
Order Reference:

Order Date:

OPERATION

- ☐ Retractable & Tilting
☐ Tilting

INSTALLATION TYPES

- ☐ Self Standing
☐ Wall Mounting
☐ Louvres Parallel to Wall
☐ Louvres Vertical to Wall

QUANTITY: pc

☐ If modules are multiple and each module is in different width or projection, please provide details (single module max. dimension is 4000x6054mm)

DIMENSIONS

W - Total Width..... mm
P - Projection mm
H - Post Height..... mm
Total Number of Posts Required pc

☐ Type 1 ☐ Type 2
W1 mm P1 mm
W2 mm P2 mm
.....
.....

POWDER-COAT COLORS

Structure

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
<input type="checkbox"/> 7006	<input type="checkbox"/> OGN39	<input type="checkbox"/> ST7039	
<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

Louvres

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
<input type="checkbox"/> 7006	<input type="checkbox"/> OGN39	<input type="checkbox"/> ST7039	
<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

LED LIGHTS

- ☐ Led Stripe Dimmer Lighting
☐ Cool White
☐ Day Light
☐ RGB Led - Hidden Stripe Lighting

SENSORS

- ☐ Rain Sensor
☐ Wind Sensor

OPTIONALS

- ☐ Additional Post ☐ Insulation Foam ☐ Drainage Pipe

COLUMN BASE OPTIONS

- ☐ Hidden (Standard)
☐ Flange
☐ Flange With Cover Cap

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

- ☐ Type I
☐ Type II
☐ Type III
☐ Type IV

PACKAGING

- ☐ Standard ☐ Wooden Crate
Extra cost

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



Max. width for single module	4000 mm
Max. projection single module	6054 mm
Rafter profile dimension	228x260 mm
Post dimension	160x160 mm
Louvre dimension	180 mm
Louvre quantity in max. size	29 pcs
Louvre can be tilted up to	90°
Louvres parking area	23%

Automation	included
Control unit	included
Led Stripe Dimmer lighting	optional
RGB Led - Hidden Stripe lighting	optional
Insulation foam	optional
Edge cover profile	N/A
Drainage pipe	optional
Flange	optional
Rain Sensor	optional
Wind Sensor	optional

Technical Specifications
Aerolux

New Generation Outdoor Covering Solutions
With Tilting And Retractable Bioclimatic Systems

Description

Aerolux is a new generation of high-tech bioclimatic covering solution that is composed of a high grade structural aluminium frame and tilting & retractable aerofoil louvres.

Dimensions

One module

Width 1800 mm < 4000 mm

Projection 1569 mm < 6054 mm

Column Height 3000 mm

- Blocked assembly for customized modules with a wide range of flexible combinations.

Technical Characteristics

- Extruded aluminium frame, blades & gutters - clean edges.
- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Concealed screws to offer clean finish.
- High grade stainless steel connection components.
- High strength timing belt for balanced movement inside rafters.
- Large span with 4000mm dimension.
- Remote control for operation of mechanism and lighting.
- Double-walled aerofoil louvres with superior strength and durability.
- Adjustable louvres for any position within the 90° range.
- Extended open sky when roof retracted (open sky up to %77).
- Dimmer option to adjust lux intensity.
- Antibacterial polyurethane foam insulation which can be integrated into the louvre to provide sound and heat insulation.
- Air and water insulation between joining axis of multiple applications is provided by patented storm channel profile.
- Applicability of guillotine, sliding / sliding frame / folding glass and zip systems.

- Fully waterproof coverage when louvres are in fully closed position.
- Functional seal integration on louvre channel to prevent water leaking and provide extra insulation.
- The water is flowed down to the main gutters by special drainage channels along the louvres and drained through columns.
- Internal rainwater down-pipe for columns.
- Hidden direct drive double shaft motorbox with 56 NM torque Somfy® motor operates tilting and retracting motion. (2 pieces).
- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standarts.
- In addition to standart RAL colors, Exclusive and Texture range aluminium colors can be offered as extended selection.
- Functional louvre lay out in parallel or vertical position to wall.

II | Profile Section Dimensions

Rafter	: 228 mm x 260 mm x 2,5 mm
Gutter	: 161 mm x 140 mm x 2,5 mm
Column	: 160 mm x 160 mm x 3 mm
Louvre	: 237 mm x 40 mm x 1,8 mm

III | Installation Methods

- Individual modules can be customised according to specified finish up to 4000mm width and 6000mm projection with flexible installation methods such as integration into existing frameworks, wall mounting and free standing for larger outdoor areas.
- System can be assembled as single or multiple modules.

IV | Columns

- Dimensions: 160 x 160 mm x 3 mm.
- Simple column assembly.
- The column cap profile can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker or automation to provide pure appearance.
- 3 different column base options: Hidden, Flange, Flange With Cover Cap.

V | Weather Resistance

Wind Resistance

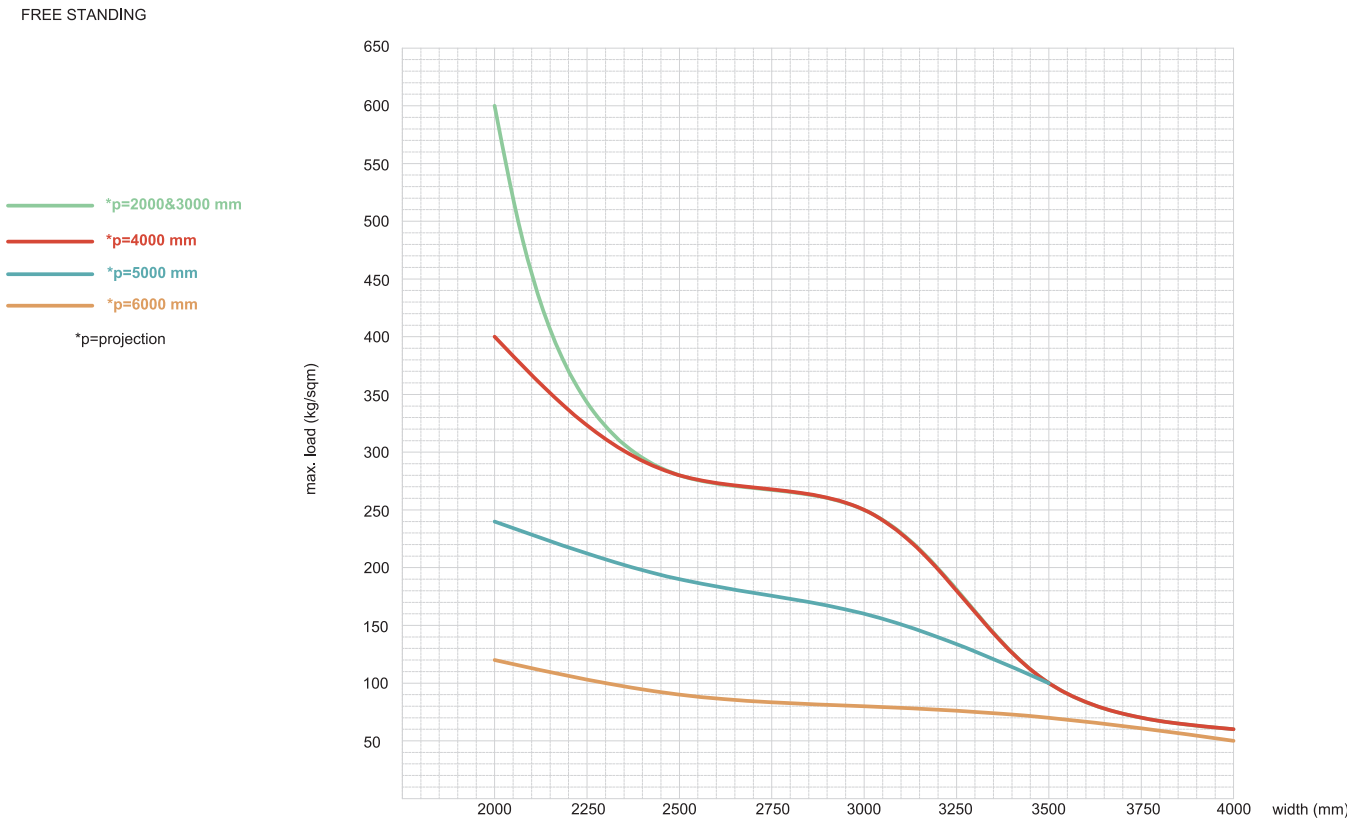
- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

- The four sided gutter for completely ensured waterproofness.
- Water drainage with an intensity of 155 L/h/sqm that last up to 2 minutes maximum.
- Optional PVC pipe (Ø70) integration inside columns.
- Customised drain points flexibility.

Snow load

See dimension based snow chart below;



VI | Tests

Our systems are subjected to variety of tests in order to check their resistance under every type of circumstances.

Tests done following the requirements of International Standards involving parameters such as wind resistance and rainfall or snowfall demonstrate the excellent performance of our pergolas against the most adverse conditions.



Standard UNE-EN 13659:2004+A class 6 (approx. 102 km/h) tested up to 102 km/h without breaking within test bench parameters.



≤600 kg/m2 (including its own weight) Standard EN-1999 EUROCODE 9 aluminium structures project.
*Values will be decreased based width and projection dimensions.



Standard UNE-EN 12056-3, (0,04 l/s max.) constant heavy rain aprox. 155 l.m2/h (structures + slats).

VII | Additional Equipments

- Heater, speaker, air conditioner or other automations can be integrated.
- Wind and rain sensors can be adapted.

VIII | Lighting

Integrated RGB-Led Hidden Stripe and Led Stripe Dimmer Lighting on sides within the structure.

- **Led Stripe Dimmer Lighting**

Cool White, 60 LEDs/m I +5100-6500K I 1130 lumens/m

Day Light, 120 LEDs/m I +2800-3500K I 1094 lumens/m
- **RGB Led-Hidden Stripe Lighting**

60 LEDs/m

IX | Sensors

Wind and rain sensors can be adapted for an optimum level of comfort. These smart sensors are designed to respond fully automatic based on weather conditions in a specific situation. It functions as a protection against unexpectable weather conditions.

Sensors will activate an automated system that close/retract the roof and protect the furniture & underneath of covered area even if you are not able to control the system.

Wind sensor

Wind sensor monitors the gust of wind then retract your outdoor product to protect it against unexpected strong winds and offers constant protection.

The wind speed value required to do this is set directly at the sensor. If the wind picks up significantly wind sensor will close the roof depending on a pre-set wind speed. Thanks to ease of installation and minimal cabling it can be setup simply.

Rain sensor

Rain sensor will automatically detect the rain and close your roof to prevent raindrops falling through open roof systems even if you are not able to control the system.

If rain is detected the pergola will be closed and the remote control will be needed to open it back.

X | Closures

Systems can be completely enclosed with Sapphire automatic vertical glass system, Swind windbreaker system, Violet, Framee, Slidia or motorised Vertex zip for further protection from the elements.

Sapphire

Sapphire is an automatic vertical guillotine glass system enriched with patented worm shaft technology.

- Systems can incorporate framed tempered 8 mm and 10 mm single or 4mm+12mm+4mm / 5mm+10mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Operation is motorised.
- Upwards or downwards parking position options.
- Fixed panels can be used as balustrades.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Switch, remote or smart home control availability.
- Fine frames with thermal and sound insulated rubber seals.
- Wide open view with up to 4 meters width vertical glass panels.

Cycle

Cycle is an automatic vertical guillotine glass system with strengthened chain mechanism.

- Systems can incorporate framed tempered 5mm+11mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.

- Motorised operation with switch, remote or smart home control availability.
- Upwards or downwards parking position options.
- Balustrade usage ability with the handrail design that covers the glass panels.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Protected usage with safety sensor.
- Fine frames with thermal and sound insulated rubber seals.
- Easy assembly & disassembly with compact guide profile consisting of four parts.
- Wide open view with up to 4 meters width vertical glass panels.

Swind

Swind is an automatic vertical up-down glass panel.

- Electrostatic powder-coated frame.
- Extruded aluminium fix panel frame.
- Concealed screws to offer clean finish.
- Horizontal counterweight for smooth motion.
- High strength belt mechanism for balanced movement.
- 10mm fixed and 8mm up-down automatic moveable tempered glass panels.
- Frameless moveable glass panel for unobstructed view.
- Led stripe dimmer lighting integrated side frame / invisible electrical cables.
- Remote control for operation of mechanism and lighting.
- Fast opening-closing cycle.
- Fully hidden compact direct drive motor system.
- Ease of installation with single or multiple modules.
- Portability with optional wheel integration.
- Availability of usage as balustrade in closed position.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Violet

Violet glass balustrade system.

- Concealed screws to offer clean finish.
- Glass fixed pane is 8+1.52 pvb+8mm.
- Led stripe dimmer lighting integrated integrated underneath the glass / invisible electrical cables.

- Remote control for operation of lighting.
- Ease of installation with single or multiple modules.
- Availability of usage as Hand Rail (Optional).
- Compact & Easy Assembly.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Framee

Framee, sliding glass system with fine-framed double glazed panels.

- Double insulated glass (6+12+6mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Electrostatic powder-coated frame.
- Handle with Click Lock on first panel and Handle with Hidden Lock on the last panel on internal side of sliding panels for security measures.
- Combination availability with Vertex Zip System for sun protection.
- Available with 2,3 or 4 rails up to maximum 8 panels combined with side or central openings.
- Natural, stainless steel and black anodyse color options.

Slidia

Slidia is a sliding glass system with individual parallel glass panels.

- Electrostatic powder-coated frame.
- Features slim aluminum glass profiles.
- Individual panels can be moved horizontally with single or double slide options.
- Bottom wheel carriages with double rollers ensure optimum and smooth running even with wide glass panels.
- Successive panels can be moved by the grap mechanism.
- Height adjustable wheel carriages up to 5mm.
- Sloped rail design for efficient drainage.
- Anodised bottom rail for easy and smooth movement.
- Rain and wind resistance by double sided transparent gaskets (standard), transparent gaskets with brush or aluminum slats with brush.
- Brush and rubber cord for high frame insulation.
- Anti-slip rubber ensures safety passage and also offers ease of rail surface cleaning.
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 3 or 5 rails up to maximum 10 panels, combined with side or central openings.

Vertex Zip System

- Vertex is a motorised external blind system.
- It provides comfortable shade and protects against the UV rays.
 - The system includes motorised aluminium structure.
 - Each screen has a pair of identical side channels.
 - Entirely powder-coated with stainless steel components.
 - Maximum protection against solar radiation and penetration of heat while preserving the optimal level of natural light in the interior and contact with environment.
 - The production technology of fabrics ensures a high resistance to external influences such as wind or changes in temperature and humidity.

Wallfix

- Wallfix is an aluminum louvered fixed wall system.
- Electrostatic powder-coated frame.
 - High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
 - Compact & Easy Assembly with click louvre connection.
 - Clean finishes with hidden joining details.
 - Extruded aluminium fine line fixing frame.
 - Concealed screws to offer clean finish.
 - Large span with 6000mm dimension.
 - Sound and heat insulation with double layered louvre (panel) design.
 - Maximum safety with block assembly.

Doors

Glass door

- Frameless hinged and frameless hydraulic glass doors are available.
- Single tempered glass (10mm).
- Available with single panel and double panels (each panel in maximum 1000mm).
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Allen&Key lock for security.

Framed glass door

- Hinged and hydraulic framed glass doors are available.
- Electrostatic powder-coated frame.
- Available with double insulated single panel and double panels (each panel in maximum 1000mm).
- Double insulated glass (4+11+4mm).
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Push & Pull Bar handle types.
- Pull Handle/ Lock.

Photocell Door

- Aluminum framed automatic glass door.
- Electronic lock.
- Possibility of manuel usage in emergency situations.
- Electrostatic powder-coated frame.
- Available in Laminated glass (4+4mm).
- Single panel and double panel options (each panel in maximum 1000mm).
- Fast opening-closing cycle and insulation materials for preserving heat balance between indoor and outdoor.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- One side button or double side button and double sided transition control types.

XI | Structure Color Options / Finishes

- The products are available with a wide range of colour options in standard or architectural textured coatings.
- In addition to standard RAL colors, Exclusive and Texture range aluminium colors can be offered.
- QualiMarine and Qualanod finishes are also available beside of Qualicoat finishes.

XII | Warranty

	Aerolux	Sapphire	Cycle	Swind	Violet	Framee	Slidia	Vertex	Wallfix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

Retractable & Tilting



Tilting



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional
Insulation Foam



Sensors

Rain Sensor



Wind Sensor



Installation Types

Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Closures

Sapphire& Cycle



Swind



Violet



Framee



Slidia



Vertex



Wallfix





EXXEN

Perfect fusion of functionality, redefinition of outdoor living areas

Exxen is a high-end scissors bioclimatic aluminum pergola system that performs the most desired function in outdoor living spaces with its fully retractable feature.

It is designed to enhance your exteriors considerably to enable absolute protection and more relaxing time for any kind of outdoor living areas. The system is uniquely flexible and modular custom built to be adapted various types of large application areas such as restaurants, terraces, balconies either private or commercial with its distinguished design.

System enables you to make shadow control thanks to a simple opening and closing system with automated pivoting louvres that provides natural air flow effect and exceptional quality of outdoor life in the open air.

Thanks to its retraction feature Exxen allows you to see the open sky clearly and helps you benefit from daylight at the maximum level. It is extremely suitable for using your outdoor living space in all seasons and contributes to preserving your stylish line by showing an aesthetic harmony with other complementary products.

Individual modules can be custom made in your specified finish up to 7m wide and 9m projection with flexible integration solution between existing structures with an operable architecture. Also several modules can be linked to each other and even larger patio roof can be created by coupling multiple modules.

Along with the aluminum materials that make up the majority of the system, Exxen comes up with two different maximum size options. The system can be extended up to 9 meters projection and 4 meters of width or 8 meters projection and 4,5 meters of width dimensions, that is a practicable option especially for lengthwise applications. When it comes up with a maximum width of 7 meters, projection will be up to 6 meters and that's an efficient solution with covering of large commercial areas.

System is visually enriched with its elegant Hidden Led Stripe and RGB lighting options that can be adjusted according to current mood of user. Also optional insulation foam is available that enables heat and sound insulation.



Led Stripe Dimmer Lighting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinite colour options.

Operations

Fully Closed



One Section

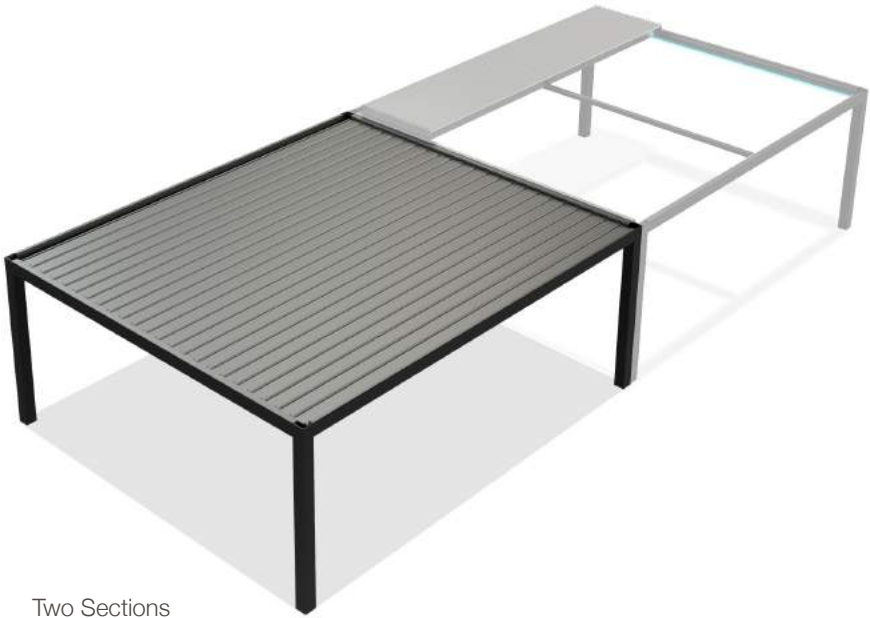


Two Sections

Fully Closed & Retracted



One Section

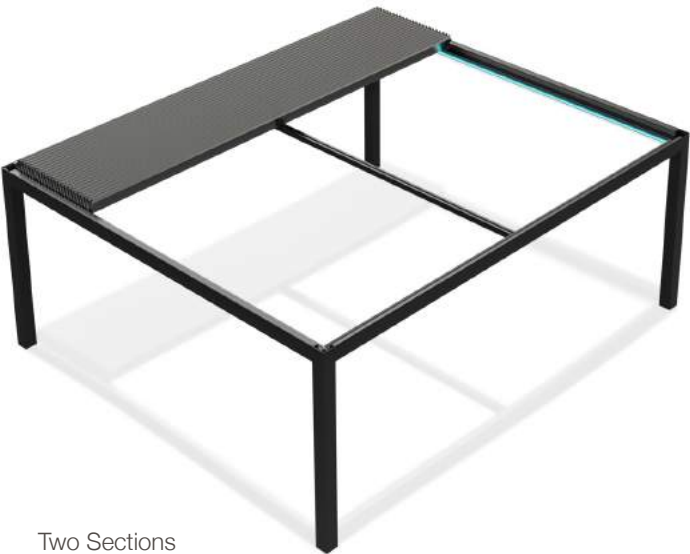


Two Sections

Retracted

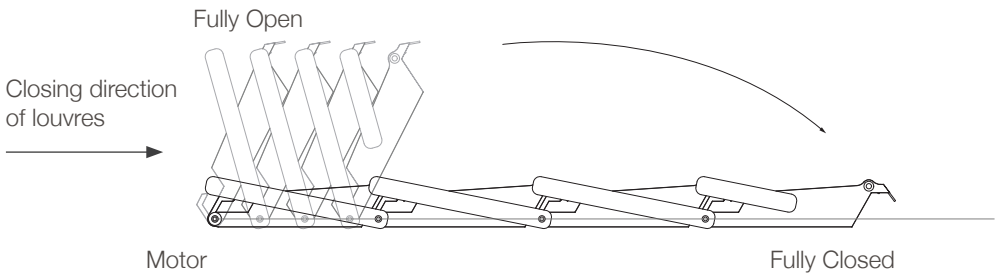


One Section

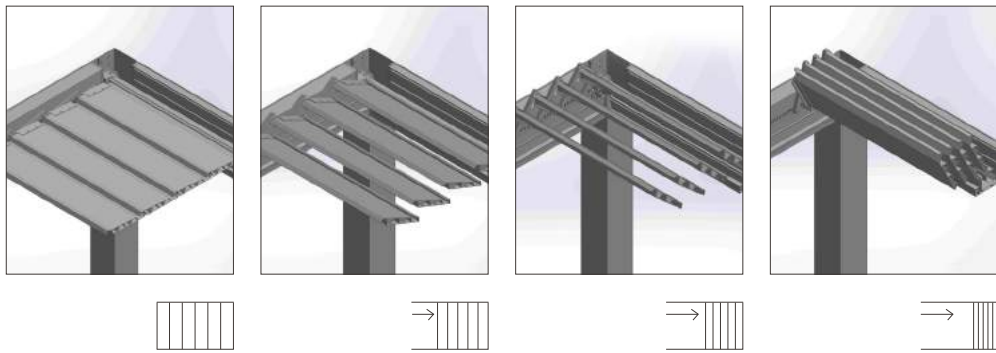


Two Sections

Louvre Closing Direction



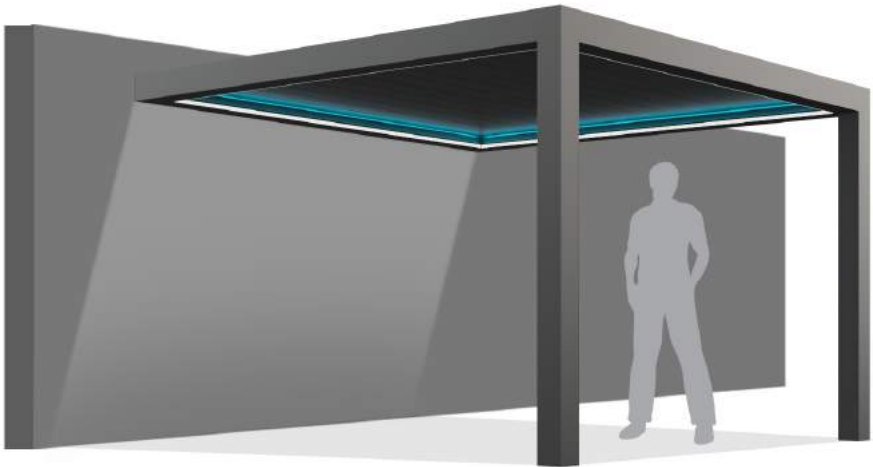
Tilting Directions



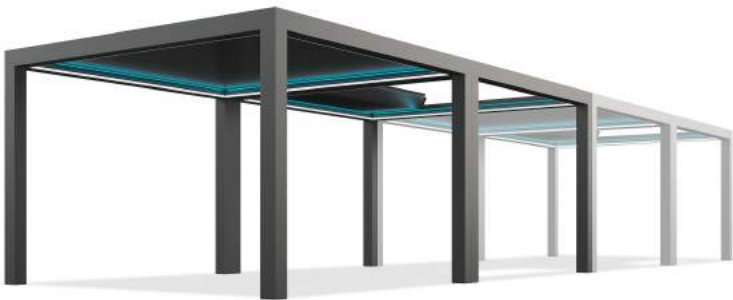
Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



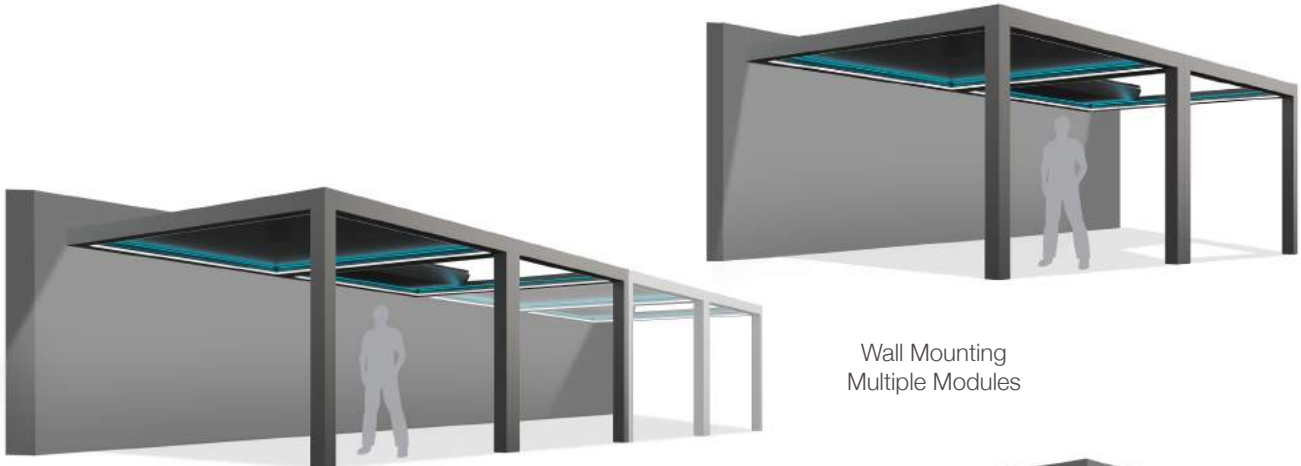
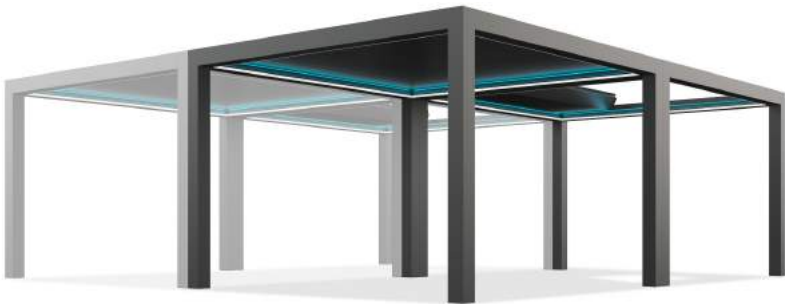
Self Standing
Single Module



Wall Mounting
Single Module



Self Standing
Multiple Modules

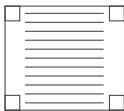


Wall Mounting
Multiple Modules

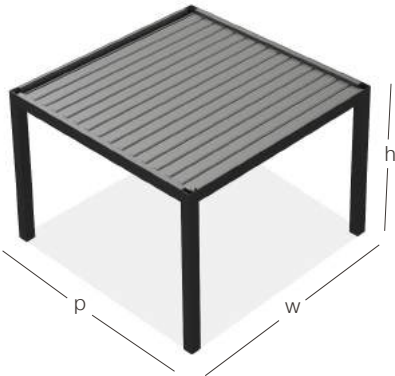


Blocked assembly for customized modules with a wide range of flexible combinations.

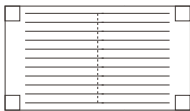
One Section



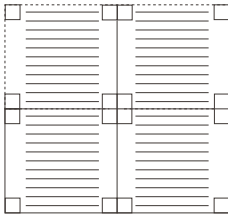
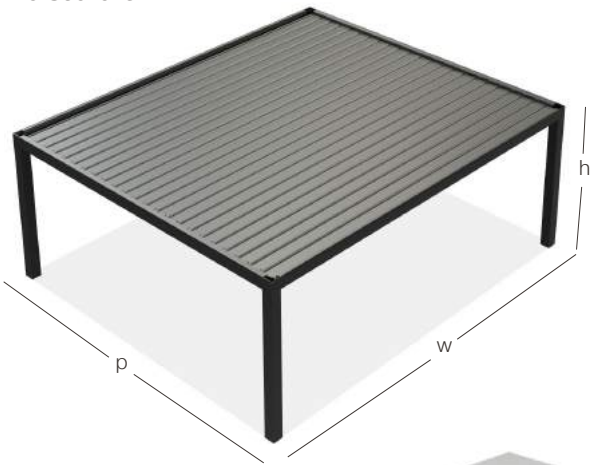
One Section
(w) Width 1200 mm < 4500 mm
(p) Projection 1780 mm < 9030 mm
(h) Height 3000 mm



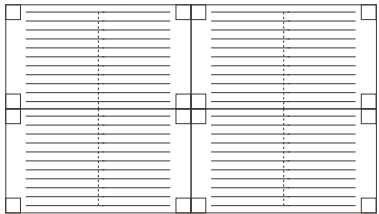
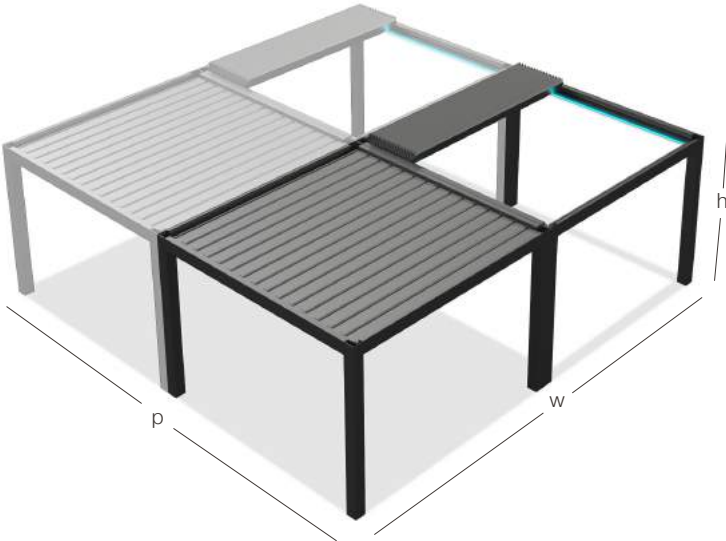
Two Sections



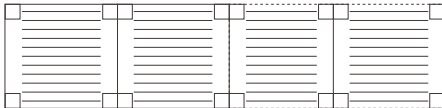
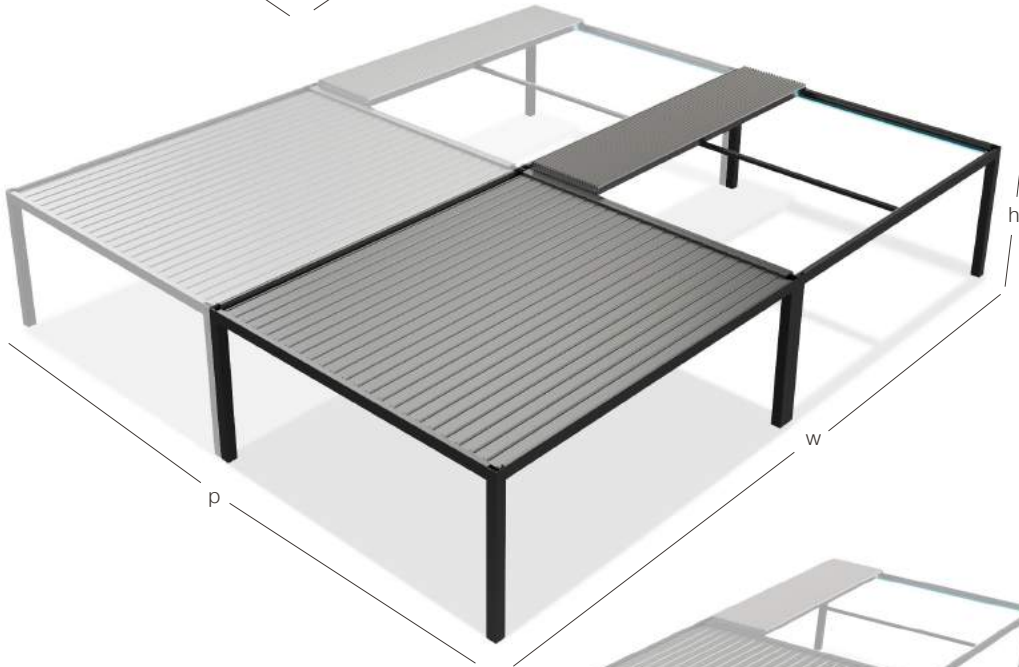
Two Sections
(w) Width 4501 mm < 7000 mm
(p) Projection 1780 mm < 6030 mm
(h) Height 3000 mm



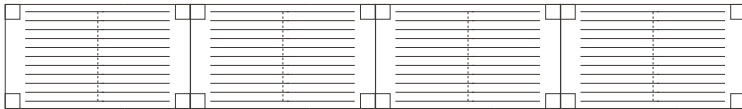
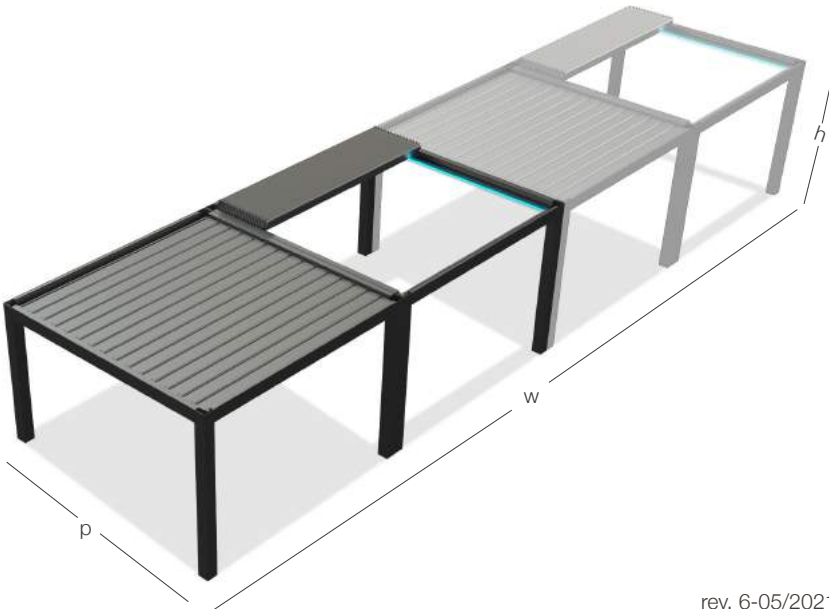
One Section
(w) Width 2400 mm < 9000 mm
(p) Projection 3560 mm < 18060 mm
(h) Height 3000 mm



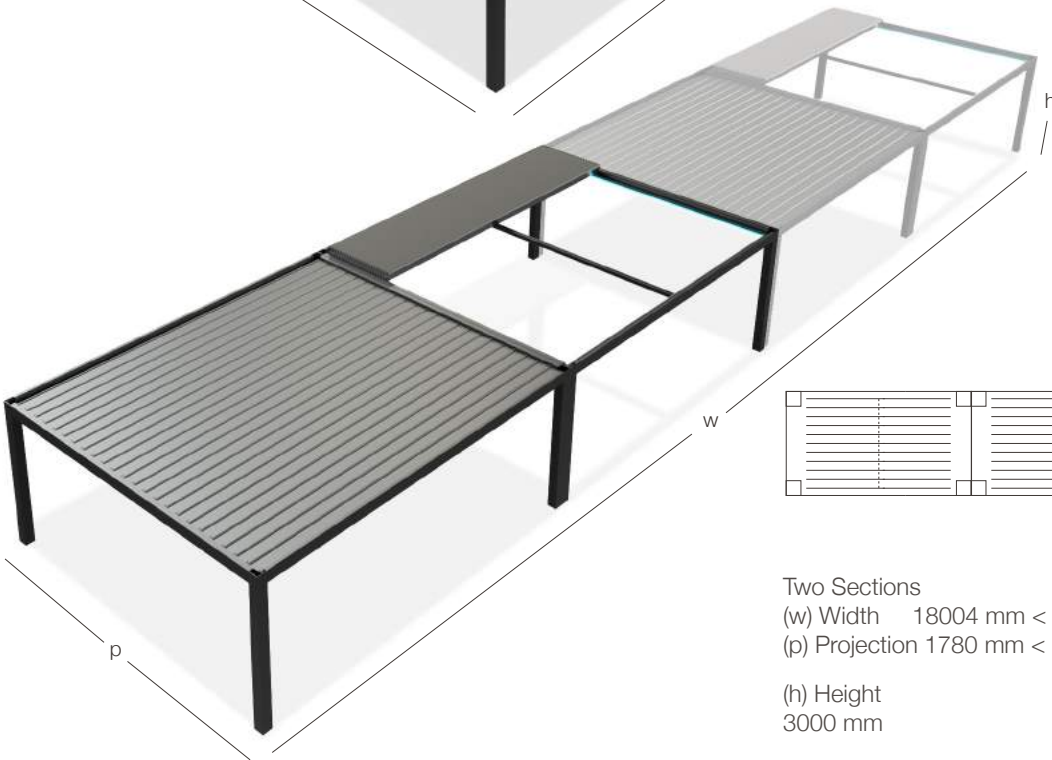
Two Sections
(w) Width 9002 mm < 14000 mm
(p) Projection 3560 mm < 12060 mm
(h) Height 3000 mm



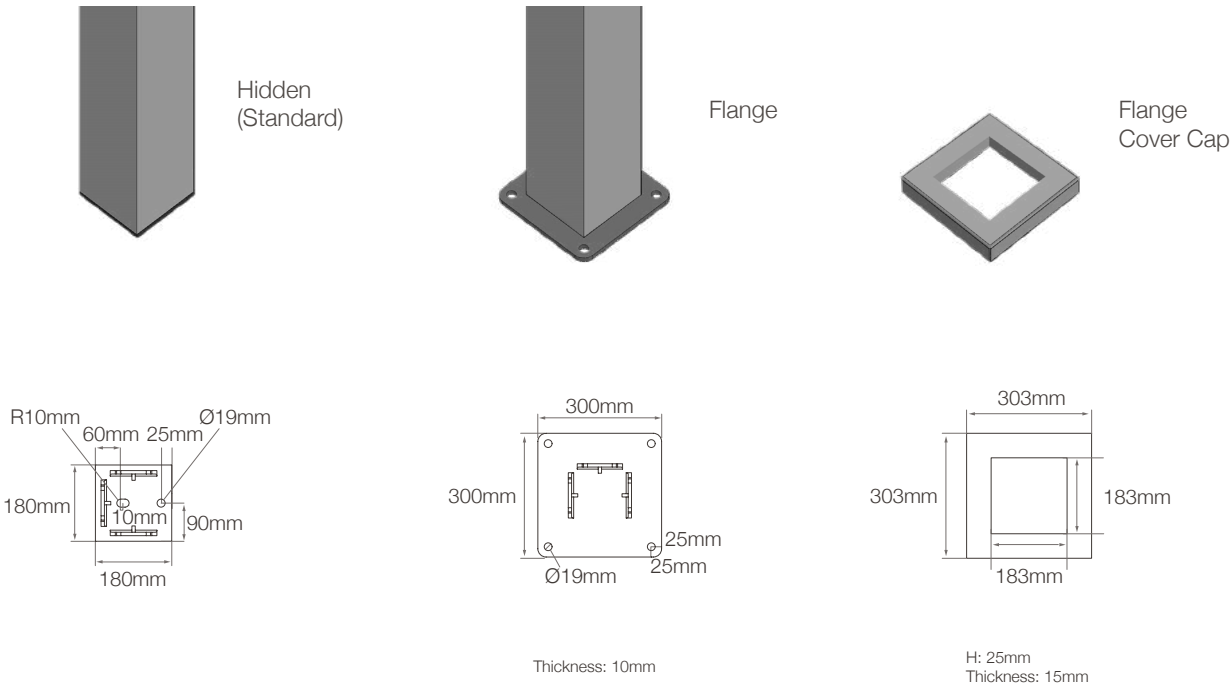
One Section
(w) Width 4800 mm < 18000 mm
(p) Projection 1780 mm < 9030 mm
(h) Height 3000 mm



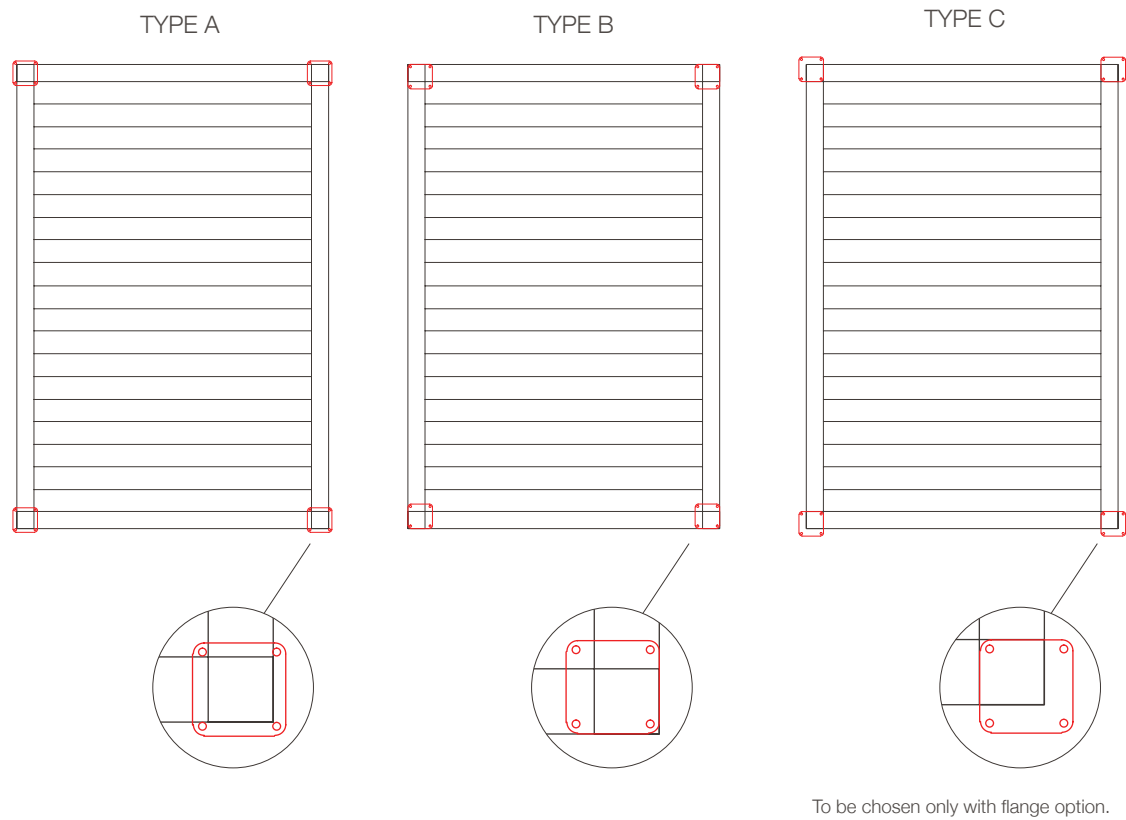
Two Sections
(w) Width 18004 mm < 28000 mm
(p) Projection 1780 mm < 6030 mm
(h) Height 3000 mm



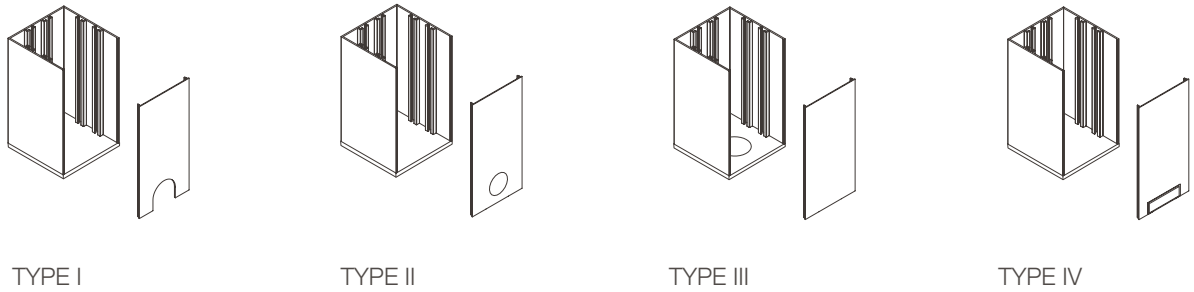
Column Base Options



Flange Positions

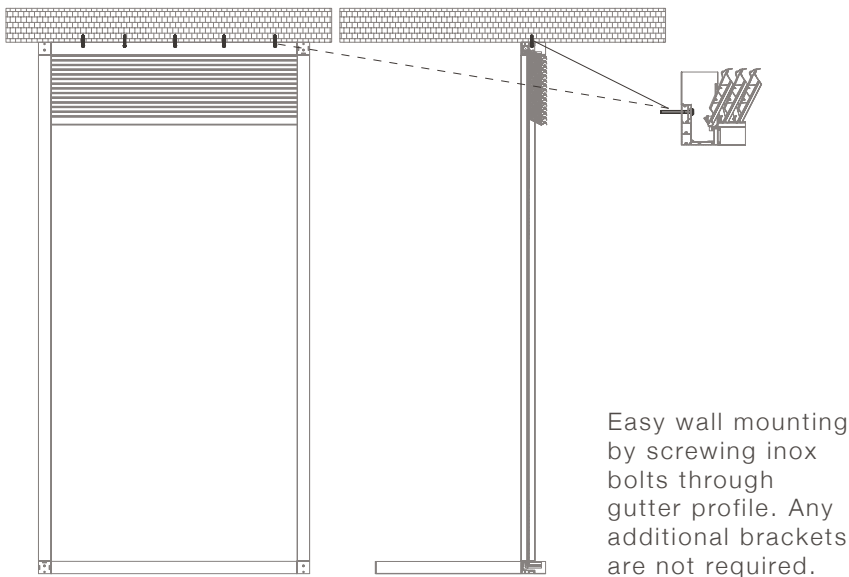


Drainage Types

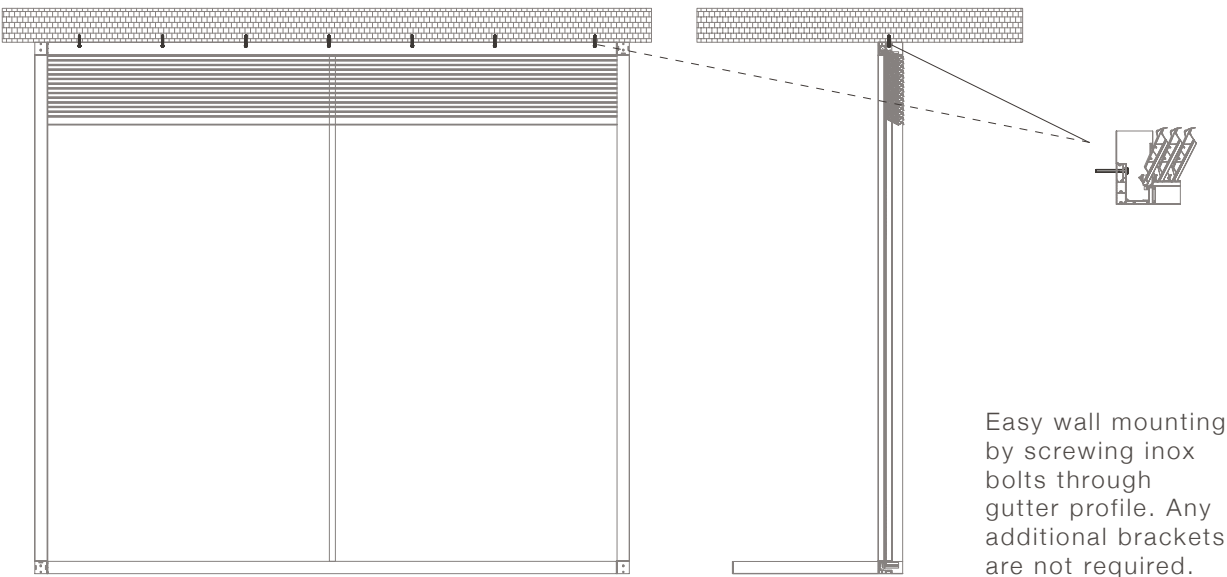


Hang Bracket Types & Mounting

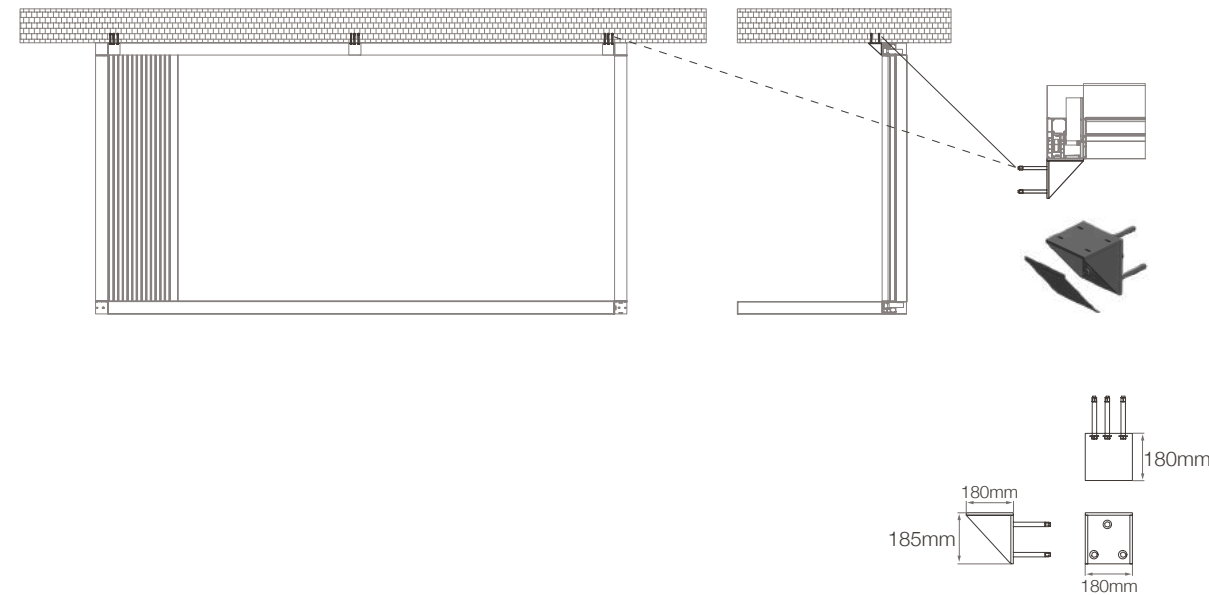
One Section



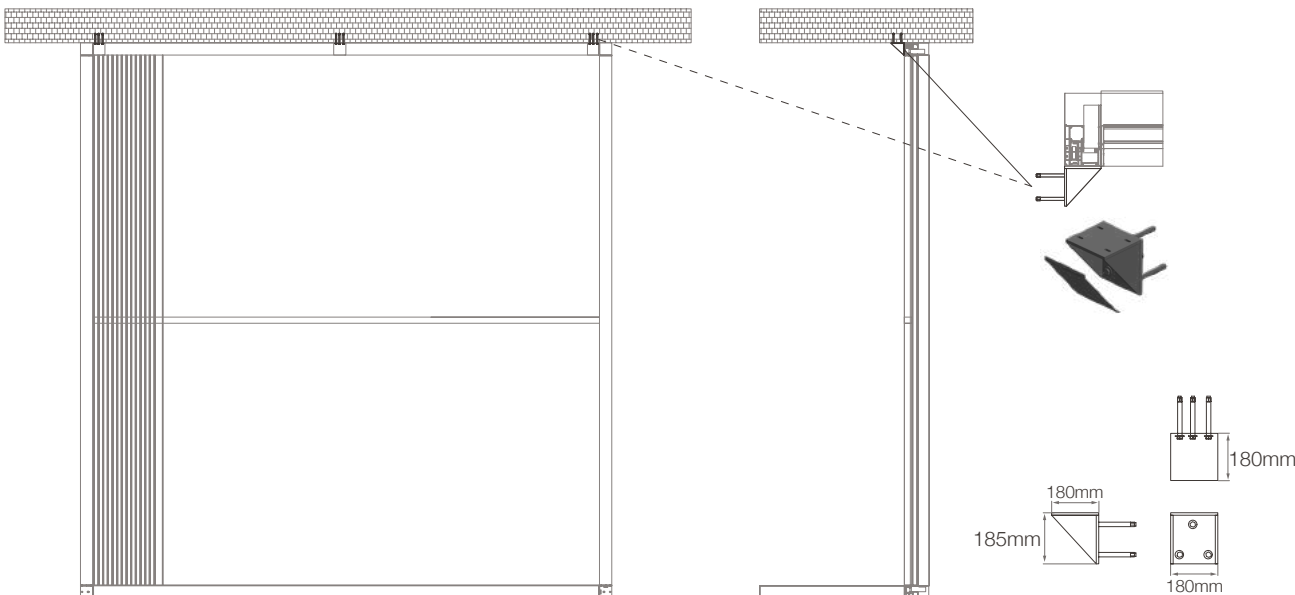
Two Sections



Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap

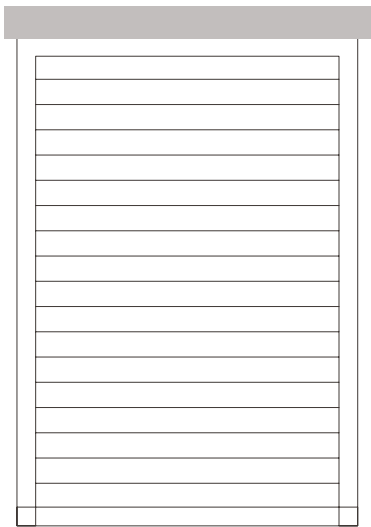


Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap

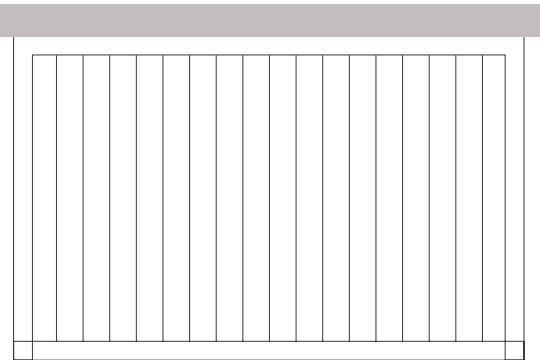


Wall Installation Louvre Positions

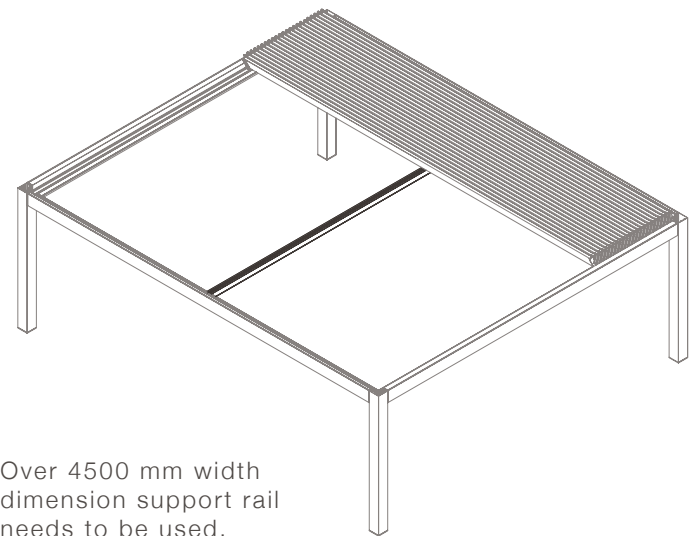
Parallel To Wall



Vertical To Wall



Support Rail

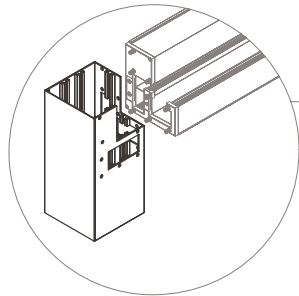


Over 4500 mm width dimension support rail needs to be used.

Column and Gutter/Rafter Integration

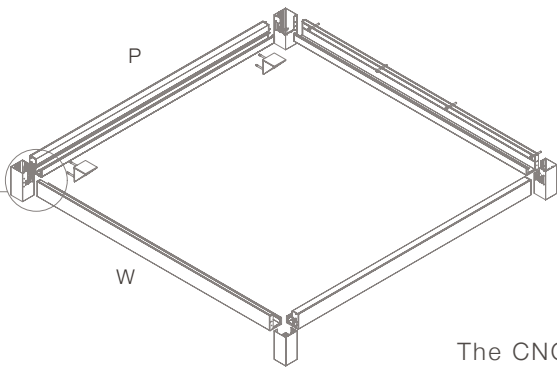
The easy fixing of integral column part to gutter and rafter

Wall Mounting



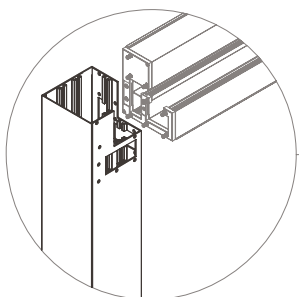
P

W

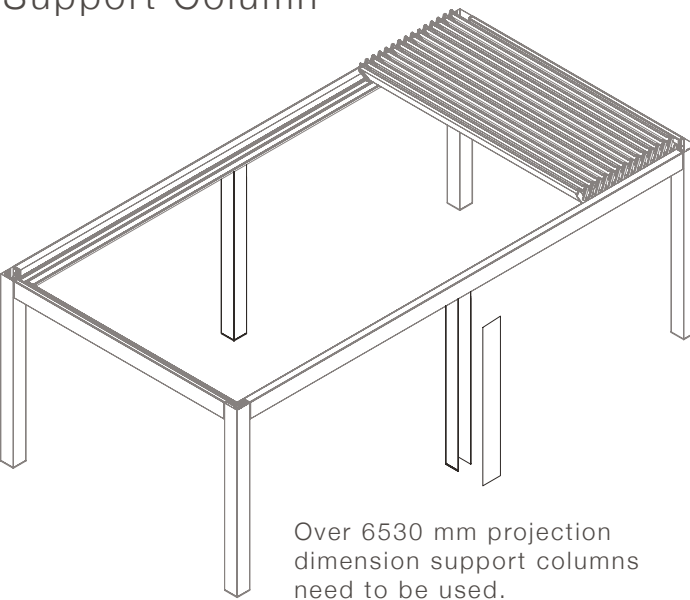


The CNC machine cut corner profiles provide easy gutter and rafter integration.

Self Standing

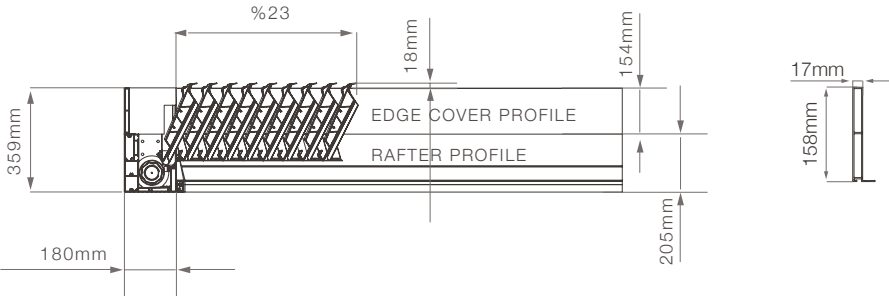


Support Column



Over 6530 mm projection dimension support columns need to be used.

Side Elevation



Louvre Stormguard Seal

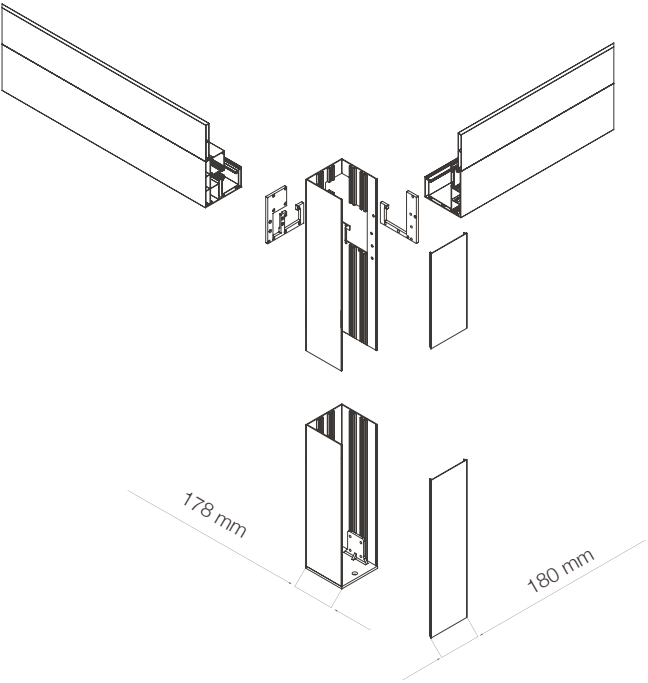
Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.

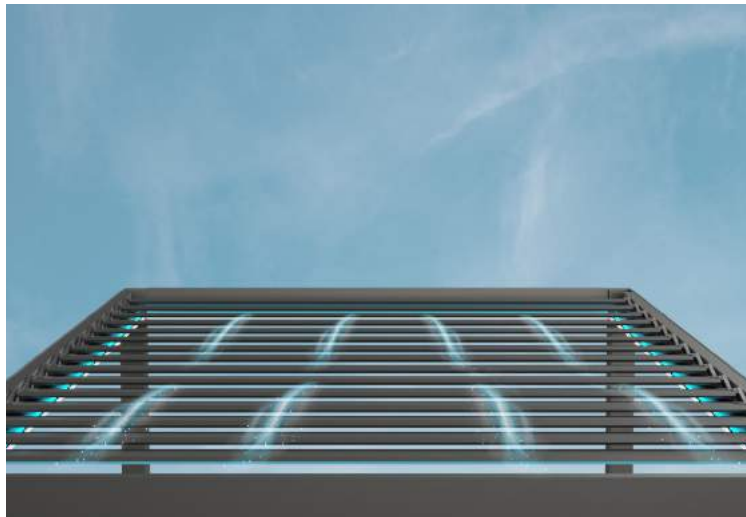


Column Connection

Thanks to ease of column base assembly each column can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

The front column cap can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker and automation to provide clean appearance.

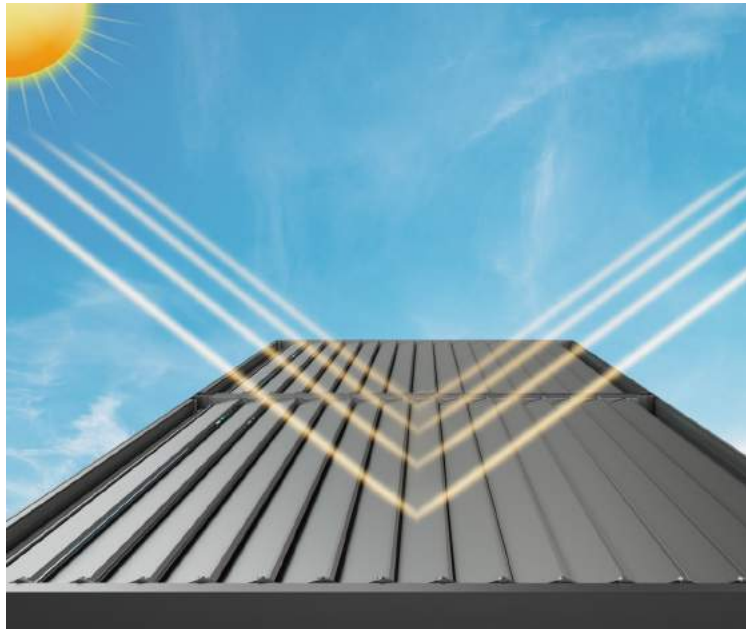




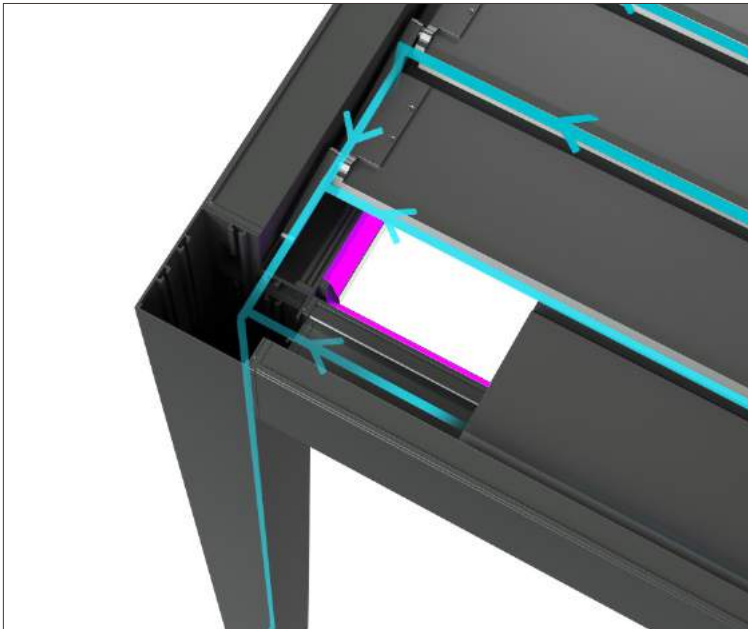
Slightly opening of louvres creates natural air flow for application areas.



Ensuring waterproof coverage when louvres are in fully closed position.



Protecting from sun exposure while ensuring air ventilation under the system .



Each channel on louvres drain the water through four sided gutters connected with columns.



Functional seal entegrated on louvre channels provides maximum protection from water dripping.

Closures



Sapphire/Cycle Guillotine Glass System
System can be adapted to Exxen system and offers a maximum clear span that provides unobstructed view & minimalistic style. The system is operated by just the touch of button.



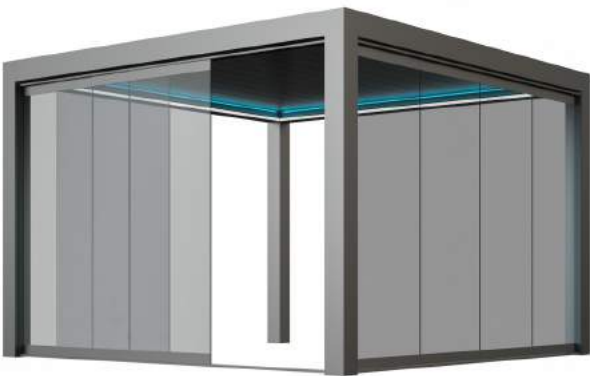
Swind-Motorised Windbreaker System
Swind can be combined with also Exxen system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. The system is modular and completely flexible as there are no limits in the horizontal direction that can be used to surround spaces of all types and sizes.



Violet Glass Balustrade System
The adaptability of Violet fixed balustrade glass with Exxen creates a stunning visual transparency without lacking of obstruction to lines of sight. The stylish lighting solution that is integrated underneath the glass highlights attractive aspect of the design by amplifying overall aesthetic of outdoors. Thanks to flexible and multiple modular implementations, system can be used to cover comprehensive areas without limitation in the horizontal direction.



Framee Sliding Glass System
Minimal line of Framee system is perfectly matching with modern architectural Exxen system by insulated fine-framed sliding glass panels. System offers a comfortable sliding with easy individual movement.



Slidia Sliding Glass System
The combination of the sliding glass system with Exxen ensures efficacious protection from wind and rain. The aluminium frames which cover each glass panel provide maximum safety standards and practicality with elegance details.



Vertex Zip Screen System
The minimalist, slimlane, contemporary design of the zip system provides comfortable shade and protects against the UV rays. The system includes motorised aluminium structure, entirely powder-coated with stainless steel bolts and screws.



Wallfix Fixed Side Enclosure
The unique designed privacy of Wallfix side enclosure can be combined with Exxen system to optimise outdoor living areas visually.

Dimension Ranges

One Section
Width dimension: Any value between 1800mm and 4500mm
Projection dimension: Adjustable according to louvre quantity

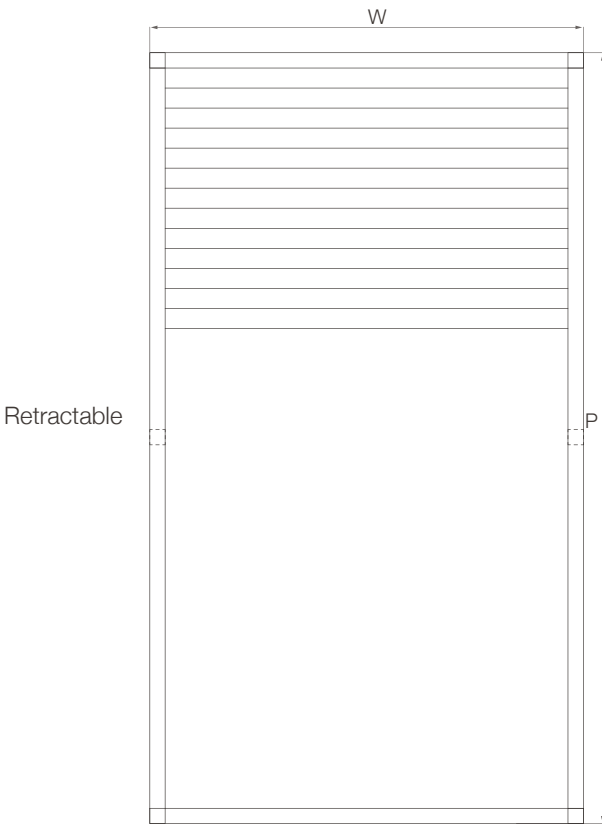
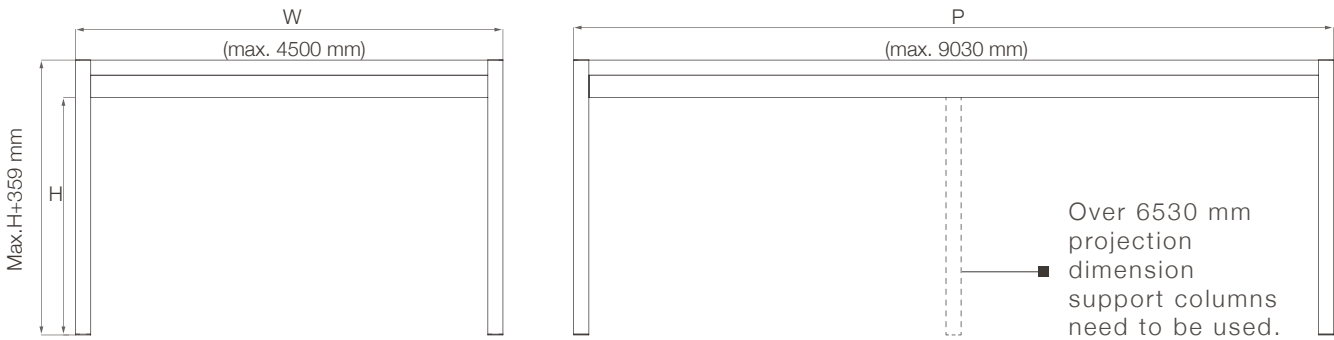
		WIDTH									
		1800								4500	
NR. OF LOUVRES	PROJECTION	6	1780								
		7	2030								
		8	2280								
		9	2530								
		10	2780								
		11	3030								
		12	3280								
		13	3530								
		14	3780								
		15	4030								
		16	4280								
		17	4530								
		18	4780								
		19	5030								
		20	5280								
		21	5530								
		22	5780								
		23	6030								
		24	6280								
		25	6530								
		26	6780								
		27	7030								
		28	7280								
		29	7530								
		30	7780								
		31	8030								
		32	8280								
		33	8530								
		34	8780								
		35	9030								

Two Sections
Width dimension: Any value between 4501mm and 7000mm
Projection dimension: Adjustable according to louvre quantity

		WIDTH													
		4501													7000
NR. OF LOUVRES	PROJECTION	6	1780												
		7	2030												
		8	2280												
		9	2530												
		10	2780												
		11	3030												
		12	3280												
		13	3530												
		14	3780												
		15	4030												
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		17	4530												
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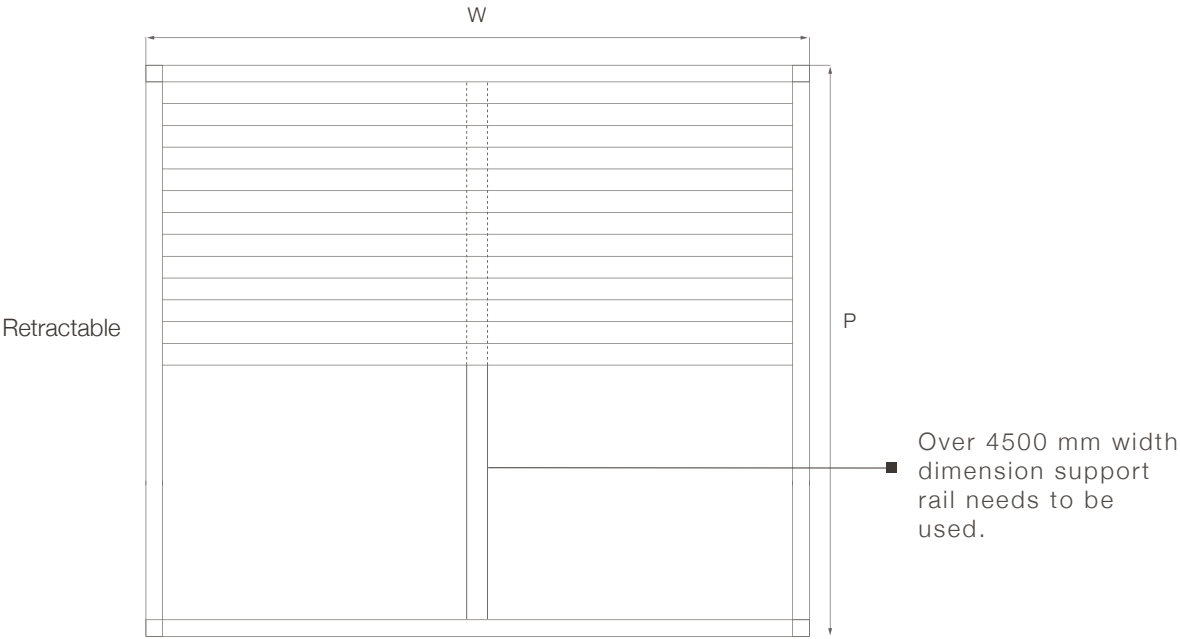
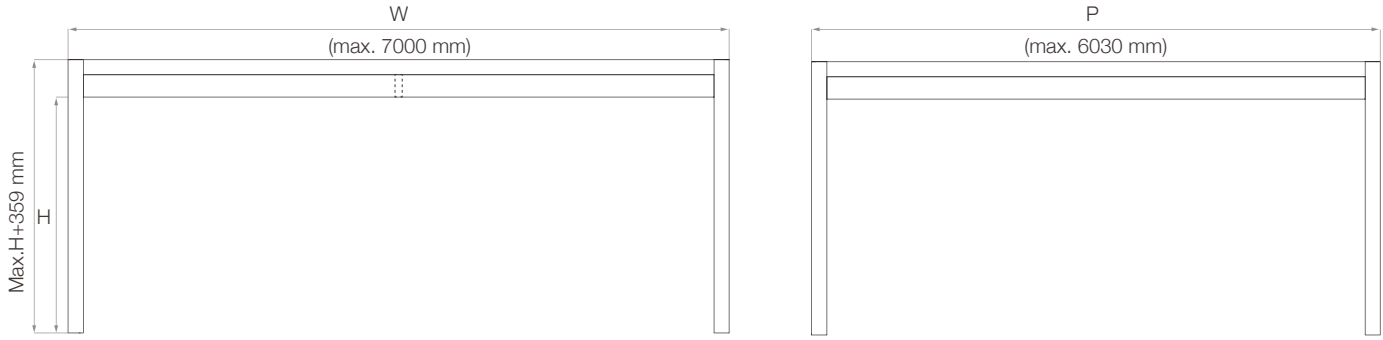
Single Module
One Section

W: 1200 mm < 4500 mm
P: 1780 mm < 9030 mm



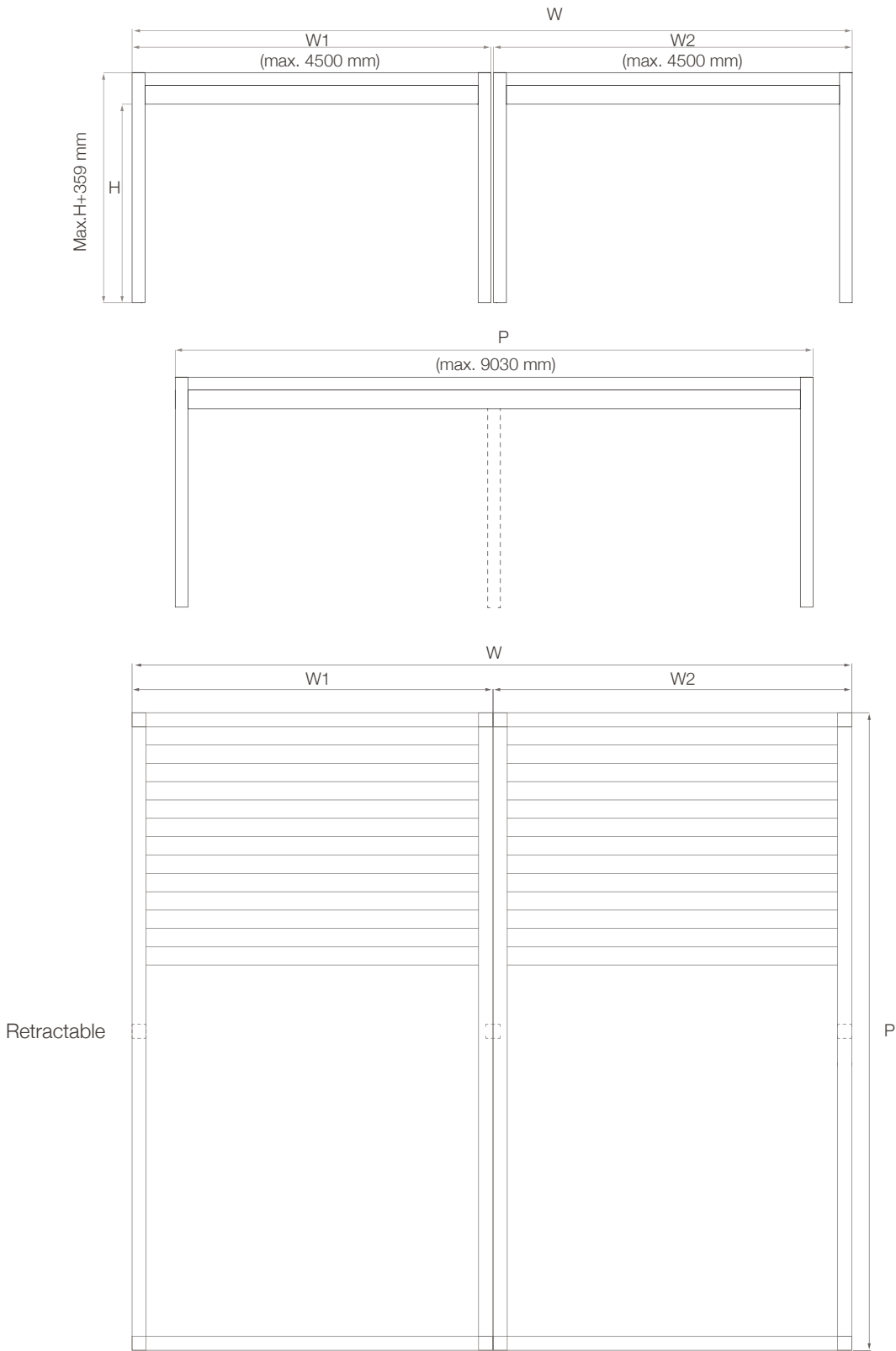
Single Module
Two Sections

W: 4501 mm < 7000 mm
P: 1780 mm < 6030 mm



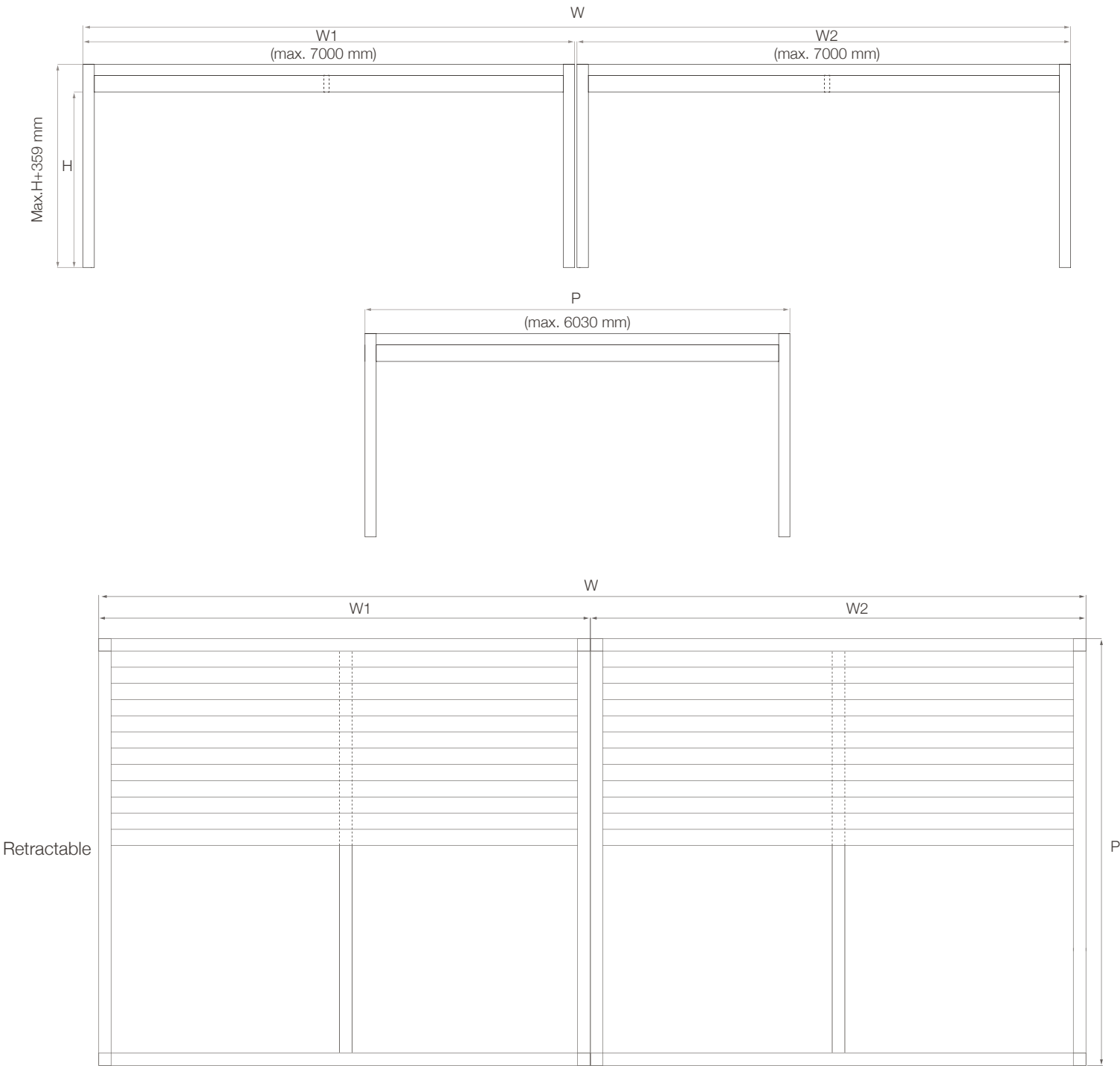
Multiple Modules Type 1
One Section

W: 2400 mm < 9000 mm
P: 1780 mm < 9030 mm



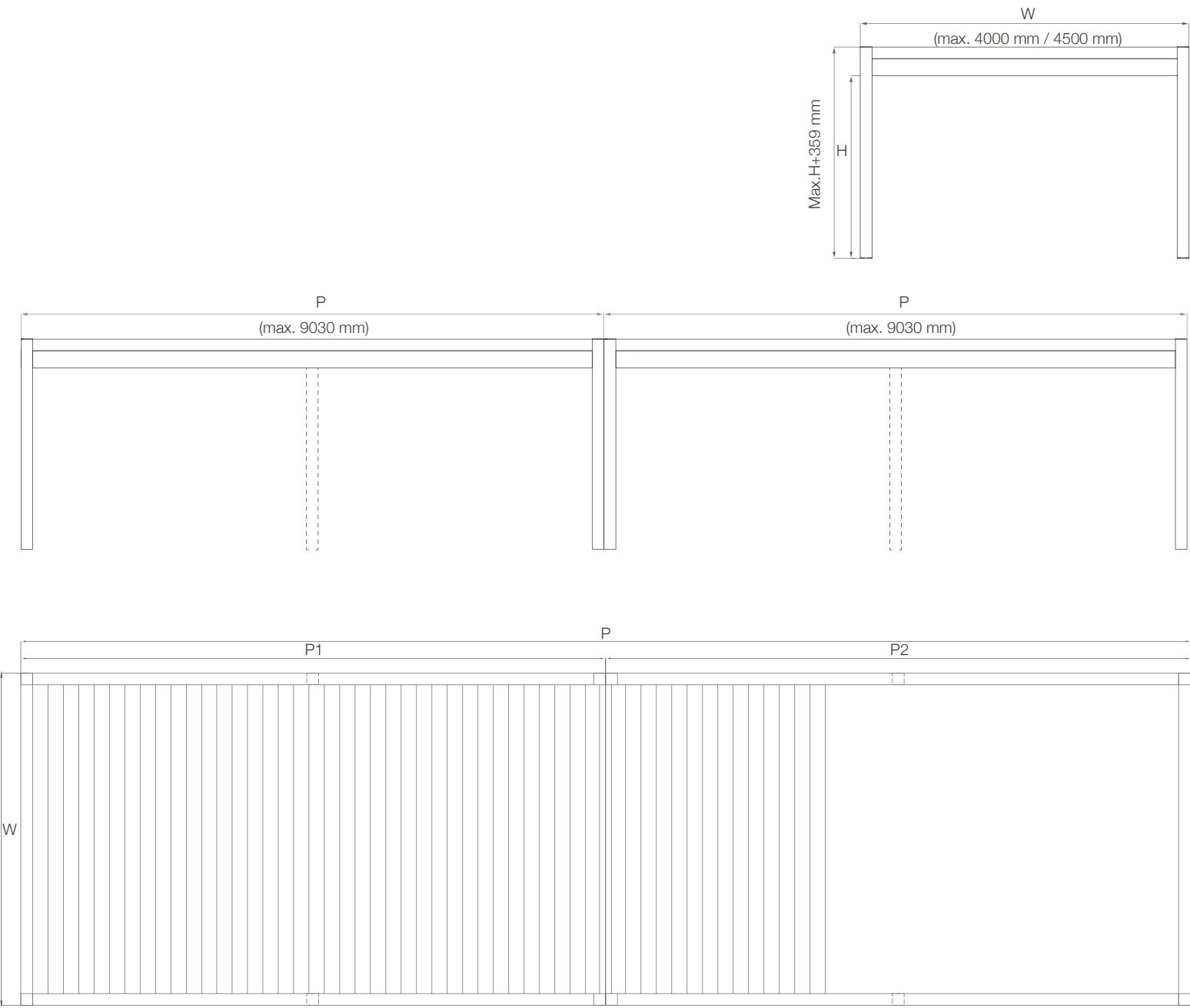
Multiple Modules Type 1
Two Sections

W: 9002 mm < 14000 mm
P: 1780 mm < 6030 mm



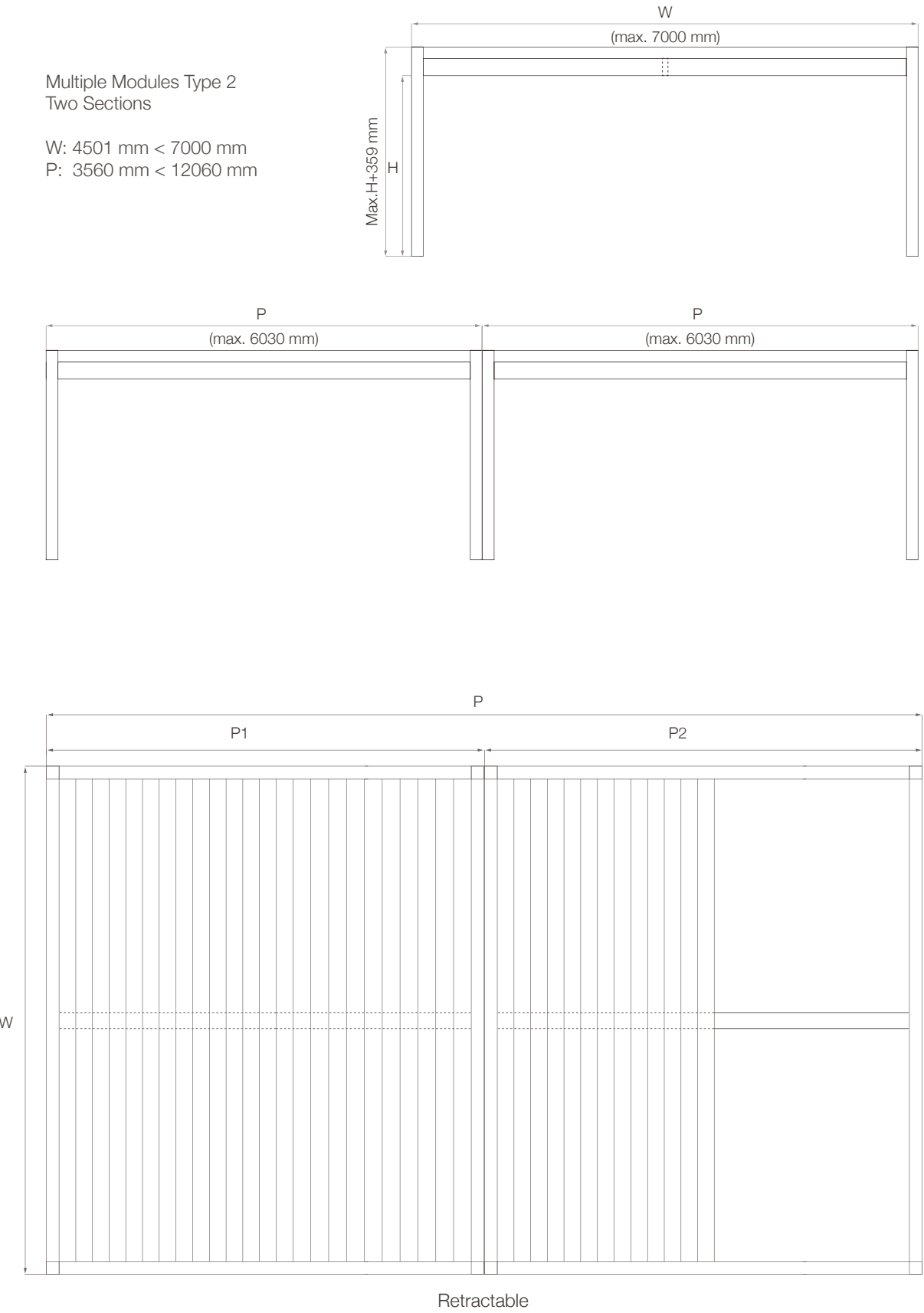
Multiple Modules Type 2
One Section

W: 1200 mm < 4500 mm
P: 3560 mm < 18060 mm



Multiple Modules Type 2
Two Sections

W: 4501 mm < 7000 mm
P: 3560 mm < 12060 mm



Company Name:
Order Reference:

Order Date:

INSTALLATION TYPES

- ☐ Self Standing
- ☐ Wall Mounting

☐ Louvres Parallel to Wall

☐ Louvres Vertical to Wall

QUANTITY: pc

DIMENSIONS

W - Total Width.....mm
P - Projectionmm
H - Post Height.....mm
Total Number of Posts Requiredpc

- ☐ If modules are multiple and each module is in different width or projection, please provide details for single module max.:
- One section 4500x9030 mm
- Two sections 7000x6030 mm

☐ Type 1 ☐ Type 2

W1mm P1mm
W2mm P2mm

See page 139-144 for detail

POWDER-COAT COLORS

Structure

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
<input type="checkbox"/> 7006	<input type="checkbox"/> OGN39	<input type="checkbox"/> ST7039	
<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

Louvres

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
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<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

LED LIGHTS

- ☐ Led Stripe Dimmer Lighting

☐ Cool White

☐ Day Light
- ☐ RGB Led - Hidden Stripe Lighting

SENSORS

- ☐ Rain Sensor
- ☐ Wind Sensor
- ☐ Sun Sensor
- ☐ Wind&Sun Sensor

OPTIONALS

- ☐ Additional Supporting Post
- ☐ Insulation Foam
- ☐ Edge Cover Profile

COLUMN BASE OPTIONS

- ☐ Hidden (Standard)
- ☐ Flange
- ☐ Flange With Cover Cap

FLANGE POSITIONS

- ☐ Type A
- ☐ Type B
- ☐ Type C

DRAINAGE TYPES

- ☐ Type I
- ☐ Type II
- ☐ Type III
- ☐ Type IV

PACKAGING

- ☐ Standard
- ☐ Wooden Crate

Extra cost

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



Max. width for single module	4500 mm (One Section) / 7000 mm (Two Sections)
Max. projection single module	9030 mm (One Section) / 6030 mm (Two Sections)
Rafter profile dimension	180x200 mm
Gutter profile dimension	180x200 mm
Post dimension	180x180 mm
Louvre dimension	237 mm
Louvre quantity in max. size	31 pcs
Louvre can be tilted up to	70°
Louvres parking area	23%

Automation	included
Control unit	included
Led Stripe Dimmer lighting	optional
RGB Led - Hidden Stripe lighting	optional
Insulation foam	optional
Edge Cover	optional
Flange	optional
Rain Sensor	optional
Wind Sensor	optional
Sun Sensor	optional
Wind&Sun Sensor	optional

Technical Specifications
Exxen

Spacious Retractable Scissors
Roof System

Description

Exxen is a bioclimatic covering solution that ensures comfort and reliefment with its retraction and large span.

Dimensions

One module

One Section

Width 1200 mm < 4500 mm

Projection 1780 mm < 9030 mm

Column Height 3000 mm

Two Sections

Width 4501 mm < 7000 mm

Projection 1780 mm < 6030 mm

- Blocked assembly for customized modules with a wide range of flexible combinations.

Technical Characteristics

- Extruded aluminium frame, blades & gutters - clean edges.
- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Concealed screws to offer clean finish.
- High grade stainless steel connection components.
- High strength timing belt for balanced movement inside rafters.
- Large span with 7000mm dimension.
- Projection availability up to 9030mm dimension.
- Remote control for operation of mechanism and lighting.
- Double-walled aerofoil louvres with superior strength and durability.
- Adjustable louvres for any position.
- Extended open sky when roof retracted.
- Dimmer option to adjust lux intensity.
- Antibacterial polyurethane foam insulation which can be integrated into the louvre to provide sound and heat insulation.
- Air and water insulation between joining axis of multiple applications is provided by U profile.

- Applicability of guillotine, sliding / sliding frame / folding glass and zip systems.
- Fully waterproof coverage when louvres are in fully closed position.
- Functional seal integration on louvre channel to prevent water leaking and provide extra insulation.
- Seal integration along structure for water insulation and temperature resistance.
- The water is flowed down to the main gutters by special drainage channels along the louvres and drained through columns.
- Optional edge cover profile which complete smooth design.
- Hidden direct drive double shaft motorbox with Somfy® motor operates retracting motion.
- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standarts.
- In addition to standart RAL colors, Exclusive and Texture range aluminium.

II | Profile Section Dimensions

Rafter	: 180 mm x 200 mm x 3,5 mm
Gutter	: 180 mm x 200 mm x 3,5 mm
Column	: 180 mm x 180 mm x 3,5 mm
Louvre	: 293 mm x 40 mm x 2,5 mm

III | Installation Methods

- Individual modules can be customised according to specified finish up to 4500mm width and 8030mm projection (one section) or finish up to 7000mm width and 6030mm projection (two sections) with flexible installation methods such as integration into existing frameworks, wall mounting and free standing for larger outdoor areas.
- System can be assembled as single or multiple modules.

IV | Columns

- Dimensions: 180 x 180 mm x 3,5 mm
- Simple column assembly.
- 3 different column base options: Hidden, Flange, Flange With Cover Cap.

V | Weather Resistance

Wind Resistance

- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

- The four sided gutter for completely ensured waterproofness.
- Water drainage with an intensity of 155 L/h/sqm that last up to 2 minutes maximum.

VI | Additional Equipments

- Heater, speaker or other automations can be integrated into the system.
- Rain and wind sensor can be adapted.

Rain sensor closes the blades automatically when it rains.

The blades should be closed when wind speed reaches to 102 km/hour to save under warranty terms.

VII | LED Lighting

Integrated RGB-Led Hidden Stripe and Led Stripe Dimmer Lighting on sides within the structure.

- Led Stripe Dimmer Lighting

Cool White, 60 LEDs/m I +5100-6500K I 1130 lumens/m

Day Light, 120 LEDs/m I +2800-3500K I 1094 lumens/m

- RGB Led-Hidden Stripe Lighting

96 LEDs/m

VIII | Sensors

Rain, wind, sun and wind & sun sensor can be adapted for an optimum level of comfort. These smart sensors are designed to respond fully automatic based on weather conditions in a specific situation. It functions as a protection against unexpectable weather conditions. Sensors will activate an automated system that close/retract the roof and protect the furniture &underneath of covered area even if you are not able to control the system.

Wind sensor

Wind sensor monitors the gust of wind then retract your outdoor product to protect it against unexpected strong winds and offers constant protection.

The wind speed value required to do this is set directly at the sensor. If the wind picks up significantly wind sensor will retract the roof depending on a pre-set wind speed. Thanks to ease of installation and minimal cabling it can be setup simply.

Sun sensor

Sun sensor provides automatic control of your outdoor coverings based on sunlight levels. It is used to respond to the intensity of the sun by controlling your pergola system accordingly.

It will adjust your roof position based on the sunlight intensity allowing you to control the sun light entering your house.

The sensor will close the roof when sunlight exceeds the set threshold automatically to create a comfortable outdoor living area by increasing energy efficiency and protecting furnishings from UV damage.

The sun sensor will activate and close the roof according to amount of light decreases.

Rain sensor

Rain sensor will automatically detect the rain and close your roof to prevent raindrops falling through open roof systems even if you are not able to control the system.

If rain is detected the pergola will be closed and the remote control will be needed to open it back.

Wind & Sun Sensor

Wind & Sun Sensor can be used together. Once the sun is above the sensitivity level the roof will close automatically to offer maximum convenience. If the wind picks up significantly wind sensor will retract the roof depending on a pre-set wind speed.

IX | Closures

Systems can be completely enclosed with Sapphire automatic vertical glass system, Swind windbreaker system, Violet, Framee, Slidia or motorised Vertex zip for further protection from the elements.

Sapphire

Sapphire is an automatic vertical guillotine glass system enriched with patented worm shaft technology.

- Systems can incorporate framed tempered 8 mm and 10 mm single or 4mm+12mm+4mm / 5mm+10mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Operation is motorised.
- Upwards or downwards parking position options.
- Fixed panels can be used as balustrades.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Switch, remote or smart home control availability.
- Fine frames with thermal and sound insulated rubber seals.
- Wide open view with up to 4 meters width vertical glass panels.

Cycle

Cycle is an automatic vertical guillotine glass system with strengthened chain mechanism.

- Systems can incorporate framed tempered 5mm+11mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Motorised operation with switch, remote or smart home control availability.

- Upwards or downwards parking position options.
- Balustrade usage ability with the handrail design that covers the glass panels.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Protected usage with safety sensor.
- Fine frames with thermal and sound insulated rubber seals.
- Easy assembly & disassembly with compact guide profile consisting of four parts.
- Wide open view with up to 4 meters width vertical glass panels.

Swind

Swind is an automatic vertical up-down glass panel.

- Electrostatic powder-coated frame.
- Extruded aluminium fix panel frame.
- Concealed screws to offer clean finish.
- Horizontal counterweight for smooth motion.
- High strength belt mechanism for balanced movement.
- 10mm fixed and 8mm up-down automatic moveable tempered glass panels.
- Frameless moveable glass panel for unobstructed view.
- Led stripe dimmer lighting integrated side frame / invisible electrical cables.
- Remote control for operation of mechanism and lighting.
- Fast opening-closing cycle.
- Fully hidden compact direct drive motor system.
- Ease of installation with single or multiple modules.
- Portability with optional wheel integration.
- Availability of usage as balustrade in closed position.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Violet

Violet glass balustrade system.

- Concealed screws to offer clean finish.
- Glass fixed pane is 8+1.52 pvb+8mm.
- Led stripe dimmer lighting integrated integrated underneath the glass / invisible electrical cables.
- Remote control for operation of lighting.
- Ease of installation with single or multiple modules.

- Availability of usage as Hand Rail (Optional).
- Compact & Easy Assembly.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Framee

Framee, sliding glass system with fine-framed double glazed panels.

- Double insulated glass (6+12+6mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Electrostatic powder-coated frame.
- Handle with Click Lock on first panel and Handle with Hidden Lock on the last panel on internal side of sliding panels for security measures.
- Combination availability with Vertex Zip System for sun protection.
- Available with 2,3 or 4 rails up to maximum 8 panels combined with side or central openings.
- Natural, stainless steel and black anodyse color options.

Slidia

Slidia is a sliding glass system with individual parallel glass panels.

- Electrostatic powder-coated frame.
- Features slim aluminum glass profiles.
- Individual panels can be moved horizontally with single or double slide options.
- Bottom wheel carriages with double rollers ensure optimum and smooth running even with wide glass panels.
- Successive panels can be moved by the grap mechanism.
- Height adjustable wheel carriages up to 5mm.
- Sloped rail design for efficient drainage.
- Anodised bottom rail for easy and smooth movement.
- Rain and wind resistance by double sided transparent gaskets (standard), transparent gaskets with brush or aluminum slats with brush.
- Brush and rubber cord for high frame insulation.
- Anti-slip rubber ensures safety passage and also offers ease of rail surface cleaning.
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 3 or 5 rails up to maximum 10 panels, combined with side or central openings.

Vertex Zip System

Vertex is a motorised external blind system.

- It provides comfortable shade and protects against the UV rays.
- The system includes motorised aluminium structure.
- Each screen has a pair of identical side channels.
- Entirely powder-coated with stainless steel components.
- Maximum protection against solar radiation and penetration of heat while preserving the optimal level of natural light in the interior and contact with environment.
- The production technology of fabrics ensures a high resistance to external influences such as wind or changes in temperature and humidity.

Wallfix

Wallfix is an aluminum louvered fixed wall system.

- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Compact & Easy Assembly with click louvre connection.
- Clean finishes with hidden joining details.
- Extruded aluminium fine line fixing frame.
- Concealed screws to offer clean finish.
- Large span with 6000mm dimension.
- Sound and heat insulation with double layered louvre (panel) design.
- Maximum safety with block assembly.

Doors

Glass door

- Frameless hinged and frameless hydraulic glass doors are available.
- Single tempered glass (10mm).
- Available with single panel and double panels (each panel in maximum 1000mm).
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Allen&Key lock for security.

Framed glass door

- Hinged and hydraulic framed glass doors are available.

- Electrostatic powder-coated frame.
- Available with double insulated single panel and double panels (each panel in maximum 1000mm).
- Double insulated glass (4+11+4mm).
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Push & Pull Bar handle types.
- Pull Handle/ Lock.

Photocell Door

- Aluminum framed automatic glass door.
- Electronic lock.
- Possibility of manuel usage in emergency situations.
- Electrostatic powder-coated frame.
- Available in Laminated glass (4+4mm).
- Single panel and double panel options (each panel in maximum 1000mm).
- Fast opening-closing cycle and insulation materials for preserving heat balance between indoor and outdoor.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- One side button or double side button and double sided transition control types.

X | Structure Color Options / Finishes

- The products are available with a wide range of colour options in standard or architectural textured coatings.
- In addition to standard RAL colors, Exclusive and Texture range aluminium colors can be offered.
- QualiMarine and Qualanod finishes are also available beside of Qualicoat finishes.

XI | Warranty

	Exxen	Sapphire	Cycle	Swind	Violet	Framee	Slidia	Vertex	Wallfix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

⇐ Retractable



Lighting Options

Led Stripe Dimmer Lighting

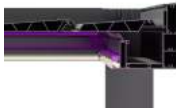
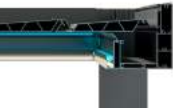
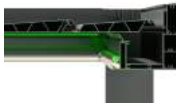
Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional

Insulation Foam



Edge Cover Profile

With



Without



Installation Types

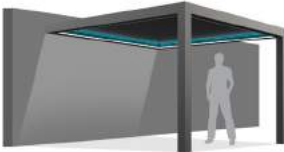
Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Sun Sensor



Wind&Sun Sensor



Closures

Sapphire& Cycle



Swind



Violet



Framee



Slidia

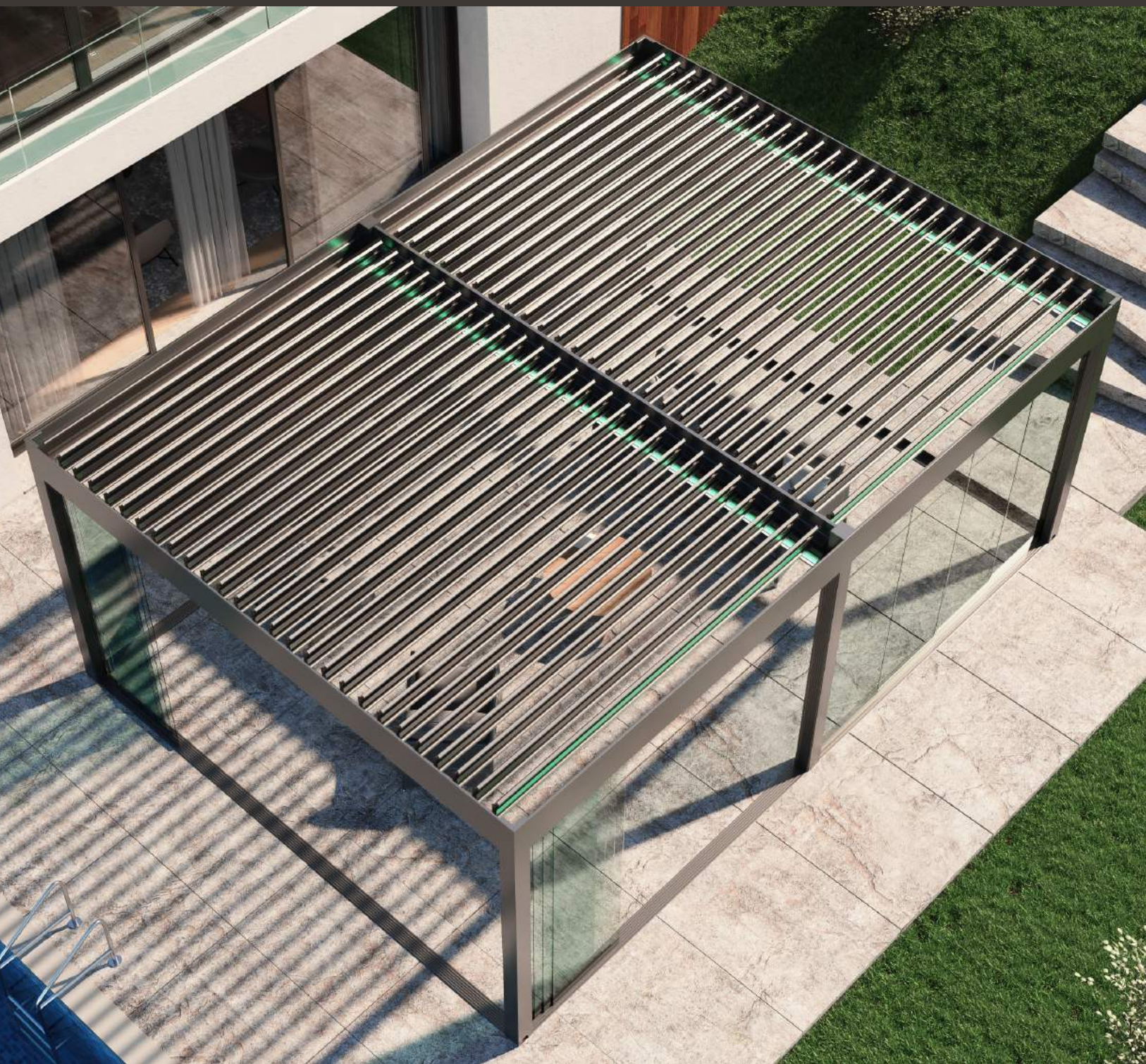


Vertex



Wallfix





AXIS

Customized architectural solutions...

Axis is a stylish modern bioclimatic outdoor covering system that meets demands of today's architecture. The distinctive form which has a balance between design and function is used to create customised outdoor architectural solutions for protection from the elements. The unique characteristic of system makes it a clear leader in its field and presents sophisticated technology combined with innovative concepts for modern style. System makes outdoor spaces more comfortable with high functional performance and creative custom-made solutions.

The aluminium louvres can be tilted up to 85° with a smooth and silent rotating movement via internal motor. The automation of system is fully hidden and operates with maximum performance & silent movement. It is possible to operate the louvres according to desired angle creating ventilation and shadow. The angle adjustable louvres provide natural air flow effect and exceptional quality of outdoor life in the open air with a high degree of flexibility for visual & thermal comfort while offering optimum conditions at any time of the day. Individual modules can be custom made in your specified finish up to 4.5m wide and 8m projection with flexible installation methods such as integration to existing structures, wall mounting and free standing for larger outdoor areas.

■ Led Stripe Dimmer Lighting

■ RGB Led-Hidden Stripe Lighting



Led Stripe Dimmer Ligting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinitive colour options.

Operations

Fully Closed



Tilted

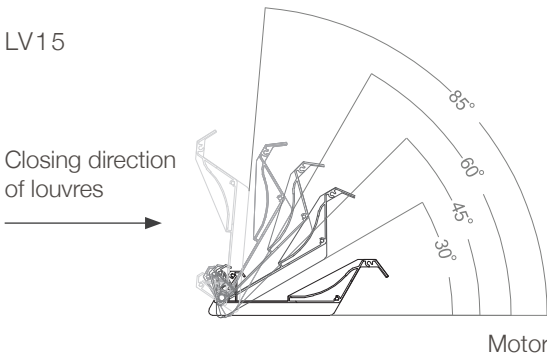


Tilted & Fully Closed

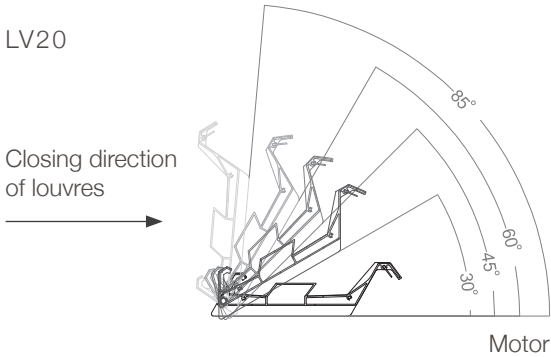


Louvre Closing Direction

LV15



LV20



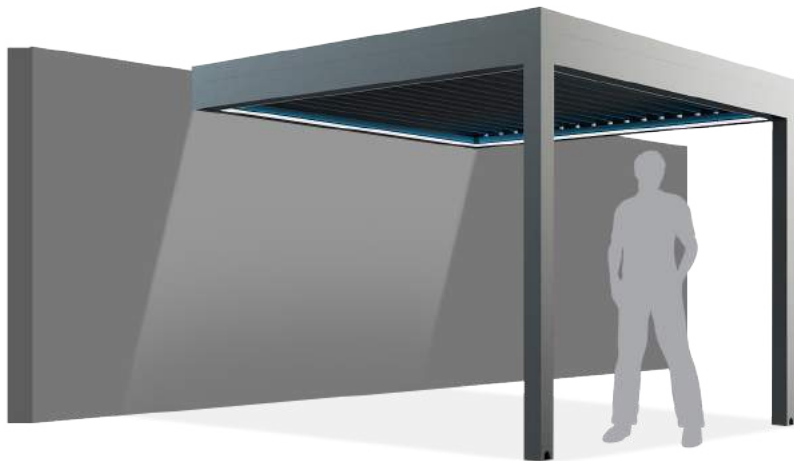
Tilting Directions



Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



Self Standing
Single Module



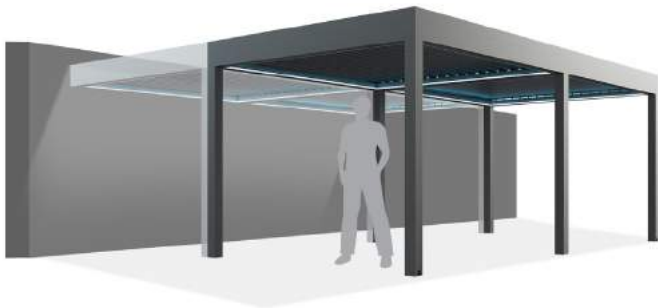
Wall Mounting
Single Module



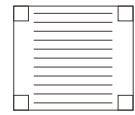
Self Standing
Multiple Modules



Wall Mounting
Multiple Modules



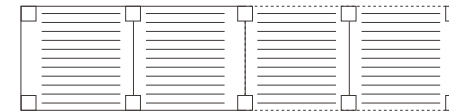
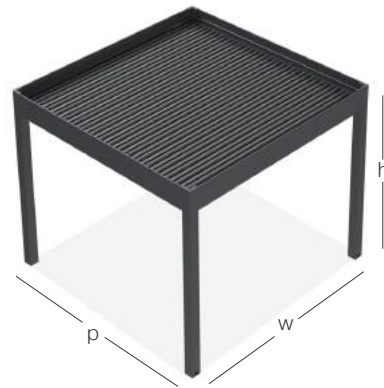
Blocked assembly for customized modules with a wide range of flexible combinations.



(w) Width
1000 mm < 4500 mm

(p) Projection
LV15 1174mm < 7810mm
LV20 1474mm < 7922mm

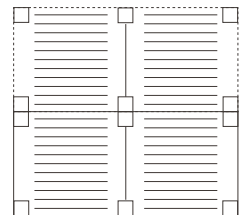
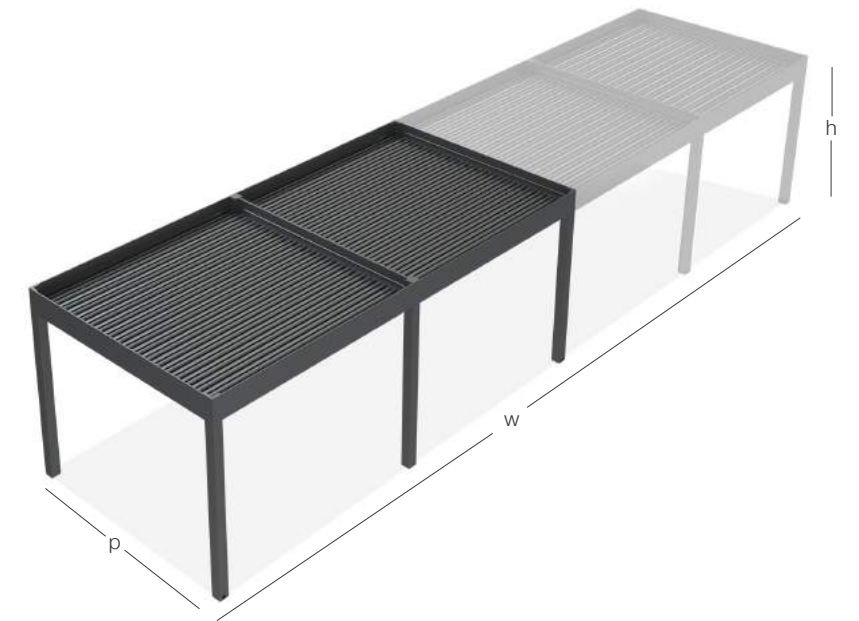
(h) Height
3000 mm



(w) Width
4000 mm < 18000 mm

(p) Projection
LV15 1174mm < 7810mm
LV20 1474mm < 7922mm

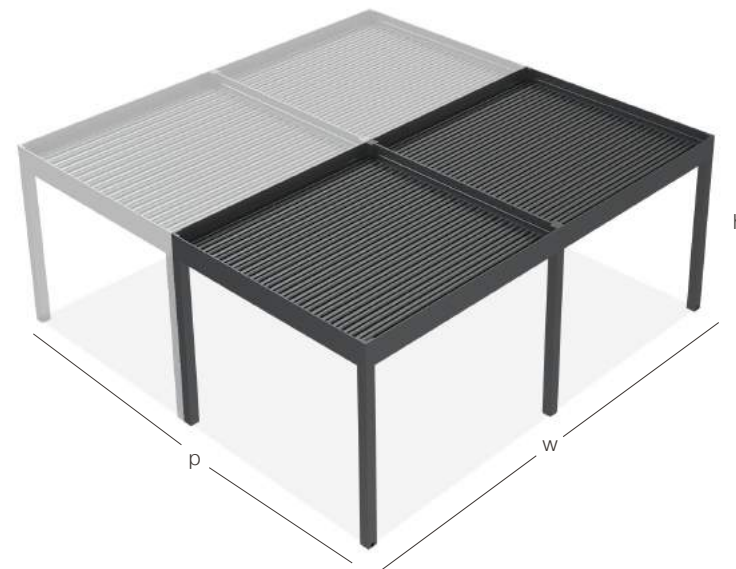
(h) Height
3000 mm



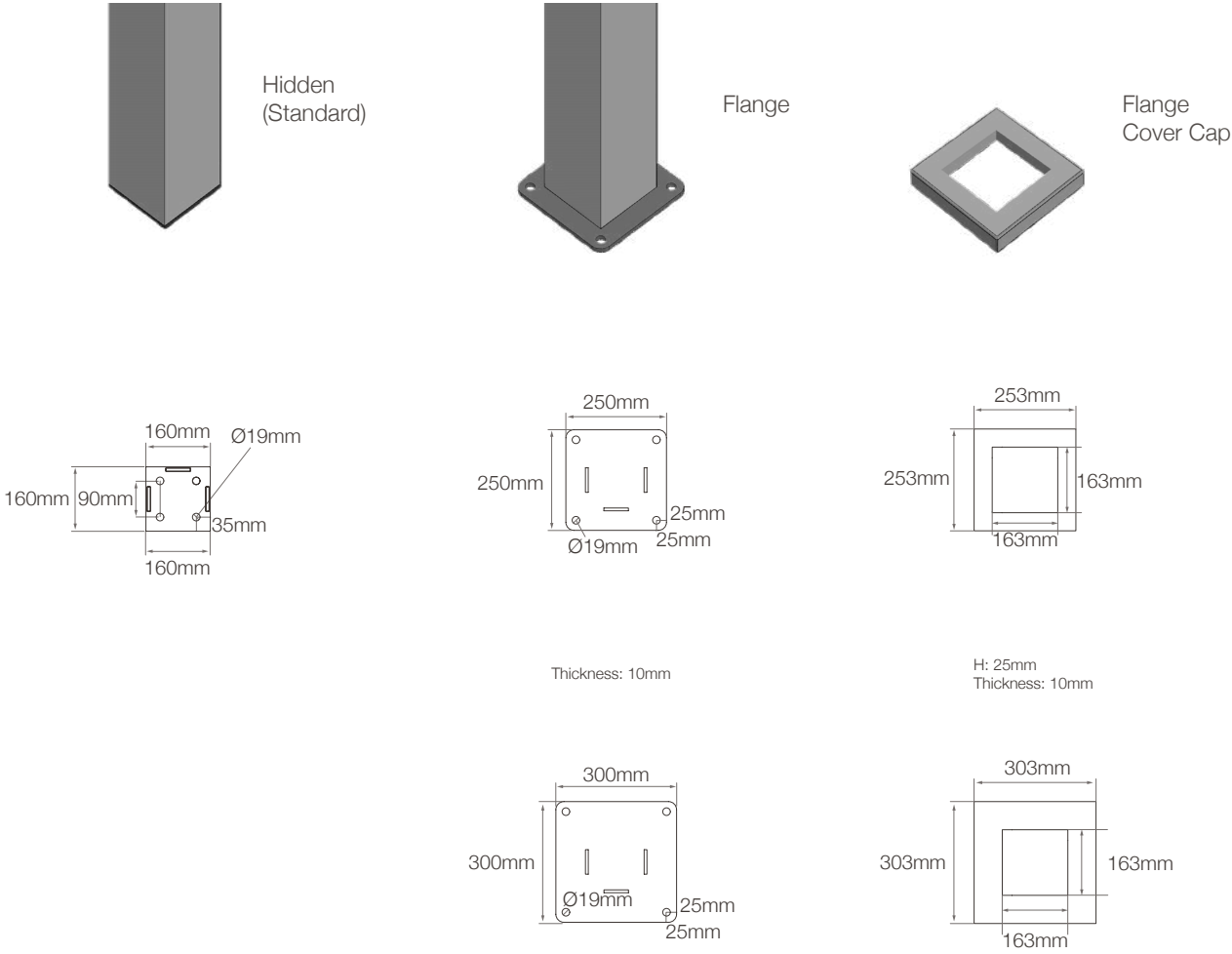
(w) Width
2000 mm < 9000 mm

(p) Projection
LV15 2348mm < 15620mm
LV20 2948mm < 15844mm

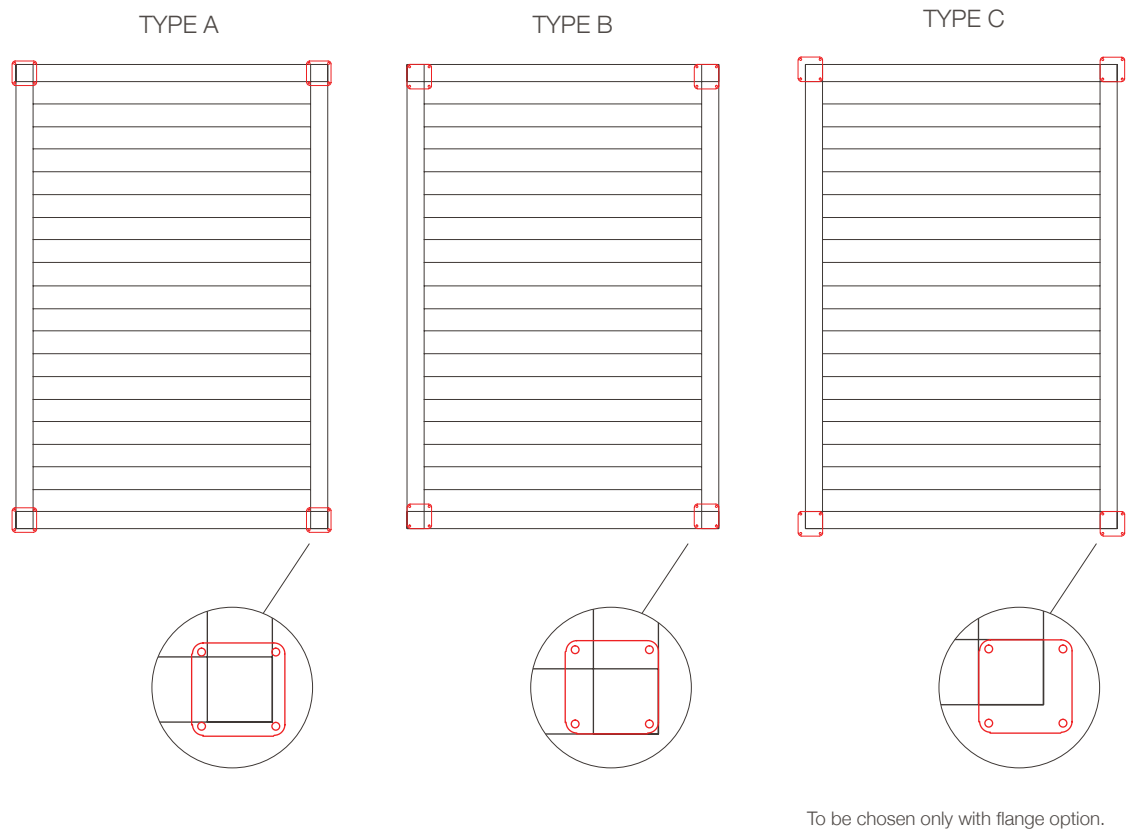
(h) Height
3000 mm



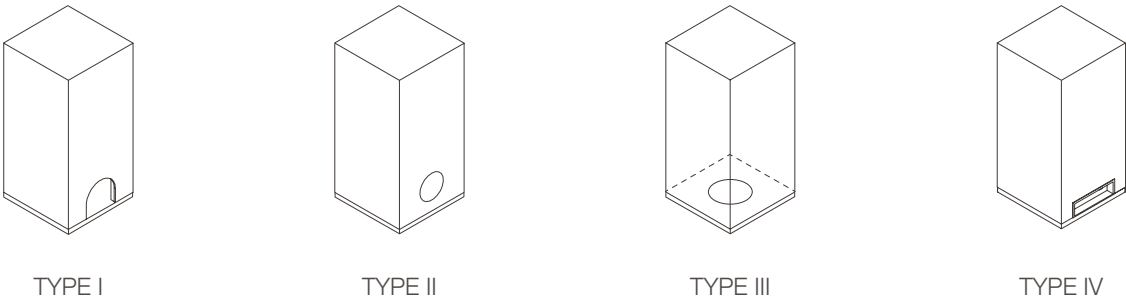
Column Base Options



Flange Positions

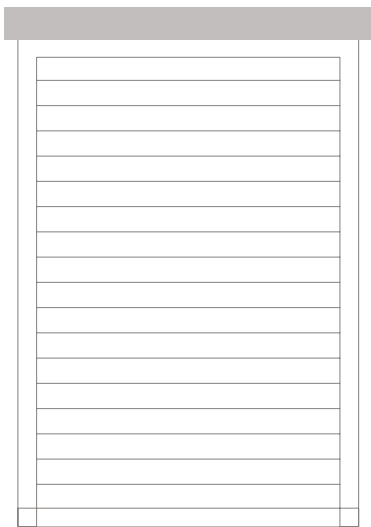


Drainage Types

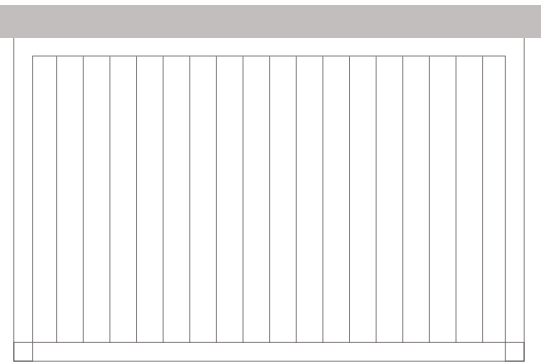


Wall Installation Louvre Positions

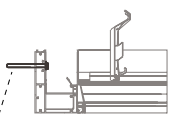
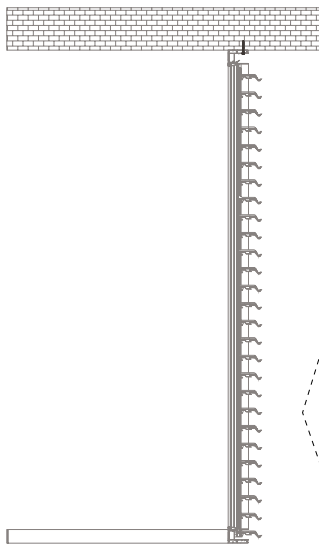
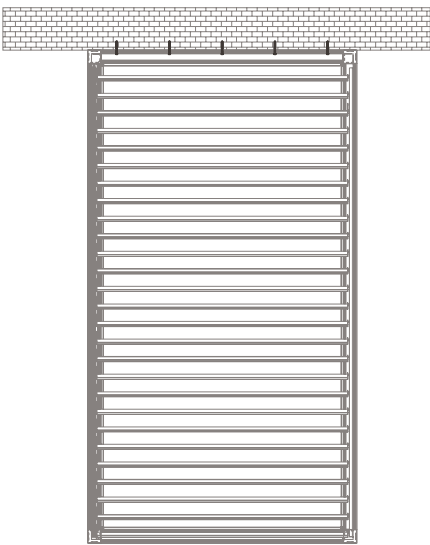
Parallel To Wall



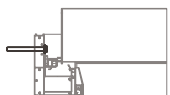
Vertical To Wall



Mounting

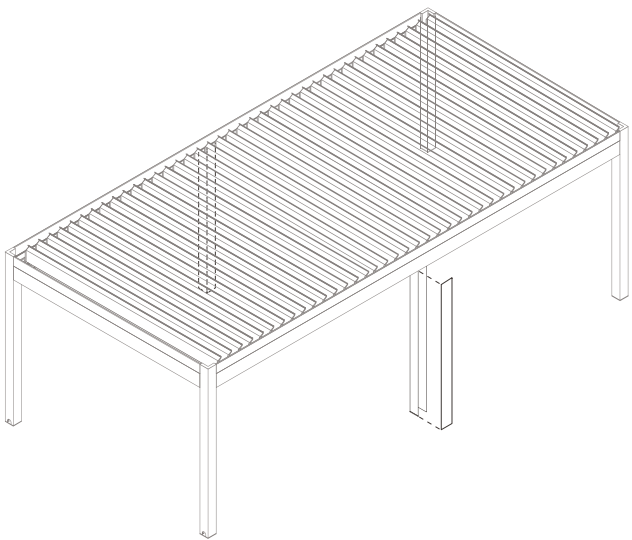


Easy wall mounting by screwing inox bolts through gutter profile. Any additional brackets are not required.



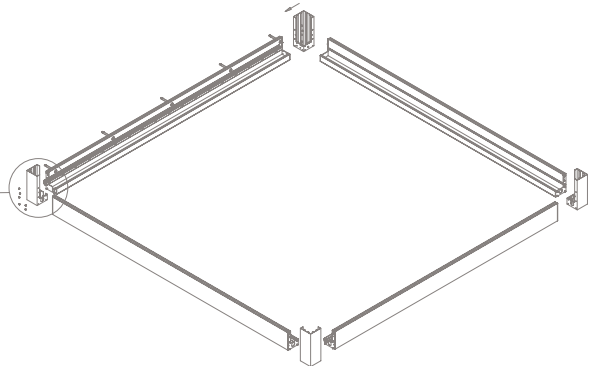
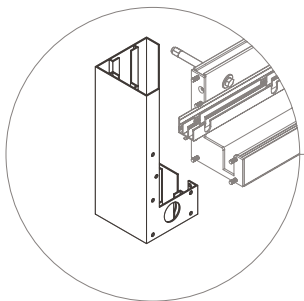
Support Column

Over 6862 mm (LV15), 6882 mm (LV20) projection dimension support columns need to be used.

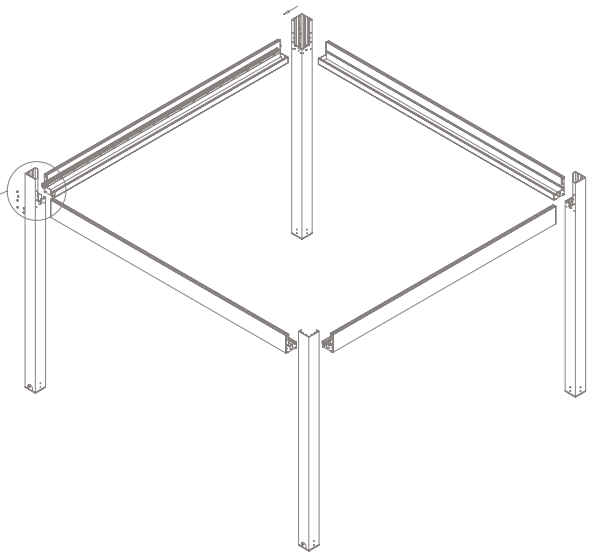
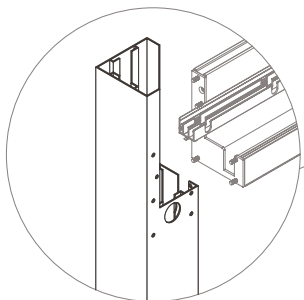


The CNC machine cut corner profiles provide easy gutter and column integration.

Wall Mounting

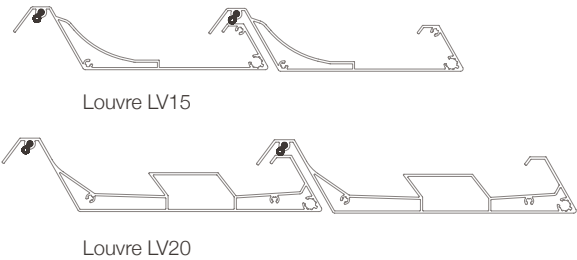


Self Standing

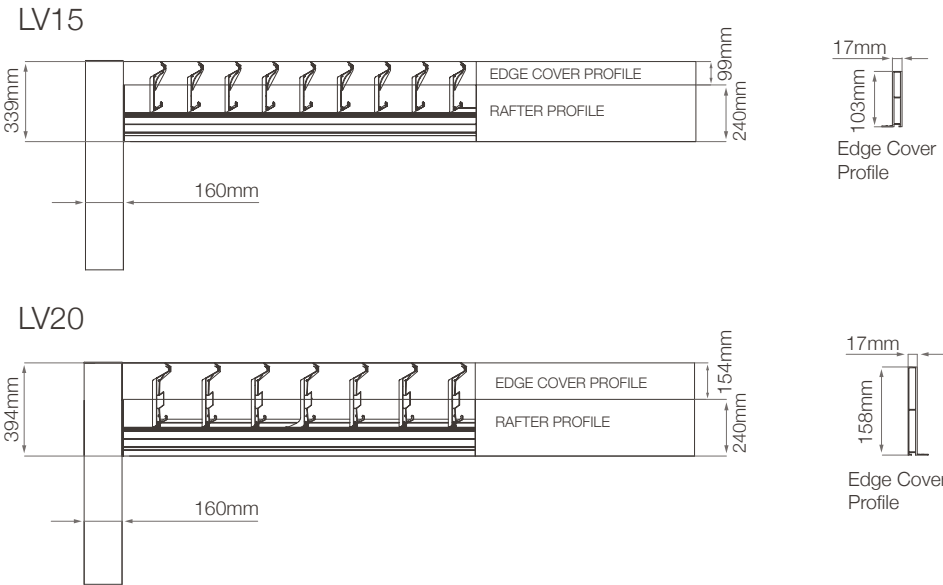


Louvre Stormguard Seal

Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.



Side Elevation





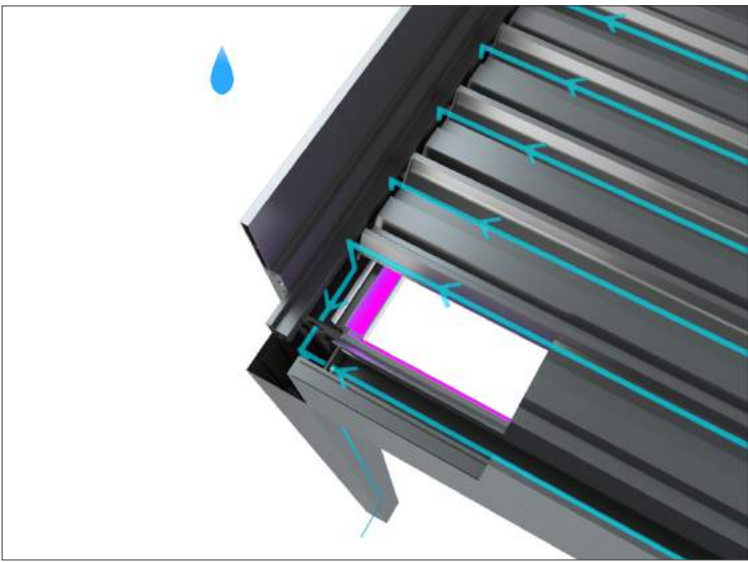
Slightly opening of louvres creates natural air flow for application areas.



Protecting from sun exposure while ensuring air ventilation under the system .



Ensuring waterproof coverage when louvres are in fully closed position.



Each channel on louvres drain the water through four sided gutters connected with columns.



LV15



LV20

Functional seal integrated on louver channels provides maximum protection from water dripping.

Closures



Sapphire/Cycle Guillotine Glass System
System can be adapted to Axis system and offers a maximum clear span that provides unobstructed view & minimalistic style. The system is operated by just the touch of button.



Swind-Motorised Windbreaker System
Swind can be combined with also Axis system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. The system is modular and completely flexible as there are no limits in the horizontal direction that can be used to surround spaces of all types and sizes.



Violet Glass Balustrade System
The adaptability of Violet fixed balustrade glass with Axis creates a stunning visual transparency without lacking of obstruction to lines of sight. The stylish lighting solution that is integrated underneath the glass highlights attractive aspect of the design by amplifying overall aesthetic of outdoors. Thanks to flexible and multiple modular implementations, system can be used to cover comprehensive areas without limitation in the horizontal direction.



Framee Sliding Glass System
Minimal line of Framee system is perfectly matching with modern architectural Axis system by insulated fine-framed sliding glass panels. System offers a comfortable sliding with easy individual movement.



Slidia Sliding Glass System
The combination of the sliding glass system with Axis ensures efficacious protection from wind and rain. The aluminium frames which cover each glass panel provide maximum safety standards and practicality with elegance details.



Vertex Zip Screen System
The minimalist, slimlane, contemporary design of the zip system provides comfortable shade and protects against the UV rays. The system includes motorised aluminium structure, entirely powder-coated with stainless steel bolts and screws.



Wallfix Fixed Side Enclosure
The unique designed privacy of Wallfix side enclosure can be combined with Axis system to optimise outdoor living areas visually.

Dimension Ranges LV15

Width dimension: Any customised values between 1800mm and 4500mm
Projection dimension: Adjustable according to louvre quantity

		WIDTH									
		1800									4500
NR. OF LOUVRES	PROJECTION	6	1174								
		7	1332								
		8	1490								
		9	1648								
		10	1806								
		11	1964								
		12	2122								
		13	2280								
		14	2438								
		15	2596								
		16	2754								
		17	2912								
		18	3070								
		19	3228								
		20	3386								
		21	3544								
		22	3702								
		23	3860								
		24	4018								
		25	4176								
		26	4334								
		27	4492								
		28	4650								
		29	4808								
		30	4966								
		31	5124								
		32	5282								
		33	5440								
		34	5598								
		35	5756								
		36	5914								
		37	6072								
		38	6230								
		39	6388								
		40	6546								
		41	6704								
		42	6862								
		43	7020								
		44	7178								
		45	7336								
		46	7494								
		47	7652								
		48	7810								

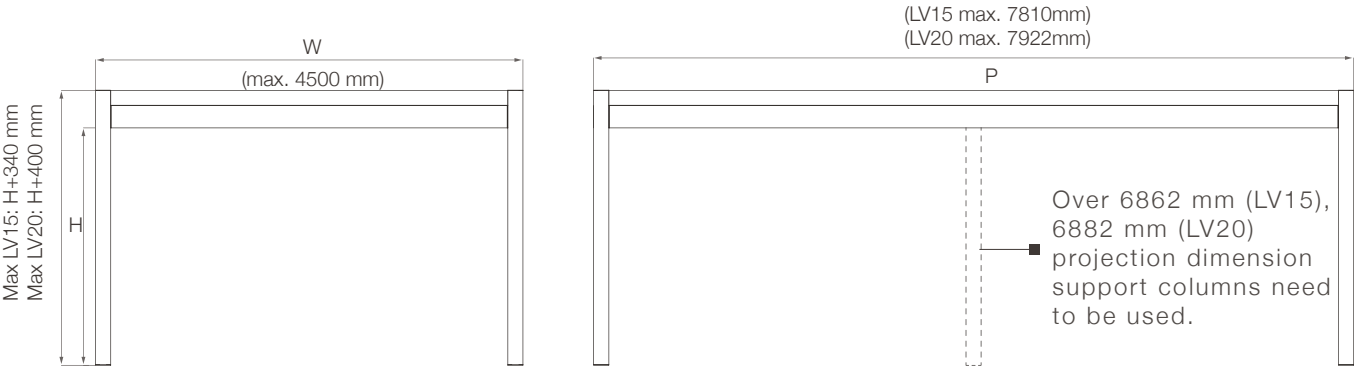
Dimension Ranges LV20

Width dimension: Any customised values between 1800mm and 4500mm
Projection dimension: Adjustable according to louvre quantity

		WIDTH									
		1800									4500
NR. OF LOUVRES	PROJECTION	6	1474								
		7	1682								
		8	1890								
		9	2098								
		10	2306								
		11	2514								
		12	2722								
		13	2930								
		14	3138								
		15	3346								
		16	3554								
		17	3762								
		18	3970								
		19	4178								
		20	4386								
		21	4594								
		22	4802								
		23	5010								
		24	5218								
		25	5426								
		26	5634								
		27	5842								
		28	6050								
		29	6258								
		30	6466								
		31	6674								
		32	6882								
		33	7090								
		34	7298								
		35	7506								
		36	7714								
		37	7922								

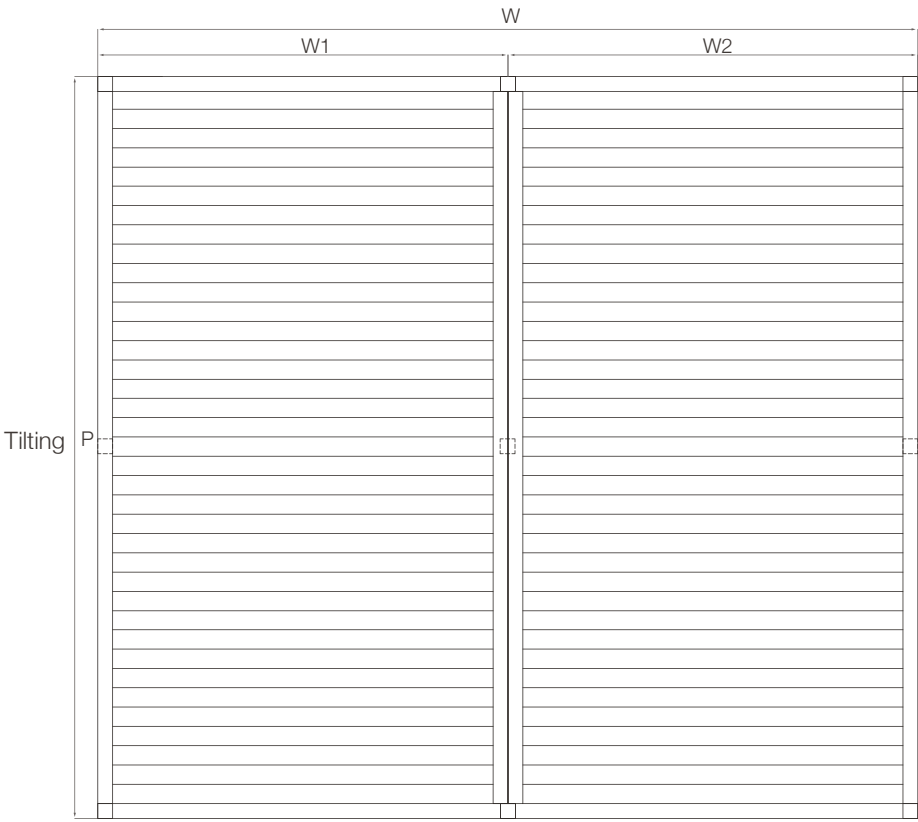
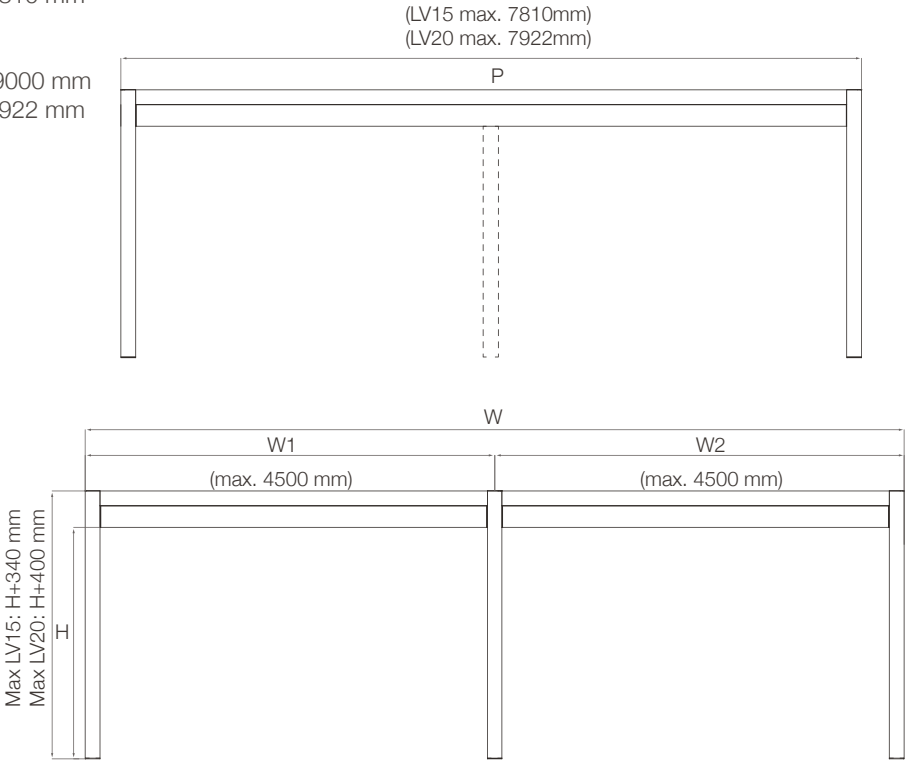
Single Module
LV15
W: 1000 mm < 4500 mm
P: 1174 mm < 7810 mm

LV20
W: 1000 mm < 4500 mm
P: 1474 mm < 7922 mm



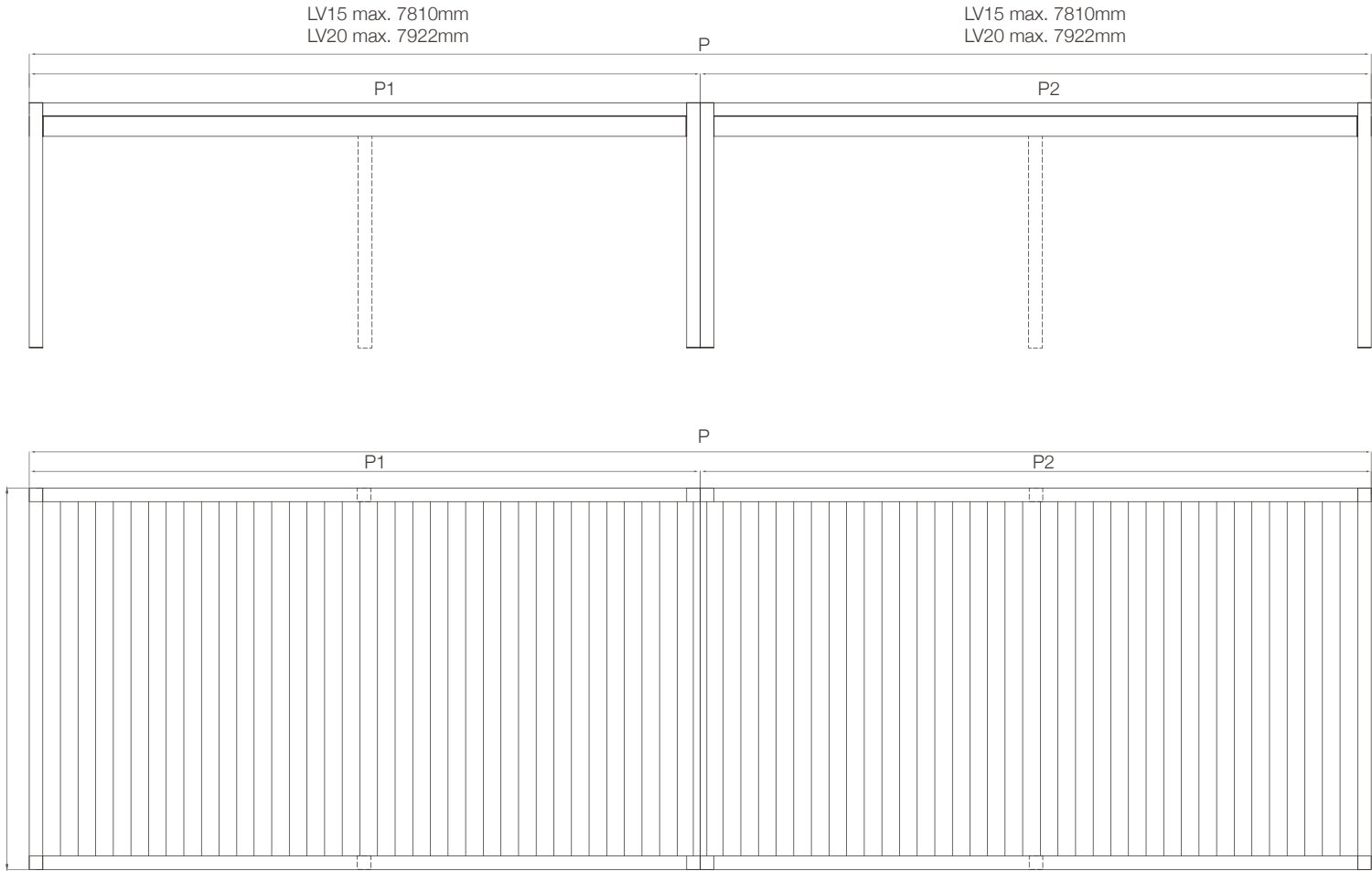
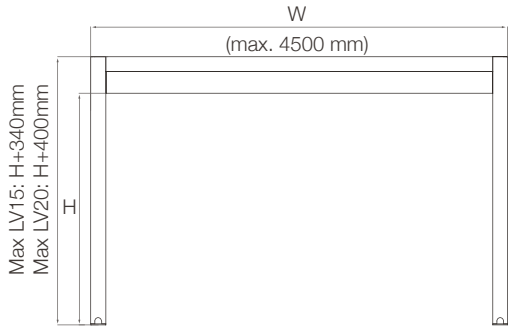
Multiple Modules Type 1
LV15
W: 2000 mm < 9000 mm
P: 1174 mm < 7810 mm

LV20
W: 2000 mm < 9000 mm
P: 1474 mm < 7922 mm



Multiple Modules Type 2
LV15
W: 1000 mm < 4500 mm
P: 2348 mm < 15620 mm

LV20
W: 1000 mm < 4500 mm
P: 2948 mm < 15844 mm



W

Order Form

Company Name:
Order Reference:

Order Date:

LOUVRE OPTION

- ☐ LV15
☐ LV20

INSTALLATION TYPES

- ☐ Self Standing
☐ Wall Mounting
☐ Louvres Parallel to Wall
☐ Louvres Vertical to Wall

QUANTITY: pc

☐ If modules are multiple and each module is in different width or projection. Please provide details (single module max. dimension is 4500x7860 mm / LV15 or 4500x7922 mm / LV20)

DIMENSIONS

W - Total Width..... mm
P - Projection mm
H - Post Height..... mm
Total Number of Posts Required pc

- ☐ Type 1
W1 mm
W2 mm
....
....
- ☐ Type 2
P1 mm
P2 mm
....
....

POWDER-COAT COLORS

Structure

- | RAL colors | Exclusive colors | Texture colors | |
|-------------------------------|--------------------------------|---------------------------------|------------------------------------|
| <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | <input type="checkbox"/> Other ... |
| <input type="checkbox"/> 1013 | <input type="checkbox"/> OS561 | <input type="checkbox"/> ST9001 | |
| <input type="checkbox"/> 9006 | <input type="checkbox"/> OY395 | <input type="checkbox"/> ST1013 | |
| <input type="checkbox"/> 7006 | <input type="checkbox"/> OGN39 | <input type="checkbox"/> ST7039 | |
| <input type="checkbox"/> 7016 | <input type="checkbox"/> ON617 | <input type="checkbox"/> ST7016 | |
| <input type="checkbox"/> 9005 | <input type="checkbox"/> ON611 | <input type="checkbox"/> ST8019 | |

Louvres

- | RAL colors | Exclusive colors | Texture colors | |
|-------------------------------|--------------------------------|---------------------------------|------------------------------------|
| <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | <input type="checkbox"/> Other ... |
| <input type="checkbox"/> 1013 | <input type="checkbox"/> OS561 | <input type="checkbox"/> ST9001 | |
| <input type="checkbox"/> 9006 | <input type="checkbox"/> OY395 | <input type="checkbox"/> ST1013 | |
| <input type="checkbox"/> 7006 | <input type="checkbox"/> OGN39 | <input type="checkbox"/> ST7039 | |
| <input type="checkbox"/> 7016 | <input type="checkbox"/> ON617 | <input type="checkbox"/> ST7016 | |
| <input type="checkbox"/> 9005 | <input type="checkbox"/> ON611 | <input type="checkbox"/> ST8019 | |

LED LIGHTS

- ☐ Led Stripe Dimmer Lighting
☐ Cool White
☐ Day Light
☐ RGB Led - Hidden Stripe Lighting

SENSORS

- ☐ Rain Sensor
☐ Wind Sensor

OPTIONALS

- ☐ Supporting Post
☐ Insulation Foam
*Avl. for LV20 only
☐ Edge Cover Profile

COLUMN BASE OPTIONS

- ☐ Hidden (Standard)
☐ Flange
☐ Flange With Cover Cap

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

- ☐ Type I
☐ Type II
☐ Type III
☐ Type IV

PACKAGING

- ☐ Standard
☐ Wooden Crate
Extra cost

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



	LV15	LV20
Max. width for single module	4500 mm	4500 mm
Max. projection single module	7810 mm	7922 mm
Rafter profile dimension	160x240 mm	160x240 mm
Post dimension	160x160 mm	160x160 mm
Edge cover profile dimension	99 mm	154 mm
Louvre dimension	150 mm	200 mm
Louvre quantity with max. size	48 pcs	37 pcs
Louvre can be tilted up to	85°	85°
Automation	included	included
Control unit	included	included
Led Stripe Dimmer lighting	optional	optional
RGB Led - Hidden Stripe lighting	optional	optional
Insulation foam	N/A	optional
Edge cover profile	optional	optional
Drainage pipe	optional	optional
Flange	optional	optional
Rain Sensor	optional	optional
Wind Sensor	optional	optional

Technical Specifications
Axis

New Generation Outdoor Covering Solutions
Bioclimatic Systems With Tilting Function

Description

Axis is a new generation of high-tech bioclimatic covering solution that is composed of a high grade structural aluminium frame and tilting aerofoil louvres.

Dimensions

One module

Width 1000 mm < 4500 mm

Projection 1174 mm < 7810 mm(LV15) / 1474 mm < 7922 mm(LV20)

Height 3000 mm

- Blocked assembly for customized modules with a wide range of flexible combinations.

Technical Characteristics

- Extruded aluminium frame, blades & gutters - clean edges.
- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Concealed screws to offer clean finish.
- High grade stainless steel connection components.
- Large span with 4500mm dimension.
- Double-walled or single-walled aerofoil louvres with superior strength and durability.
- Invisible 15 mm slope on louvres for maximum water flow efficiency.
- Adjustable louvres for any position within the 85° range.
- Remote control for operation of mechanism and lighting.
- Dimmer option to adjust lux intensity.
- Antibacterial polyurethane foam insulation which can be integrated into the louvre to provide sound and heat insulation. (Available for Axis LV20).
- Fully waterproof coverage when louvres are in fully closed position.

- Functional seal integration on louvre channel to prevent water leaking and provide extra insulation.
- Seal integration along structure for water insulation and temperature resistance.
- The water is flowed down to the main gutters by special drainage channels along the louvres and drained through columns.
- Optional edge cover profile which complete smooth design.
- Hidden IP68 protection class,12/24VDC power supplied linear actuator motor with stainless steel piston rod that enables the louvre to rotate.
- Applicability of guillotine, sliding / sliding frame / folding glass and zip systems.
- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standarts.
- In addition to standart RAL colors, Exclusive and Texture range aluminium colors can be offered as extended selection.
- Functional louvre lay out in parallel or vertical position to wall.

II | Profile Section Dimensions

- Rafter / Gutter** : 160 mm x 240 mm x 3 mm
- Column** : 160 mm x 160 mm x 3 mm
- Louvre LV15** : 206 mm x 50 mm x 1,8 mm
- Louvre LV20** : 261 mm x 60 mm x 2 mm

III | Installation Methods

- Individual modules can be customised according to specified finish up to 4500mm width and 8000 mm projection with flexible installation methods such as integration into existing frameworks, wall mounting and free standing for larger outdoor areas.
- System can be assembled as single or multiple modules.

V | Columns

- Dimensions: 160 x 160 mm x 3 mm.
- Simple column assembly.
- The column cavity conceals the wiring cables of heater, speaker or automation to provide pure appearance.
- 3 different column base options: Hidden, Flange, Flange With Cover Cap.

V | Weather Resistance

Wind Resistance

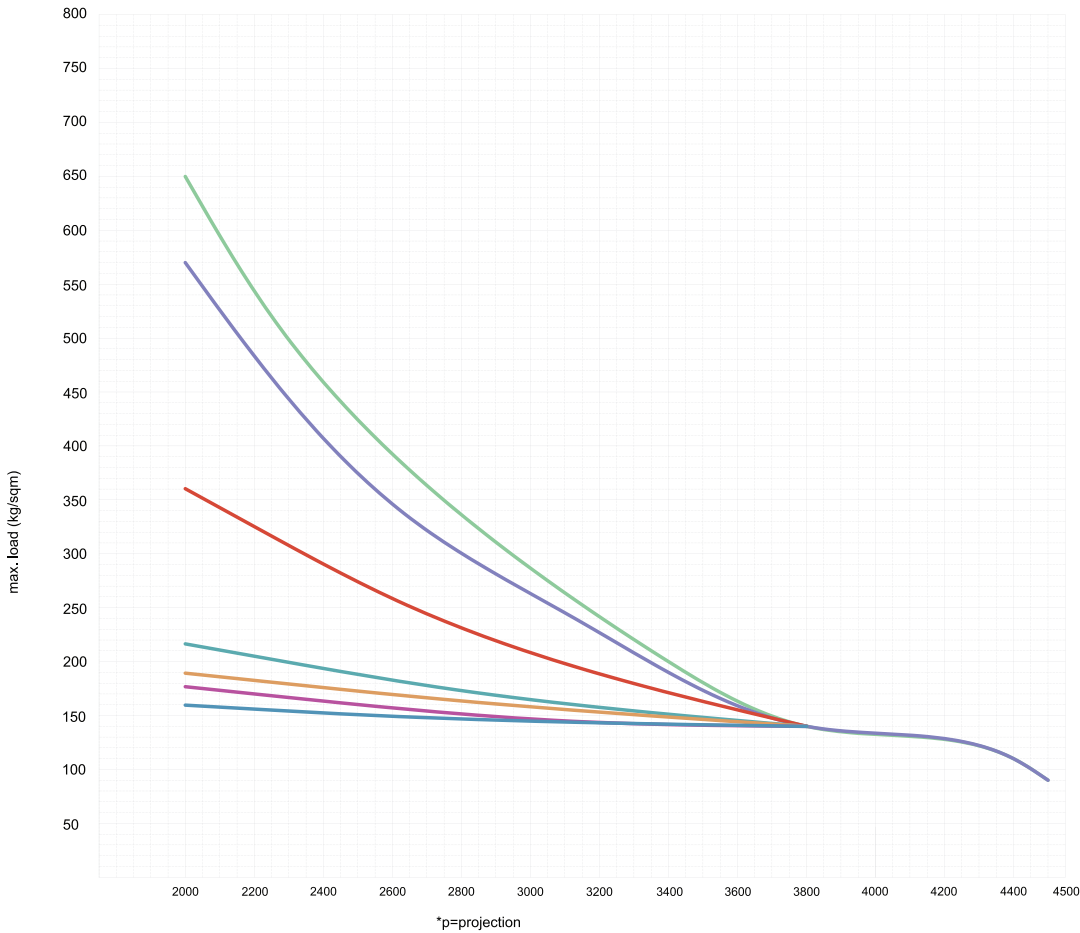
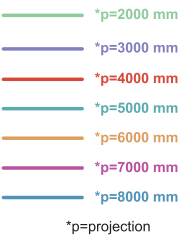
- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

- The four sided gutter for completely ensured waterproofness.
- Water drainage with an intensity of 155 L/h/sqm that last up to 2 minutes maximum.
- Customised drain points flexibility.

Snow load

See dimension based snow chart below.



VI | Tests

Our systems are subjected to variety of tests in order to check their resistance under every type of circumstances.

Tests done following the requirements of International Standards involving parameters such as wind resistance and rainfall or snowfall demonstrate the excellent performance of our pergolas against the most adverse conditions.



Standard UNE-EN 13659:2004+A class 6 (approx. 102 km/h) tested up to 102 km/h without breaking within test bench parameters.



≤650 kg/m2 (including its own weight) Standard EN-1999 EUROCODE 9 aluminium structures project.

*Values will be decreased based width and projection dimensions.



Standard UNE-EN 12056-3, (0,04 l/s max.) constant heavy rain aprox. 155 l.m2/h (structures + slats).

VII | Additional Equipments

- Heater, speaker, air conditioner or other automations can be integrated.
- Wind and rain sensors can be adapted.

VIII | Lighting

Integrated RGB-Led Hidden Stripe and Led Stripe Dimmer Lighting on sides within the structure.

- Led Stripe Dimmer Lighting

Cool White, 60 LEDs/m l +5100-6500K l 1130 lumens/m

Day Light, 120 LEDs/m l +2800-3500K l 1094 lumens/m

- RGB Led-Hidden Stripe Lighting

60 LEDs/m

IX | Sensors

Wind and rain sensors can be adapted for an optimum level of comfort. These smart sensors are designed to respond fully automatic based on weather conditions in a specific situation. It functions as a protection against unexpectable weather conditions.

Sensors will activate an automated system that close/retract the roof and protect the furniture & underneath of covered area even if you are not able to control the system.

Wind sensor

Wind sensor monitors the gust of wind then retract your outdoor product to protect it against unexpected strong winds and offers constant protection.

The wind speed value required to do this is set directly at the sensor. If the wind picks up significantly wind sensor will close the roof depending on a pre-set wind speed. Thanks to ease of installation and minimal cabling it can be setup simply.

Rain sensor

Rain sensor will automatically detect the rain and close your roof to prevent raindrops falling through open roof systems even if you are not able to control the system.

If rain is detected the pergola will be closed and the remote control will be needed to open it back.

X | Closures

Systems can be completely enclosed with Sapphire automatic vertical glass system, Swind windbreaker system, Violet, Framee, Slidia or motorised Vertex zip for further protection from the elements.

Sapphire

Sapphire is an automatic vertical guillotine glass system enriched with patented worm shaft technology.

- Systems can incorporate framed tempered 8 mm and 10 mm single or 4mm+12mm+4mm / 5mm+10mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Operation is motorised.
- Upwards or downwards parking position options.
- Fixed panels can be used as balustrades.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Switch, remote or smart home control availability.
- Fine frames with thermal and sound insulated rubber seals.
- Wide open view with up to 4 meters width vertical glass panels.

Cycle

Cycle is an automatic vertical guillotine glass system with strengthened chain mechanism.

- Systems can incorporate framed tempered 5mm+11mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Motorised operation with switch, remote or smart home control availability.
- Upwards or downwards parking position options.
- Balustrade usage ability with the handrail design that covers the glass panels.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Protected usage with safety sensor.
- Fine frames with thermal and sound insulated rubber seals.
- Easy assembly & disassembly with compact guide profile consisting of four parts.
- Wide open view with up to 4 meters width vertical glass panels

Swind

Swind is an automatic vertical up-down glass panel.

- Electrostatic powder-coated frame.
- Extruded aluminium fix panel frame.
- Concealed screws to offer clean finish.
- Horizontal counterweight for smooth motion.
- High strength belt mechanism for balanced movement.
- 10mm fixed and 8mm up-down automatic moveable tempered glass panels.
- Frameless moveable glass panel for unobstructed view.
- Led stripe dimmer lighting integrated side frame / invisible electrical cables.
- Remote control for operation of mechanism and lighting.
- Fast opening-closing cycle.
- Fully hidden compact direct drive motor system.
- Ease of installation with single or multiple modules.
- Portability with optional wheel integration.
- Availability of usage as balustrade in closed position.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Violet

Violet glass balustrade system.

- Concealed screws to offer clean finish.
- Glass fixed pane is 8+1.52 pvb+8mm
- Led stripe dimmer lighting integrated integrated underneath the glass / invisible electrical cables.
- Remote control for operation of lighting.
- Ease of installation with single or multiple modules.
- Availability of usage as Hand Rail (Optional).
- Compact & Easy Assembly.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Framee

Framee, sliding glass system with fine-framed double glazed panels.

- Double insulated glass (6+12+6mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.

- Electrostatic powder-coated frame.
- Handle with Click Lock on first panel and Handle with Hidden Lock on the last panel on internal side of sliding panels for security measures.
- Combination availability with Vertex Zip System for sun protection.
- Available with 2,3 or 4 rails up to maximum 8 panels combined with side or central openings.
- Natural, stainless steel and black anodyse color options.

Slidia

Slidia is a sliding glass system with individual parallel glass panels.

- Electrostatic powder-coated frame.
- Features slim aluminum glass profiles.
- Individual panels can be moved horizontally with single or double slide options.
- Bottom wheel carriages with double rollers ensure optimum and smooth running even with wide glass panels.
- Successive panels can be moved by the grap mechanism.
- Height adjustable wheel carriages up to 5mm.
- Sloped rail design for efficient drainage.
- Anodised bottom rail for easy and smooth movement.
- Rain and wind resistance by double sided transparent gaskets (standard), transparent gaskets with brush or aluminum slats with brush.
- Brush and rubber cord for high frame insulation.
- Anti-slip rubber ensures safety passage and also offers ease of rail surface cleaning.
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 3 or 5 rails up to maximum 10 panels, combined with side or central openings.

Vertex Zip System

Vertex is a motorised external blind system.

- It provides comfortable shade and protects against the UV rays.
- The system includes motorised aluminium structure.
- Each screen has a pair of identical side channels.
- Entirely powder-coated with stainless steel components.
- Maximum protection against solar radiation and penetration of heat while preserving the optimal level of natural light in the interior and contact with environment.

- The production technology of fabrics ensures a high resistance to external influences such as wind or changes in temperature and humidity.

Wallfix

Wallfix is an aluminum louvered fixed wall system.

- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Compact & Easy Assembly with click louvre connection.
- Clean finishes with hidden joining details.
- Extruded aluminium fine line fixing frame.
- Concealed screws to offer clean finish.
- Large span with 6000mm dimension.
- Sound and heat insulation with double layered louvre (panel) design.
- Maximum safety with block assembly.

Doors

Glass door

- Frameless hinged and frameless hydraulic glass doors are available.
- Single tempered glass (10mm).
- Available with single panel and double panels (each panel in maximum 1000mm).
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Allen&Key lock for security.

Framed glass door

- Hinged and hydraulic framed glass doors are available.
- Electrostatic powder-coated frame.
- Available with double insulated single panel and double panels (each panel in maximum 1000mm).
- Double insulated glass (4+11+4mm).
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Push & Pull Bar handle types.

- Pull Handle/ Lock.

Photocell Door

- Aluminum framed automatic glass door.
- Electronic lock.
- Possibility of manuel usage in emergency situations.
- Electrostatic powder-coated frame.
- Available in Laminated glass (4+4mm).
- Single panel and double panel options (each panel in maximum 1000mm).
- Fast opening-closing cycle and insulation materials for preserving heat balance between indoor and outdoor.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- One side button or double side button and double sided transition control types.

XI | Structure Color Options / Finishes

- The products are available with a wide range of colour options in standard or architectural textured coatings.
- In addition to standard RAL colors, Exclusive and Texture range aluminium colors can be offered.
- QualiMarine and Qualanod finishes are also available beside of Qualicoat finishes.

XII | Warranty

	Axis	Sapphire	Cycle	Swind	Violet	Framee	Slidia	Vertex	Wallfix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

LV15



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional

Edge Cover Profile

Without Edge Cover Profile



With Edge Cover Profile

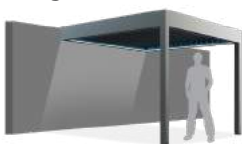


Installation Types

Self Standing Single Module



Wall Mounting Single Module




Self Standing Multiple Modules



Wall Mounting Multiple Modules



Sensors

Rain Sensor 

Wind Sensor 

Closures

Sapphire& Cycle



Swind



Violet



Framee



Slidia



Vertex



Wallfix



Operations

LV20



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional

Insulation Foam



Edge Cover Profile

Without



With

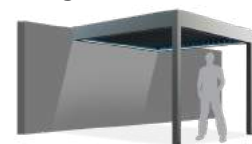


Installation Types

Self Standing Single Module



Wall Mounting Single Module




Self Standing Multiple Modules



Wall Mounting Multiple Modules



Sensors

Rain Sensor 

Wind Sensor 

Closures

Sapphire& Cycle



Swind



Violet



Framee



Slidia



Vertex



Wallfix





AXIS MAX

Enlarge and optimise your outdoor living spaces

Ultimate control over outdoor experience with innovative concept and large module dimensions.

Axis Max is a rotatable bioclimatic system which is designed to enhance your exteriors to create customised outdoor architectural solutions with its considerable large dimensions.

System can be extended up to 12 meters projection and 13,5 meters of width dimensions that is a practicable option especially for lengthwise applications and efficient solution with covering of large commercial areas.

Axis Max is uniquely flexible and modular custom built to be configured to fit numerous type of large application areas such as restaurants, hotels, cafes either private or commercial with its high functional performance.

The capable of covering large areas with its maximum dimensions makes Axis Max one of the most sought-after model. The distinctive form of Axis Max enables the possibility to combine more modules to cover wider areas with its modular structure that allows you creating multiple spaces.

The perfect compromise & compact design brings versatility for innovative concepts and modern style. Axis Max offers you protection and optimal use of outdoor space allowing you to instantly adjust sunlight, creating a refreshing ventilation in the event of high temperatures or sheltering from the weather along with its rotational louvre movement.

The aerofoil aluminium louvres can be tilted up to 85° with a smooth and silent rotating movement by internal motor. It is possible to operate the louvres according to desired angle creating ventilation and shadow.

Axis Max is 100% water-resistant and withstands water penetration even under severe weather conditions. The water is drained through integrated lateral gutters and columns acting as drainpipe so the system can ensure maximum rain, snow and sun protection in fully closed position.

System is visually enriched with its elegant Hidden Led Stripe and RGB lighting options that can be adjusted according to current mood of user. Also optional insulation foam is available that enables heat and sound insulation.

■ Led Stripe Dimmer Lighting

■ RGB Led-Hidden Stripe Lighting



Led Stripe Dimmer Ligting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

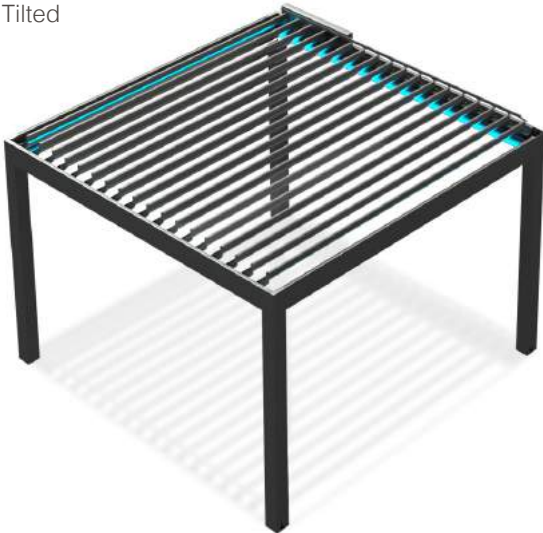
RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinitive colour options.

Operations

Fully Closed



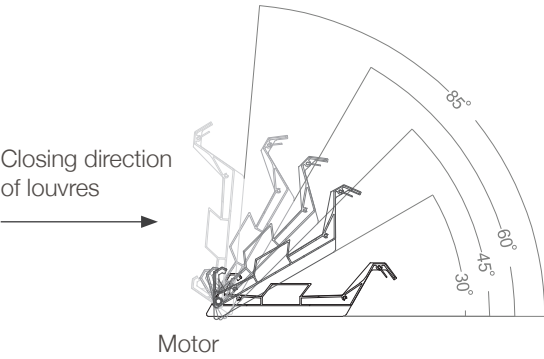
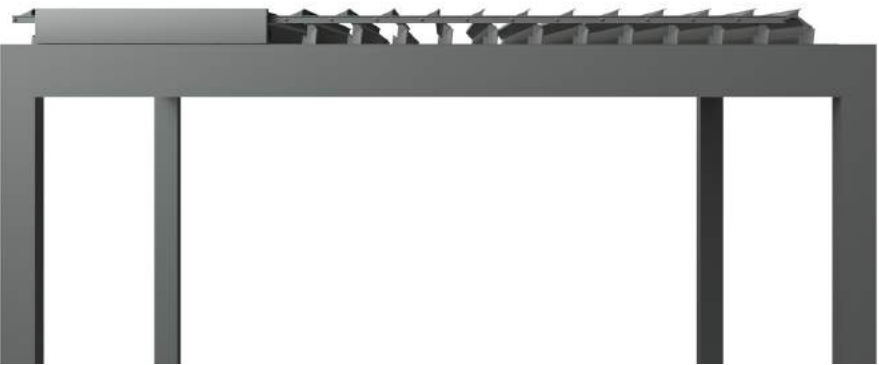
Tilted



Tilted & Fully Closed



Louvre Closing Direction



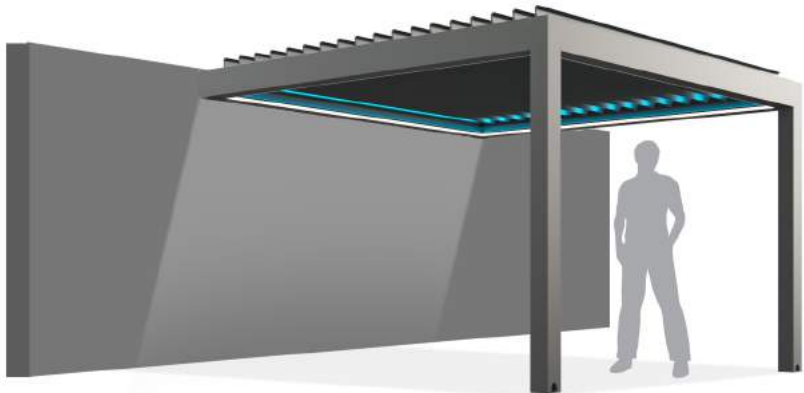
Tilting Directions



Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



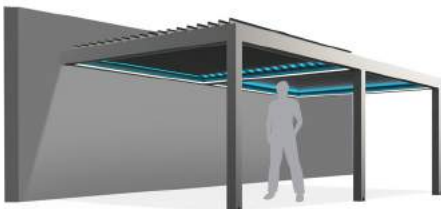
Self Standing
Single Module



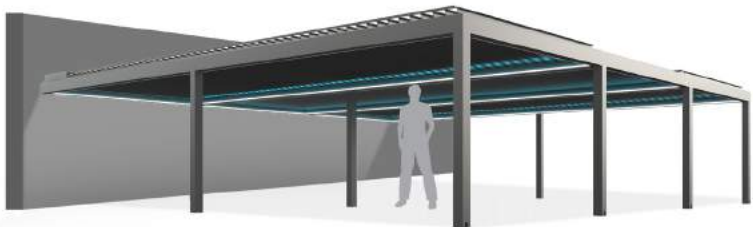
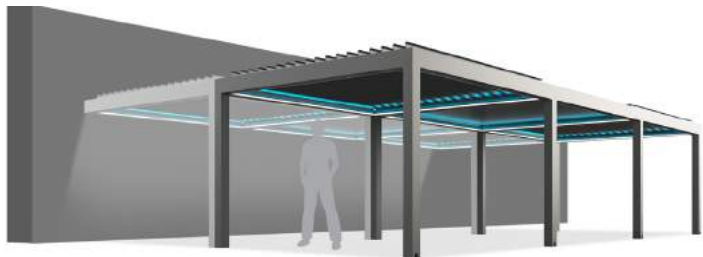
Wall Mounting
Single Module



Self Standing
Multiple Modules



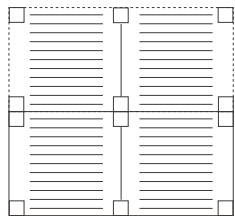
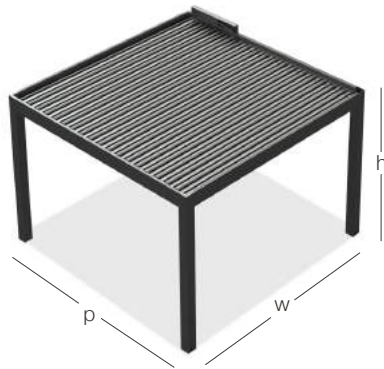
Wall Mounting
Multiple Modules



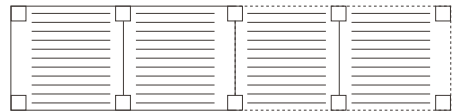
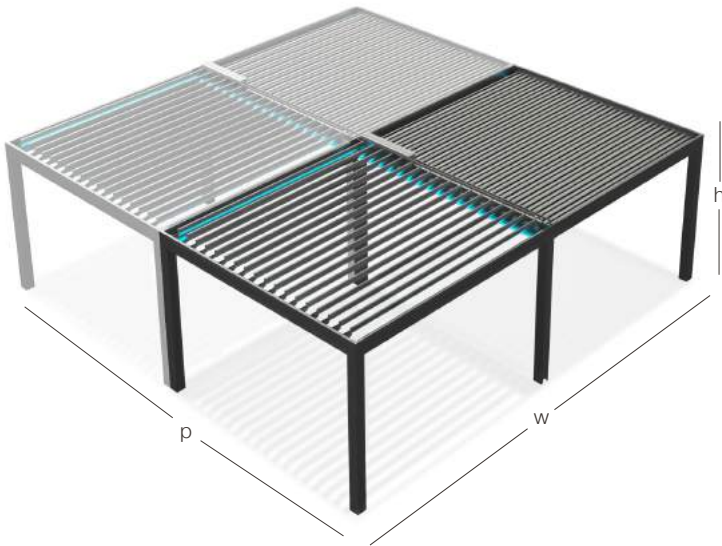
Blocked assembly for customized modules with a wide range of flexible combinations.



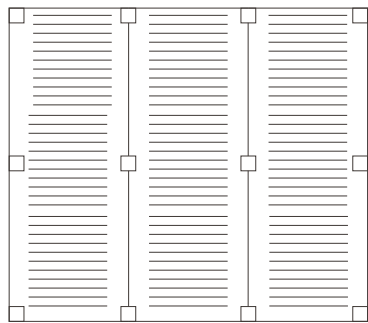
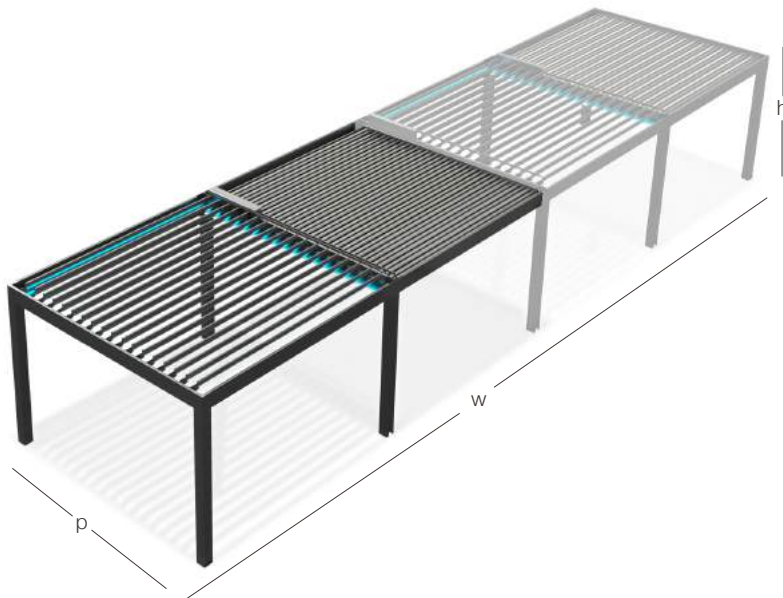
(w) Width
1000 mm < 4500 mm
(p) Projection
1484mm < 12092mm
(h) Height
3000 mm



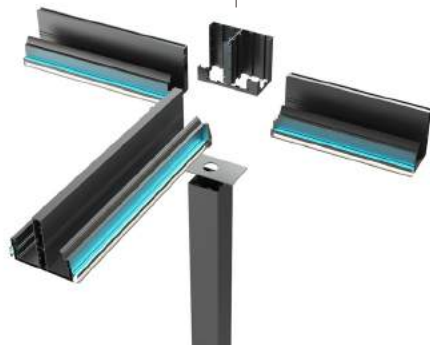
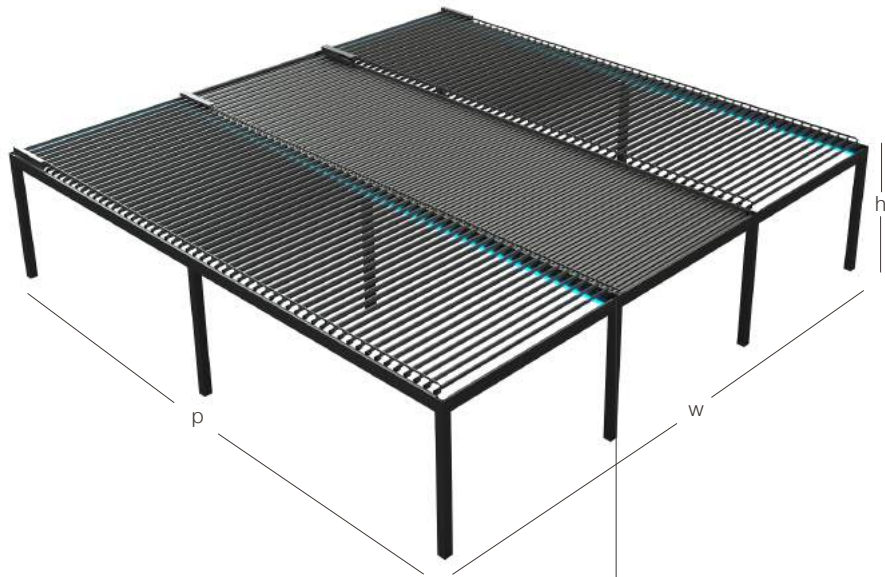
(w) Width
2000 mm < 9000 mm
(p) Projection
2968mm < 24184mm
(h) Height
3000 mm



(w) Width
4000 mm < 18000 mm
(p) Projection
1484mm < 12092mm
(h) Height
3000 mm

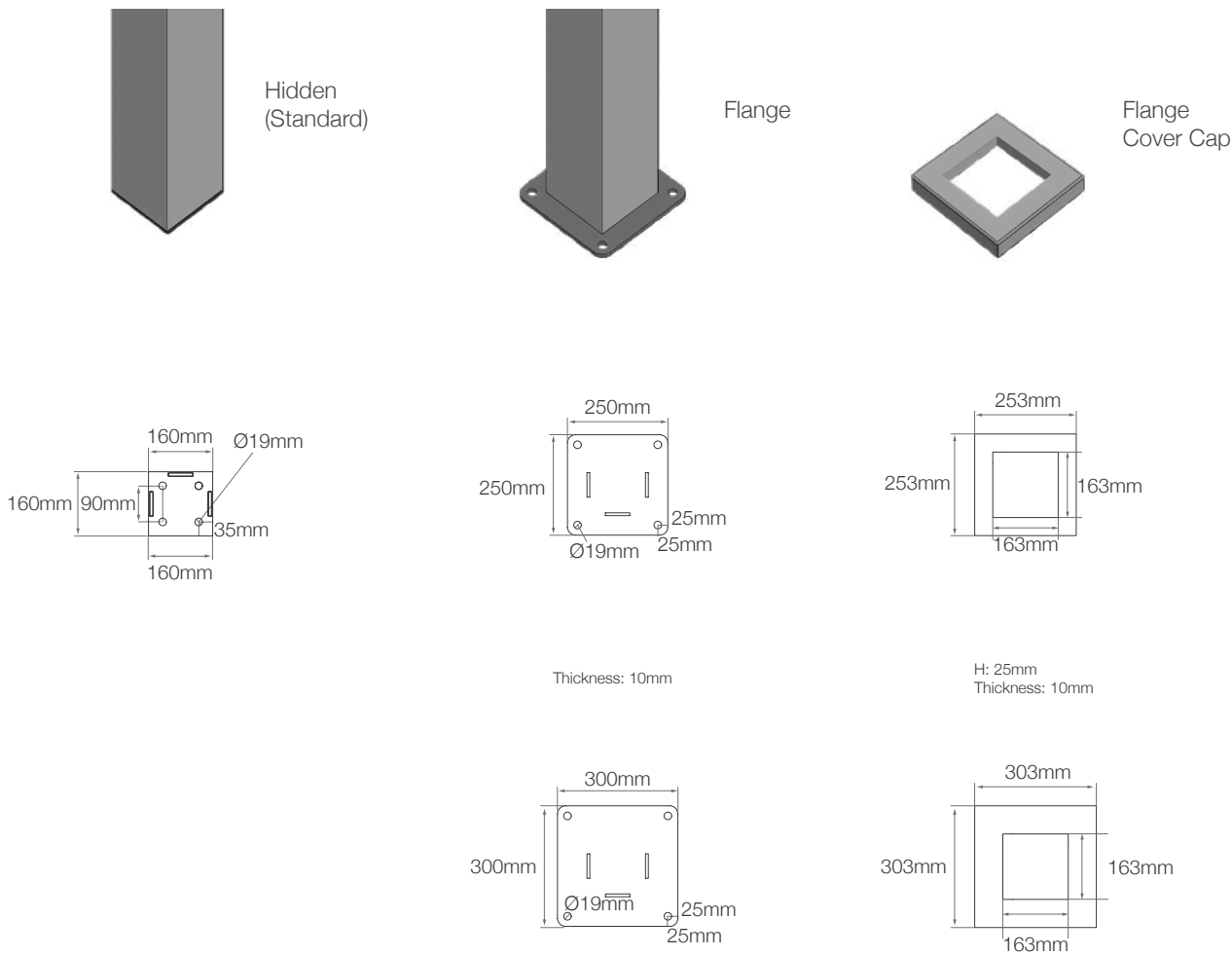


(w) Width
3000 mm < 13500 mm
(p) Projection
1484mm < 12092mm
(h) Height
3000 mm

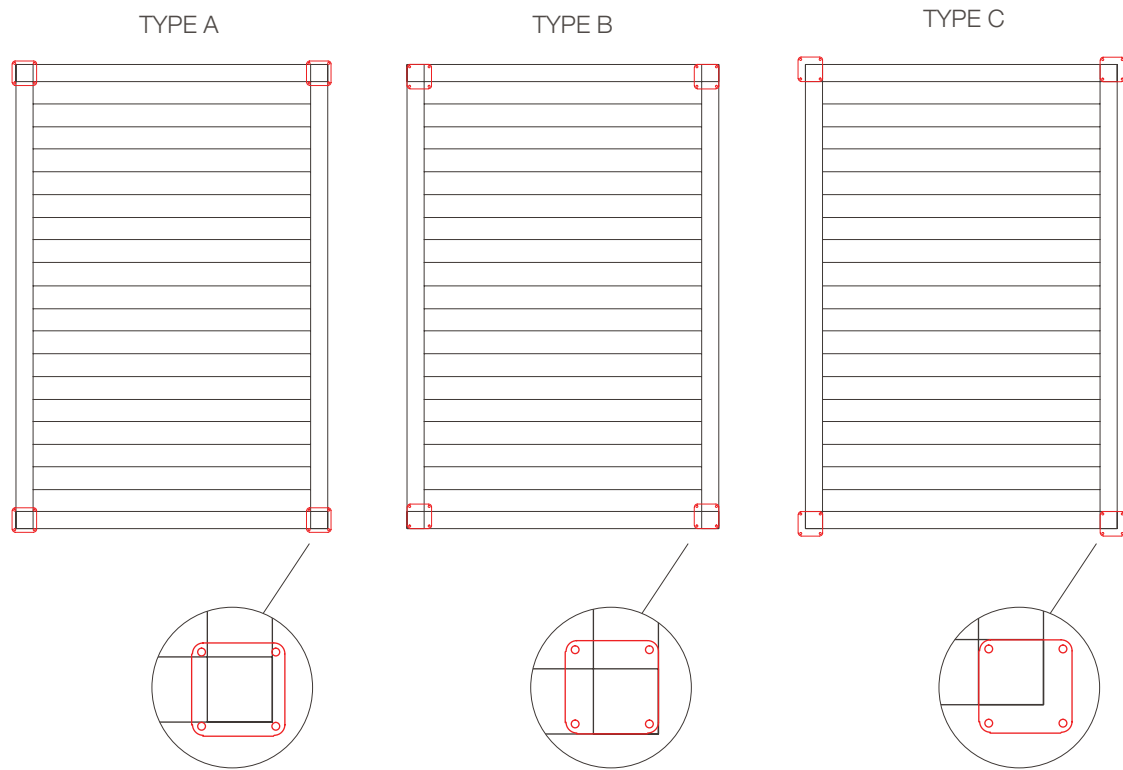


Special double sided single rafter integration to enlarge module dimensions.

Column Base Options

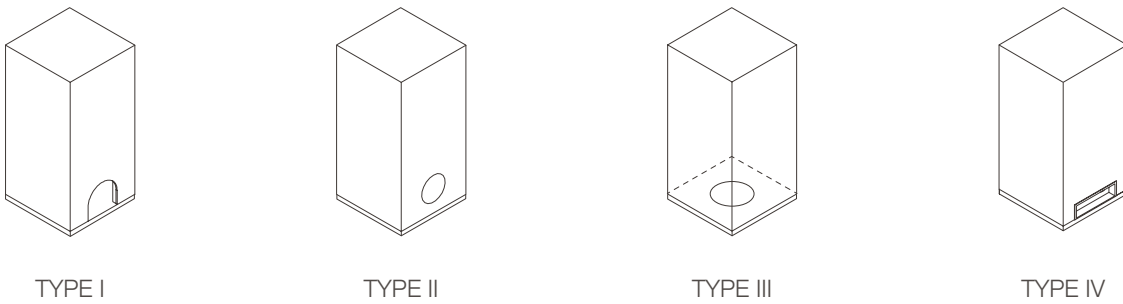


Flange Positions



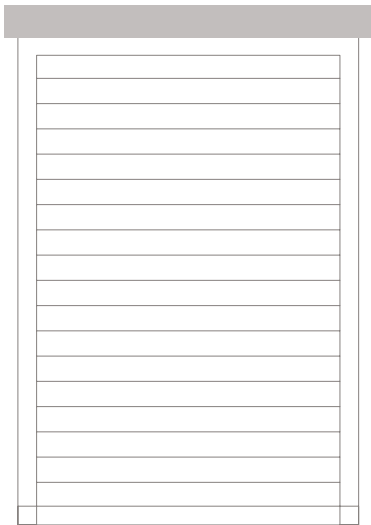
To be chosen only with flange option.

Drainage Types

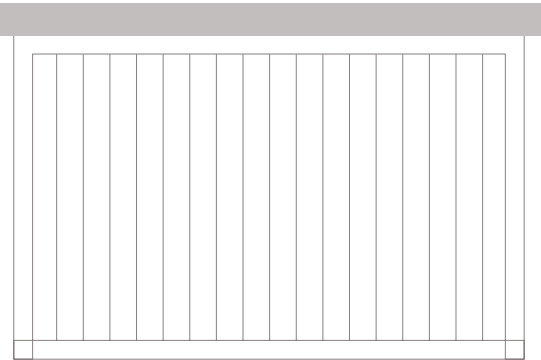


Wall Installation Louvre Positions

Parallel To Wall

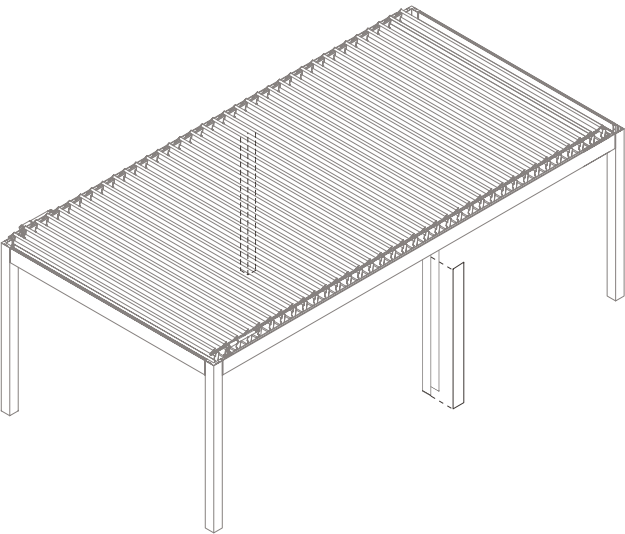


Vertical To Wall

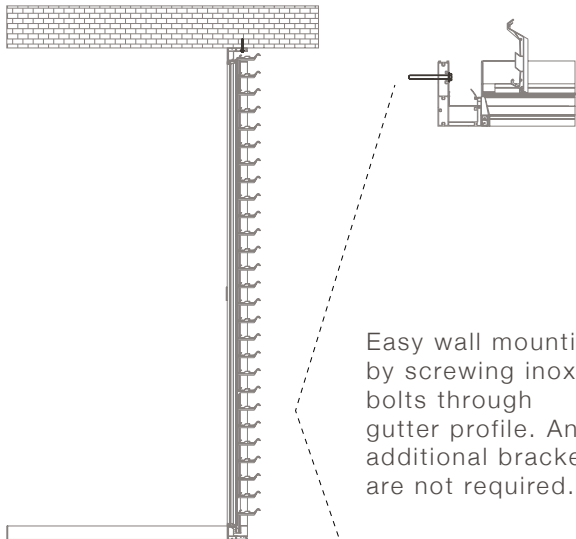
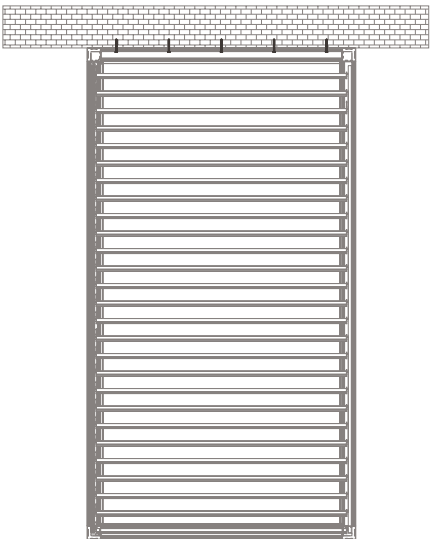


Support Column

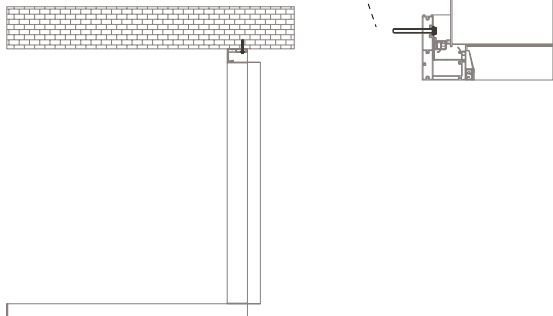
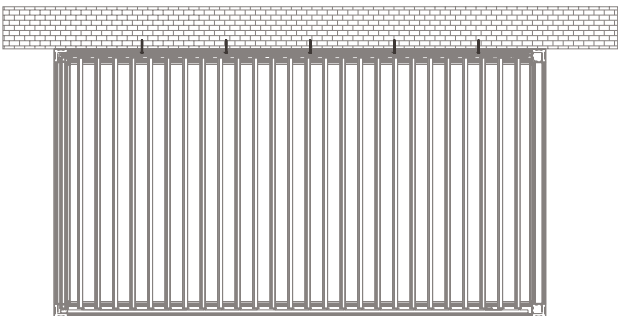
Over 6892 mm projection dimension support columns need to be used.



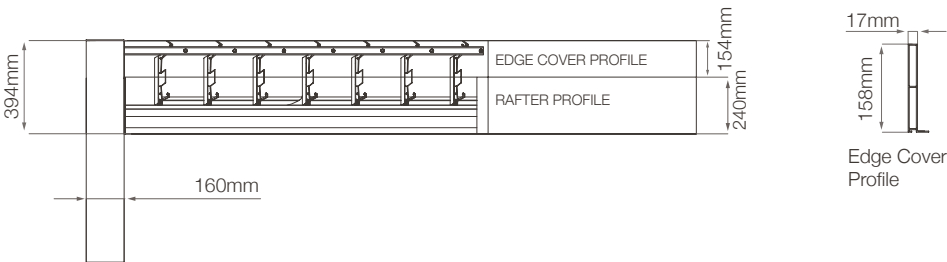
Mounting



Easy wall mounting by screwing inox bolts through gutter profile. Any additional brackets are not required.

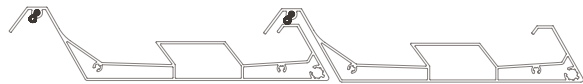


Side Elevation

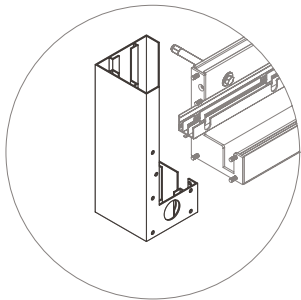


Louvre Stormguard Seal

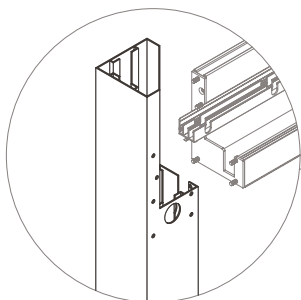
Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.



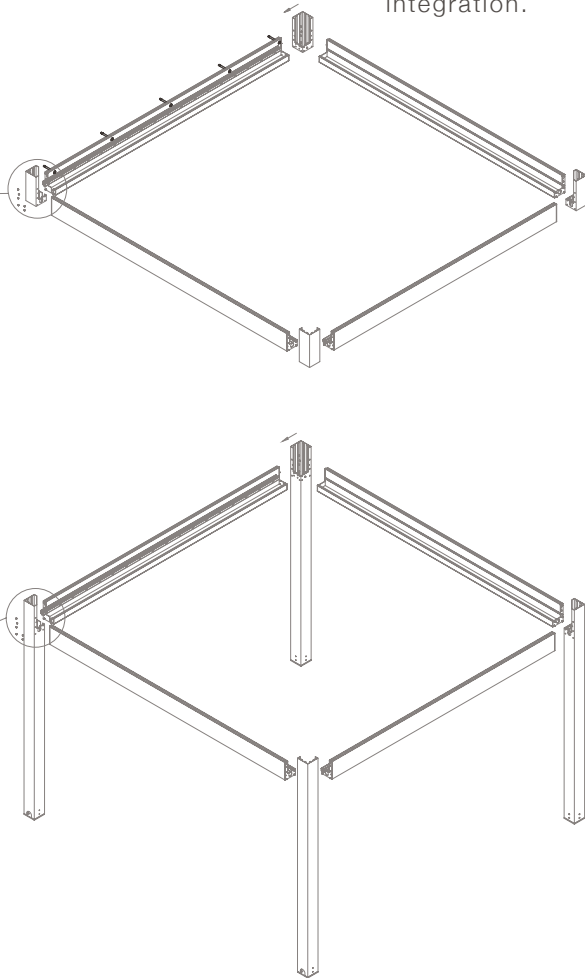
Wall Mounting



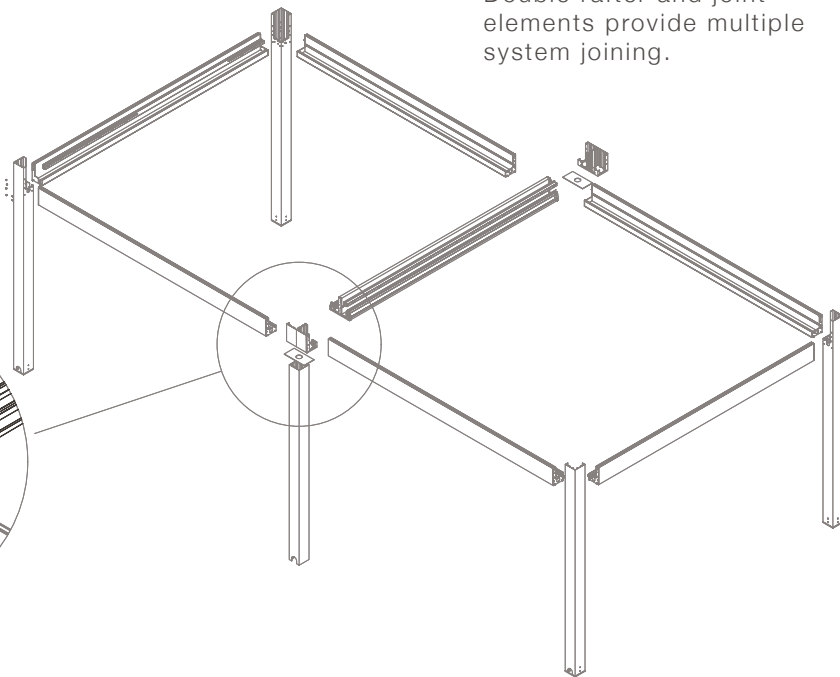
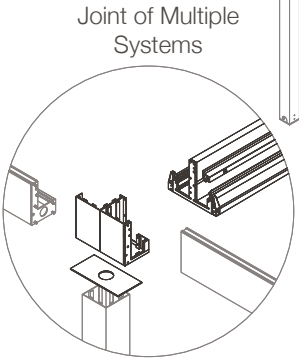
Self Standing



The CNC machine cut corner profiles provide easy gutter and column integration.



Double rafter and joint elements provide multiple system joining.

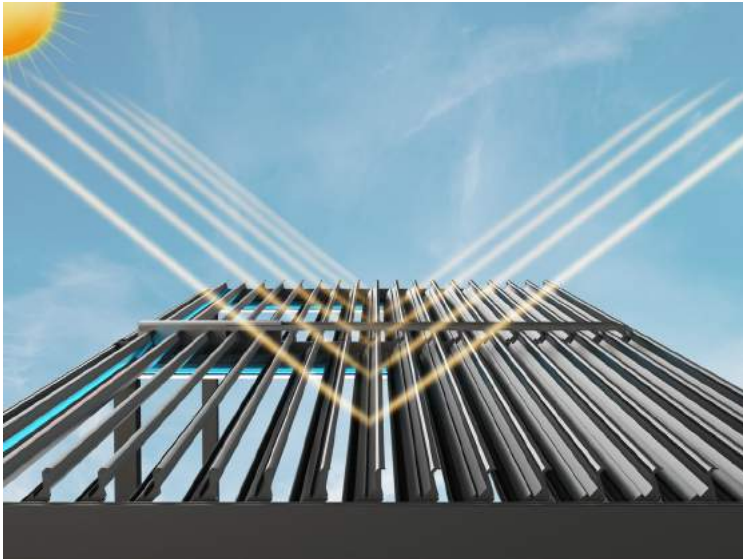




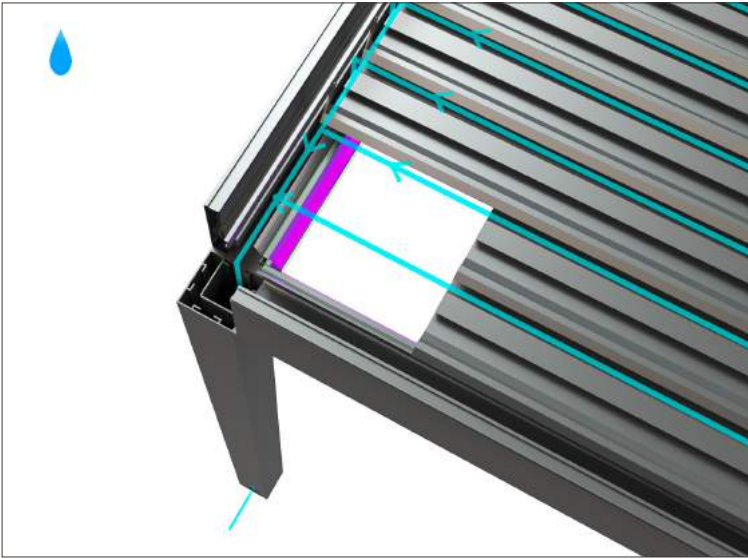
Slightly opening of louvres creates natural air flow for application areas.



Ensuring waterproof coverage when louvres are in fully closed position.



Protecting from sun exposure while ensuring air ventilation under the system .



Each channel on louvres drain the water through four sided gutters connected with columns.



LV20

Functional seal integrated on louvre channels provides maximum protection from water dripping.

Closures



Sapphire/Cycle Guillotine Glass System
System can be adapted to Axis Max system and offers a maximum clear span that provides unobstructed view & minimalistic style. The system is operated by just the touch of button.



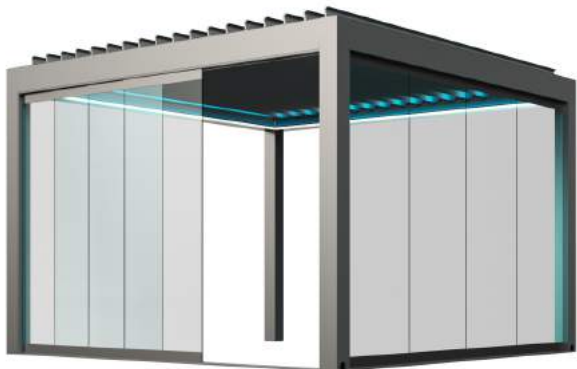
Swind-Motorised Windbreaker System
Swind can be combined with also Axis Max system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. The system is modular and completely flexible as there are no limits in the horizontal direction that can be used to surround spaces of all types and sizes.



Violet Glass Balustrade System
The adaptability of Violet fixed balustrade glass with Axis Max creates a stunning visual transparency without lacking of obstruction to lines of sight. The stylish lighting solution that is integrated underneath the glass highlights attractive aspect of the design by amplifying overall aesthetic of outdoors. Thanks to flexible and multiple modular implementations, system can be used to cover comprehensive areas without limitation in the horizontal direction.



Framee Sliding Glass System
Minimal line of Framee system is perfectly matching with modern architectural Axis Max system by insulated fine-framed sliding glass panels. System offers a comfortable sliding with easy individual movement.



Slidia Sliding Glass System
The combination of the sliding glass system with Axis Max ensures efficacious protection from wind and rain. The aluminium frames which cover each glass panel provide maximum safety standards and practicality with elegance details.



Vertex Zip Screen System
The minimalist, slimlane, contemporary design of the zip system provides comfortable shade and protects against the UV rays. The system includes motorised aluminium structure, entirely powder-coated with stainless steel bolts and screws.



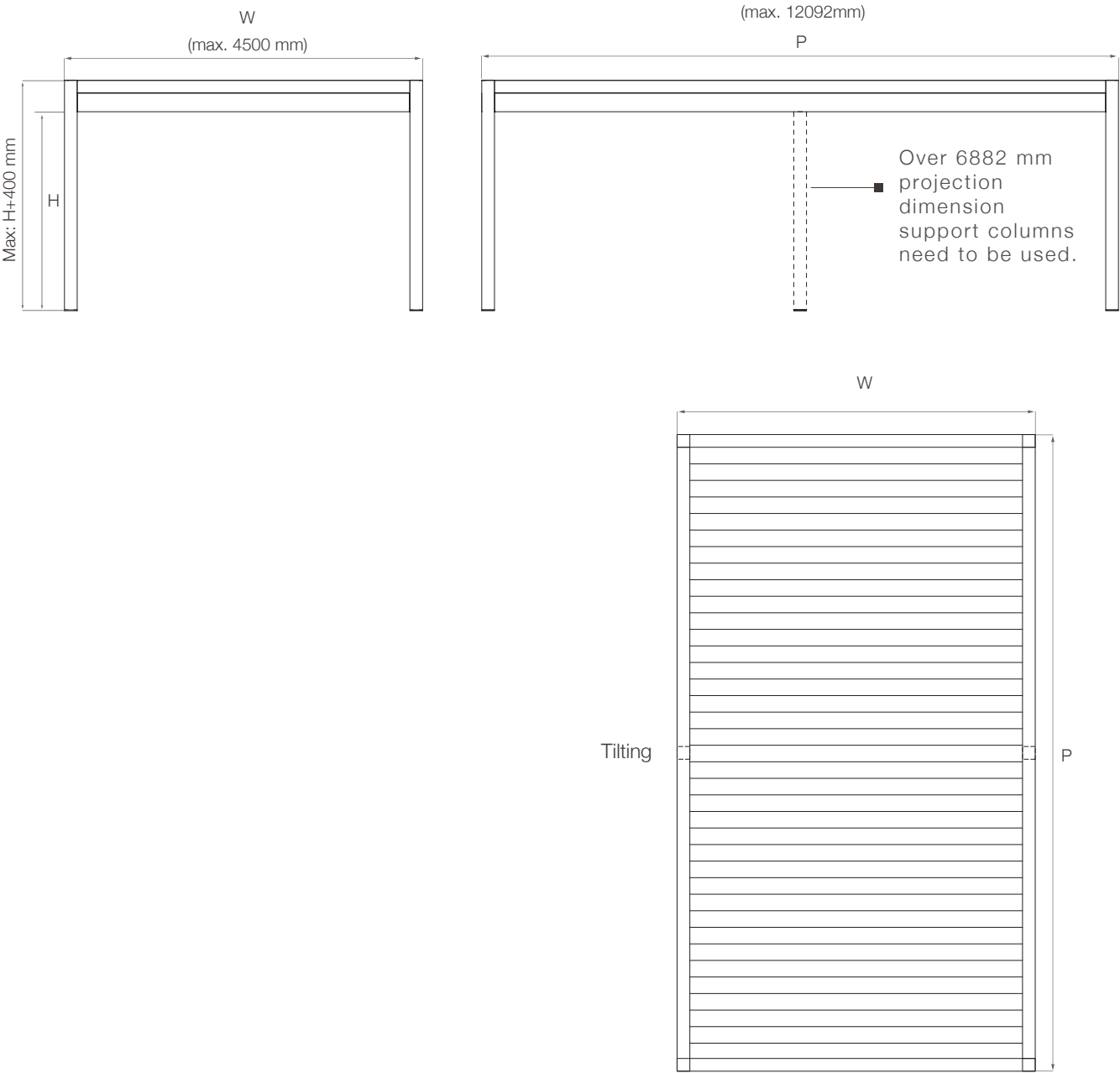
Wallfix Fixed Side Enclosure
The unique designed privacy of Wallfix side enclosure can be combined with Axis Max system to optimise outdoor living areas visually.

Dimension Ranges

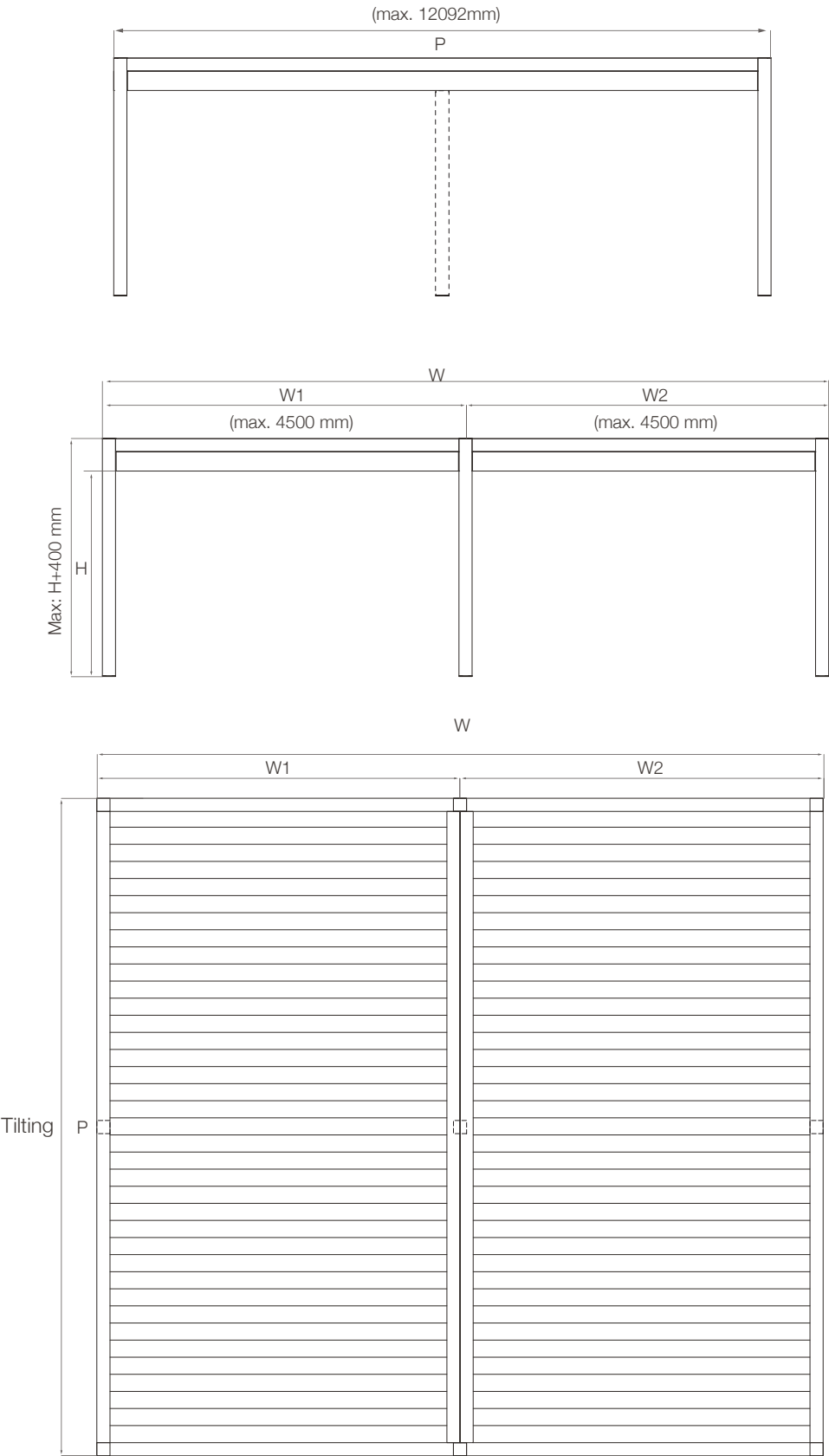
Single Module
W: 1000 mm < 4500 mm
P: 1484 mm < 12092 mm

Width dimension: Any customised values between 1800mm and 13500mm
Projection dimension: Adjustable according to louvre quantity

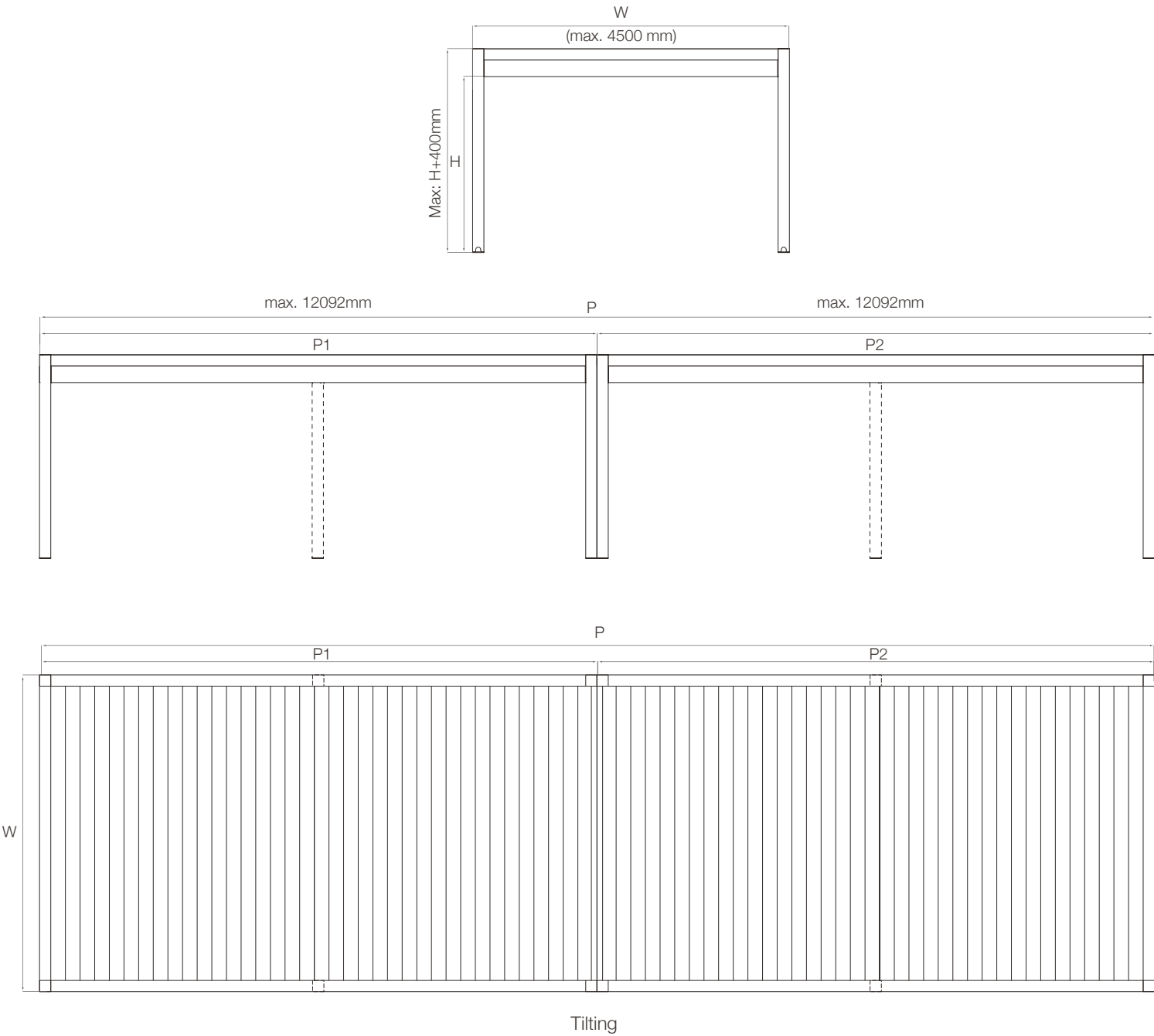
		WIDTH													
		1800				4500				9000					13500
NR. OF LOUVRES	PROJECTION	6	1484												
		7	1692												
		8	1900												
		9	2108												
		10	2316												
		11	2524												
		12	2732												
		13	2940												
		14	3148												
		15	3356												
		16	3564												
		17	3772												
		18	3980												
		19	4188												
		20	4396												
		21	4604												
		22	4812												
		23	5020												
		24	5228												
		25	5436												
		26	5644												
		27	5852												
		28	6060												
		29	6268												
		30	6476												
		31	6684												
		32	6892												
		33	7100												
		34	7308												
		35	7516												
		36	7724												
		37	7932												
		38	8140												
		39	8348												
		40	8556												
		41	8764												
		42	8972												
		43	9180												
		44	9388												
		45	9596												
		46	9804												
		47	10012												
		48	10220												
		49	10428												
		50	10636												
		51	10844												
		52	11052												
		53	11260												
		54	11468												
		55	11676												
		56	11884												
		57	12092												



Multiple Modules Type 1
W: 2000 mm < 9000 mm
P: 1484 mm < 12092 mm



Multiple Modules Type 2
W: 1000 mm < 4500 mm
P: 2968 mm < 24184 mm



Company Name:
Order Reference:

Order Date:

INSTALLATION TYPES

- ☐ Self Standing
- ☐ Wall Mounting

☐ Louvres Parallel to Wall

☐ Louvres Vertical to Wall

QUANTITY: pc

- ☐ If modules are multiple and each module is in different width or projection. Please provide details for max.:

- One module 4500x12092 mm

- Two modules 9000x12092 mm

- Three modules 13500x12092 mm

DIMENSIONS

W - Total Width..... mm
P - Projection mm
H - Post Height..... mm
Total Number of Posts Required pc

☐ Type 1

☐ Type 2

W1 mm

P1 mm

W2 mm

P2 mm

W3 mm

P3 mm

....

....

POWDER-COAT COLORS

Structure

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
<input type="checkbox"/> 7006	<input type="checkbox"/> OGN39	<input type="checkbox"/> ST7039	
<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

Louvres

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
<input type="checkbox"/> 7006	<input type="checkbox"/> OGN39	<input type="checkbox"/> ST7039	
<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

LED LIGHTS

- ☐ Led Stripe Dimmer Lighting

☐ Cool White

☐ Day Light
- ☐ RGB Led - Hidden Stripe Lighting

SENSORS

- ☐ Rain Sensor
- ☐ Wind Sensor

OPTIONALS

- ☐ Supporting Post
- ☐ Insulation Foam
- ☐ Edge Cover Profile

COLUMN BASE OPTIONS

- ☐ Hidden (Standard)
- ☐ Flange
- ☐ Flange With Cover Cap

FLANGE POSITIONS

- ☐ Type A
- ☐ Type B
- ☐ Type C

DRAINAGE TYPES

- ☐ Type I
- ☐ Type II
- ☐ Type III
- ☐ Type IV

PACKAGING

- ☐ Standard
- ☐ Wooden Crate

Extra cost

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



Max. width	4500 mm (One Module) 9000 mm (Two Modules) 13500 mm (Three Modules)
Max. projection	12092 mm
Rafter profile dimension	160x240 mm
Post dimension	160x160 mm
Edge cover profile dimension	154 mm
Louvre dimension	200 mm
Louvre quantity with max. size	57 pcs
Louvre can be tilted up to	85°
Automation	included
Control unit	included
Led Stripe Dimmer lighting	optional
RGB Led - Hidden Stripe lighting	optional
Insulation foam	optional
Edge cover profile	optional
Drainage pipe	optional
Flange	optional
Rain Sensor	optional
Wind Sensor	optional

Technical Specifications
Axis Max

New Generation Outdoor Covering Solutions
Bioclimatic Systems With Tilting Function

Description

Axis Max is a new generation of high-tech bioclimatic covering solution that is composed of a high grade structural aluminium frame and tilting aerofoil louvres.

Dimensions

One module	Two modules	Three modules
Width 1000 mm < 4500 mm	Width 4501 mm < 9000 mm	Width 9001 mm < 13500 mm
Projection 1484 mm < 12092	Projection 1484 mm < 12092 mm	Projection 1484 mm < 12092 mm
Height 3000 mm		

- Blocked assembly for customized modules with a wide range of flexible combinations.

Technical Characteristics

- Extruded aluminium frame, blades & gutters - clean edges.
- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Concealed screws to offer clean finish.
- High grade stainless steel connection components.
- Large span with 13500mm dimension (4500x3 modules).
- Projection availability up to 12092mm dimension.
- Double-walled or single-walled aerofoil louvres with superior strength and durability.
- Invisible 15 mm slope on louvres for maximum water flow efficiency.
- Adjustable louvres for any position within the 85° range.
- Remote control for operation of mechanism and lighting.
- Dimmer option to adjust lux intensity.
- Antibacterial polyurethane foam insulation which can be integrated into the louvre to provide sound and heat insulation.
- Fully waterproof coverage when louvres are in fully closed position.

- Functional seal integration on louvre channel to prevent water leaking and provide extra insulation.
- Seal integration along structure for water insulation and temperature resistance.
- The water is flowed down to the main gutters by special drainage channels along the louvres and drained through columns.
- Optional edge cover profile which complete smooth design.
- Hidden IP68 protection class,12/24VDC power supplied linear actuator motor with stainless steel piston rod that enables the louvre to rotate.
- Applicability of guillotine, sliding / sliding frame / folding glass and zip systems.
- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standarts.
- In addition to standart RAL colors, Exclusive and Texture range aluminium colors can be offered as extended selection.
- Functional louvre lay out in parallel or vertical position to wall.

II | Profile Section Dimensions

- Rafter / Gutter** : 160 mm x 240 mm x 3 mm
- Column** : 160 mm x 160 mm x 3 mm
- Louvre** : 261 mm x 60 mm x 2 mm

III | Installation Methods

- Individual modules can be customised according to specified finish up to 4500mm width and 12092 mm projection with flexible installation methods such as integration into existing frameworks, wall mounting and free standing for larger outdoor areas.
- System can be assembled as single or multiple modules.

V | Columns

- Dimensions: 160 x 160 mm x 3 mm.
- Simple column assembly.
- The column cavity conceals the wiring cables of heater, speaker or automation to provide pure appearance.
- 3 different column base options: Hidden, Flange, Flange With Cover Cap.

V | Weather Resistance

Wind Resistance

- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

- The four sided gutter for completely ensured waterproofness.
- Water drainage with an intensity of 155 L/h/sqm that last up to 2 minutes maximum.
- Customised drain points flexibility.

VI | Tests

Our systems are subjected to variety of tests in order to check their resistance under every type of circumstances.

Tests done following the requirements of International Standards involving parameters such as wind resistance and rainfall or snowfall demonstrate the excellent performance of our pergolas against the most adverse conditions.

Wind
load



Standard UNE-EN 13659:2004+A class 6 (approx. 102 km/h) tested up to 102 km/h without breaking within test bench parameters.

Snow
load



≤650 kg/m2 (including its own weight) Standard EN-1999 EUROCODE 9 aluminium structures project.

*Values will be decreased based width and projection dimensions.

Rain
load



Standard UNE-EN 12056-3, (0,04 l/s max.) constant heavy rain aprox. 155 l.m2/h (structures + slats).

VII | Additional Equipments

- Heater, speaker, air conditioner or other automations can be integrated.
- Wind and rain sensors can be adapted.

VIII | Lighting

Integrated RGB-Led Hidden Stripe and Led Stripe Dimmer Lighting on sides within the structure.

- Led Stripe Dimmer Lighting

Cool White, 60 LEDs/m I +5100-6500K I 1130 lumens/m
Day Light, 120 LEDs/m I +2800-3500K I 1094 lumens/m

- RGB Led-Hidden Stripe Lighting

60 LEDs/m

IX | Sensors

Wind and rain sensors can be adapted for an optimum level of comfort. These smart sensors are designed to respond fully automatic based on weather conditions in a specific situation. It functions as a protection against unexpectable weather conditions.

Sensors will activate an automated system that close/retract the roof and protect the furniture & underneath of covered area even if you are not able to control the system.

Wind sensor

Wind sensor monitors the gust of wind then retract your outdoor product to protect it against unexpected strong winds and offers constant protection.

The wind speed value required to do this is set directly at the sensor. If the wind picks up significantly wind sensor will close the roof depending on a pre-set wind speed. Thanks to ease of installation and minimal cabling it can be setup simply.

Rain sensor

Rain sensor will automatically detect the rain and close your roof to prevent raindrops falling through open roof systems even if you are not able to control the system.

If rain is detected the pergola will be closed and the remote control will be needed to open it back.

X | Closures

Systems can be completely enclosed with Sapphire automatic vertical glass system, Swind windbreaker system, Violet, Framee, Slidia or motorised Vertex zip for further protection from the elements.

Sapphire

Sapphire is an automatic vertical guillotine glass system enriched with patented worm shaft technology.

- Systems can incorporate framed tempered 8 mm and 10 mm single or 4mm+12mm+4mm / 5mm+10mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Operation is motorised.
- Upwards or downwards parking position options.
- Fixed panels can be used as balustrades.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Switch, remote or smart home control availability.
- Fine frames with thermal and sound insulated rubber seals.
- Wide open view with up to 4 meters width vertical glass panels.

Cycle

Cycle is an automatic vertical guillotine glass system with strengthened chain mechanism.

- Systems can incorporate framed tempered 5mm+11mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Motorised operation with switch, remote or smart home control availability.
- Upwards or downwards parking position options.
- Balustrade usage ability with the handrail design that covers the glass panels.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Protected usage with safety sensor.
- Fine frames with thermal and sound insulated rubber seals.
- Easy assembly & disassembly with compact guide profile consisting of four parts.
- Wide open view with up to 4 meters width vertical glass panels.

Swind

Swind is an automatic vertical up-down glass panel.

- Electrostatic powder-coated frame.
- Extruded aluminium fix panel frame.
- Concealed screws to offer clean finish.
- Horizontal counterweight for smooth motion.
- High strength belt mechanism for balanced movement.
- 10mm fixed and 8mm up-down automatic moveable tempered glass panels.
- Frameless moveable glass panel for unobstructed view.
- Led stripe dimmer lighting integrated side frame / invisible electrical cables.
- Remote control for operation of mechanism and lighting.
- Fast opening-closing cycle.
- Fully hidden compact direct drive motor system.
- Ease of installation with single or multiple modules.
- Portability with optional wheel integration.
- Availability of usage as balustrade in closed position.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Violet

Violet glass balustrade system.

- Concealed screws to offer clean finish.
- Glass fixed pane is 8+1.52 pvb+8mm
- Led stripe dimmer lighting integrated integrated underneath the glass / invisible electrical cables.
- Remote control for operation of lighting.
- Ease of installation with single or multiple modules.
- Availability of usage as Hand Rail (Optional).
- Compact & Easy Assembly.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Framee

Framee, sliding glass system with fine-framed double glazed panels.

- Double insulated glass (6+12+6mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Electrostatic powder-coated frame.

- Handle with Click Lock on first panel and Handle with Hidden Lock on the last panel on internal side of sliding panels for security measures.
- Combination availability with Vertex Zip System for sun protection.
- Available with 2,3 or 4 rails up to maximum 8 panels combined with side or central openings.
- Natural, stainless steel and black anodyse color options.

Slidia

Slidia is a sliding glass system with individual parallel glass panels.

- Electrostatic powder-coated frame.
- Features slim aluminum glass profiles.
- Individual panels can be moved horizontally with single or double slide options.
- Bottom wheel carriages with double rollers ensure optimum and smooth running even with wide glass panels.
- Successive panels can be moved by the grap mechanism.
- Height adjustable wheel carriages up to 5mm.
- Sloped rail design for efficient drainage.
- Anodised bottom rail for easy and smooth movement.
- Rain and wind resistance by double sided transparent gaskets (standard), transparent gaskets with brush or aluminum slats with brush.
- Brush and rubber cord for high frame insulation.
- Anti-slip rubber ensures safety passage and also offers ease of rail surface cleaning.
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 3 or 5 rails up to maximum 10 panels, combined with side or central openings.

Vertex Zip System

Vertex is a motorised external blind system.

- It provides comfortable shade and protects against the UV rays.
- The system includes motorised aluminium structure.
- Each screen has a pair of identical side channels.
- Entirely powder-coated with stainless steel components.
- Maximum protection against solar radiation and penetration of heat while preserving the optimal level of natural light in the interior and contact with environment.

- The production technology of fabrics ensures a high resistance to external influences such as wind or changes in temperature and humidity.

Wallfix

Wallfix is an aluminum louvered fixed wall system.

- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Compact & Easy Assembly with click louvre connection.
- Clean finishes with hidden joining details.
- Extruded aluminium fine line fixing frame.
- Concealed screws to offer clean finish.
- Large span with 6000mm dimension.
- Sound and heat insulation with double layered louvre (panel) design.
- Maximum safety with block assembly.

Doors

Glass door

- Frameless hinged and frameless hydraulic glass doors are available.
- Single tempered glass (10mm).
- Available with single panel and double panels (each panel in maximum 1000mm).
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Allen&Key lock for security.

Framed glass door

- Hinged and hydraulic framed glass doors are available.
- Electrostatic powder-coated frame.
- Available with double insulated single panel and double panels (each panel in maximum 1000mm).
- Double insulated glass (4+11+4mm).
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Internal or external locking of the sliding panels by optional key lock for security measures.

- Push & Pull Bar handle types.
- Pull Handle/ Lock.

Photocell Door

- Aluminum framed automatic glass door.
- Electronic lock.
- Possibility of manuel usage in emergency situations.
- Electrostatic powder-coated frame.
- Available in Laminated glass (4+4mm).
- Single panel and double panel options (each panel in maximum 1000mm).
- Fast opening-closing cycle and insulation materials for preserving heat balance between indoor and outdoor.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- One side button or double side button and double sided transition control types.

XI | Structure Color Options / Finishes

- The products are available with a wide range of colour options in standard or architectural textured coatings.
- In addition to standard RAL colors, Exclusive and Texture range aluminium colors can be offered.
- QualiMarine and Qualanod finishes are also available beside of Qualicoat finishes.

XII | Warranty

	Axis Max	Sapphire	Cycle	Swind	Violet	Framee	Slidia	Vertex	Wallfix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Operations



Lighting Options

Led Stripe Dimmer Lighting



RGB Led-Hidden Stripe Lighting

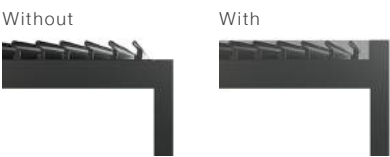


Optional

Insulation Foam



Edge Cover Profile



Installation Types

Self Standing
Single Module



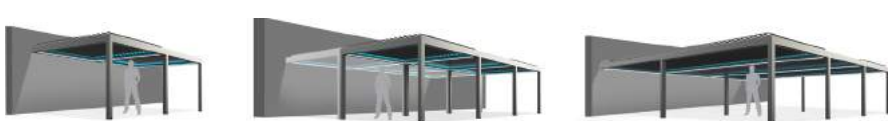
Self Standing
Multiple Modules



Wall Mounting
Single Module



Wall Mounting
Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Closures

Sapphire&
Cycle



Swind



Violet



Framee



Slidia



Vertex



Wallfix





ROTA

Innovative concept - Intelligence & elegance adding to outdoor living spaces

Rota is taking its name from the rotational motion function and it is an aluminum bioclimatic system that enhances the aesthetics of your outdoor living areas with its high performance which enables you to create four seasons climate and ventilate the usage area thanks to its rotatable louvres.

Aluminum louvres come to an upright position, allowing you to ventilate your outdoor area to breathe and naturally regulate the temperature while protecting from any kind of weather conditions. The aluminium louvres can be stopped at the desired angle and the level of sunlight and airflow of the area can be easily adjusted.

System has a maximum width of 4 meters and projection of 6 meters and capable of covering various types of areas with flexible installation solutions.

System is harmonized with upgrades and creates a stunning touch for outdoor areas. It is equipped with hi-end technology combined with innovative concepts that converts any outdoor space into a comfortable and functional living area. System can create premium combinations with many structures with its minimalistic lines and finishes.

Rota fits perfectly in all architectural designs and presents endless modulation possibilities that enlarge terraces, gardens, hotels and restaurants with modern and timeless appearance.

■ RGB Led-Hidden Stripe Lighting

■ Led Stripe Dimmer Lighting



Led Stripe Dimmer Lighting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinite colour options.

Operations

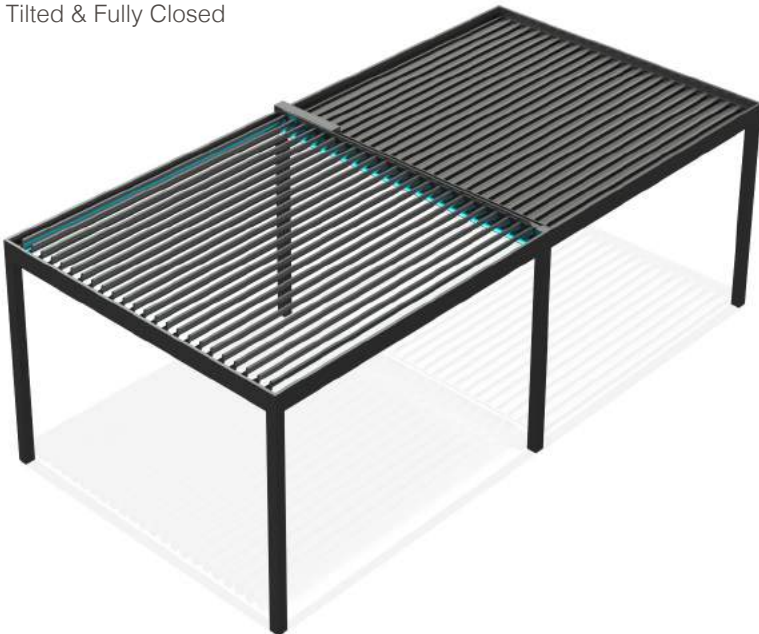
Fully Closed



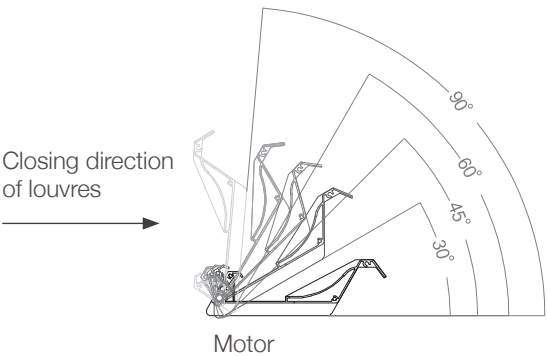
Tilted



Tilted & Fully Closed



Louvre Closing Direction



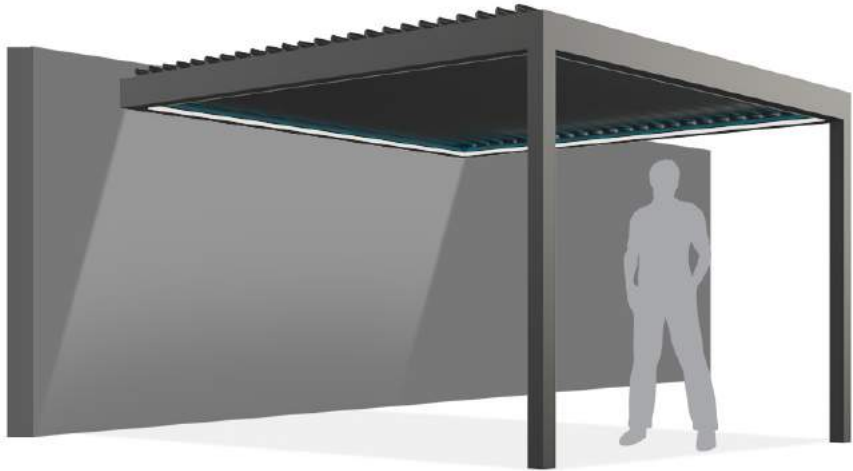
Tilting Directions



Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



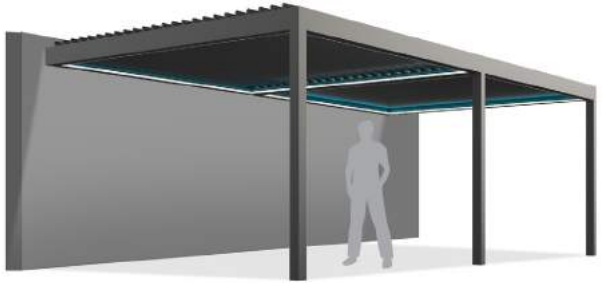
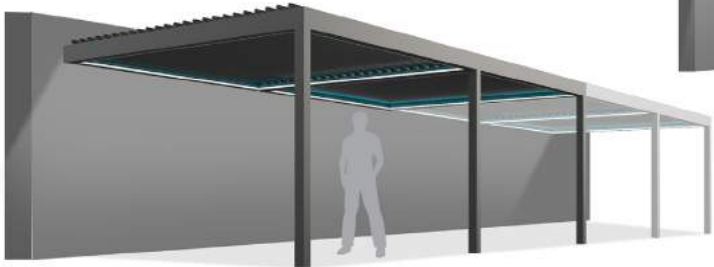
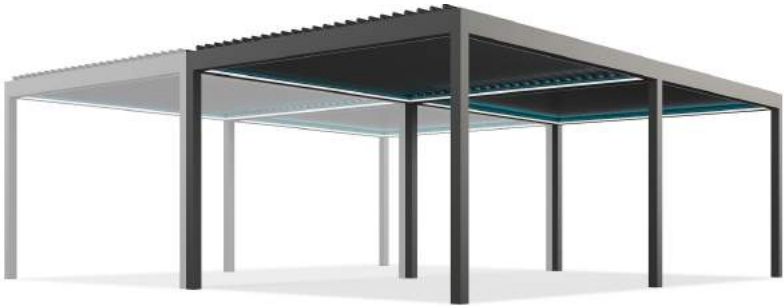
Self Standing
Single Module



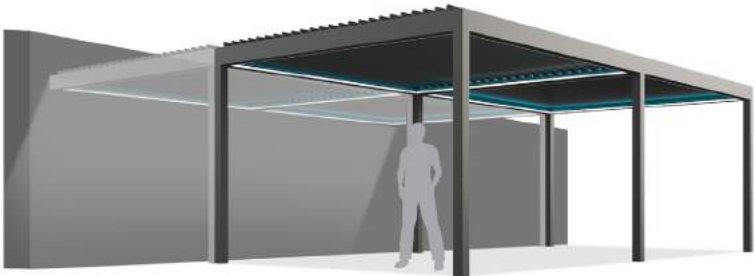
Wall Mounting
Single Module



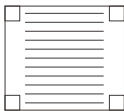
Self Standing
Multiple Modules



Wall Mounting
Multiple Modules



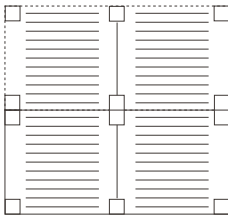
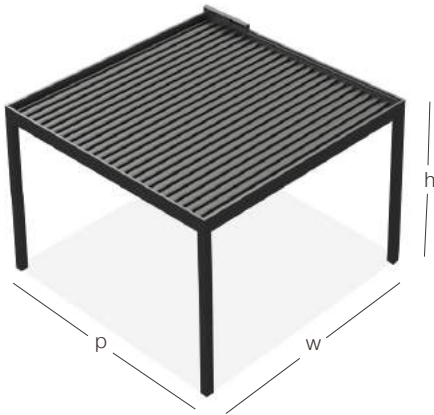
Blocked assembly for customized modules with a wide range of flexible combinations.



(w) Width
1000 mm < 4000 mm

(p) Projection
1134 mm < 6032 mm

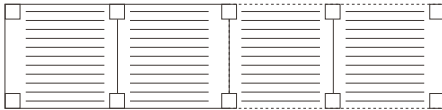
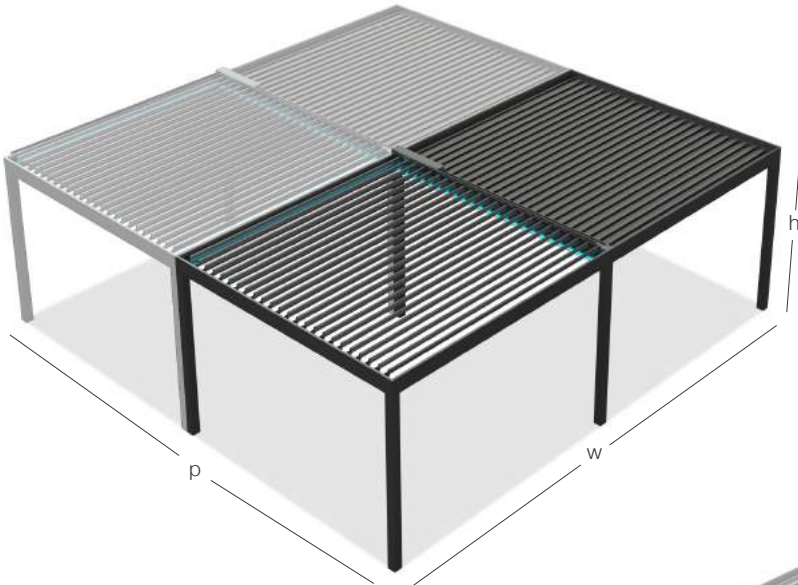
(h) Height
3000 mm



(w) Width
2000 mm < 8000 mm

(p) Projection
2268 mm < 12064 mm

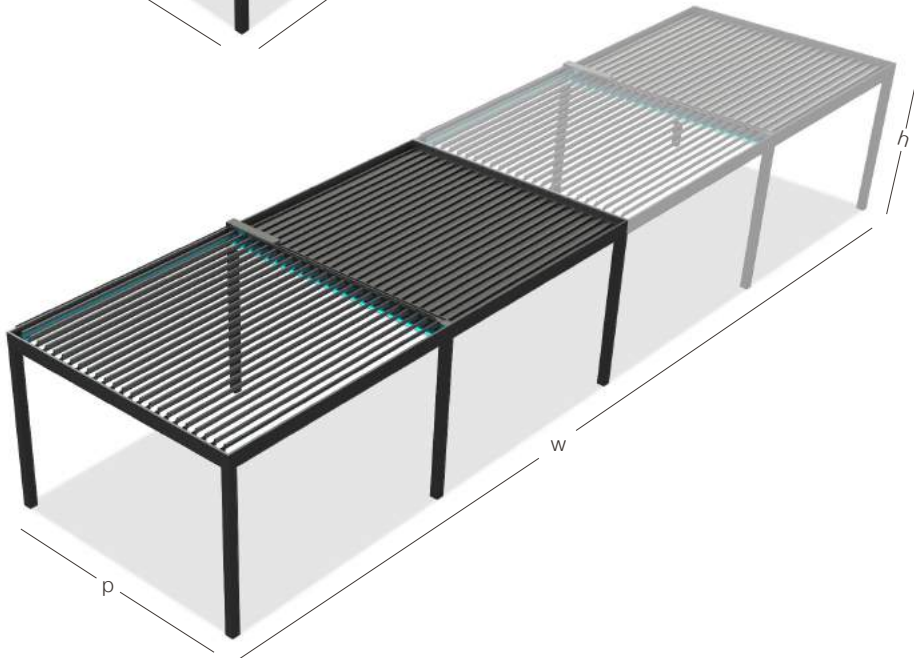
(h) Height
3000 mm



(w) Width
4000 mm < 16000 mm

(p) Projection
1134 mm < 6032 mm

(h) Height
3000 mm

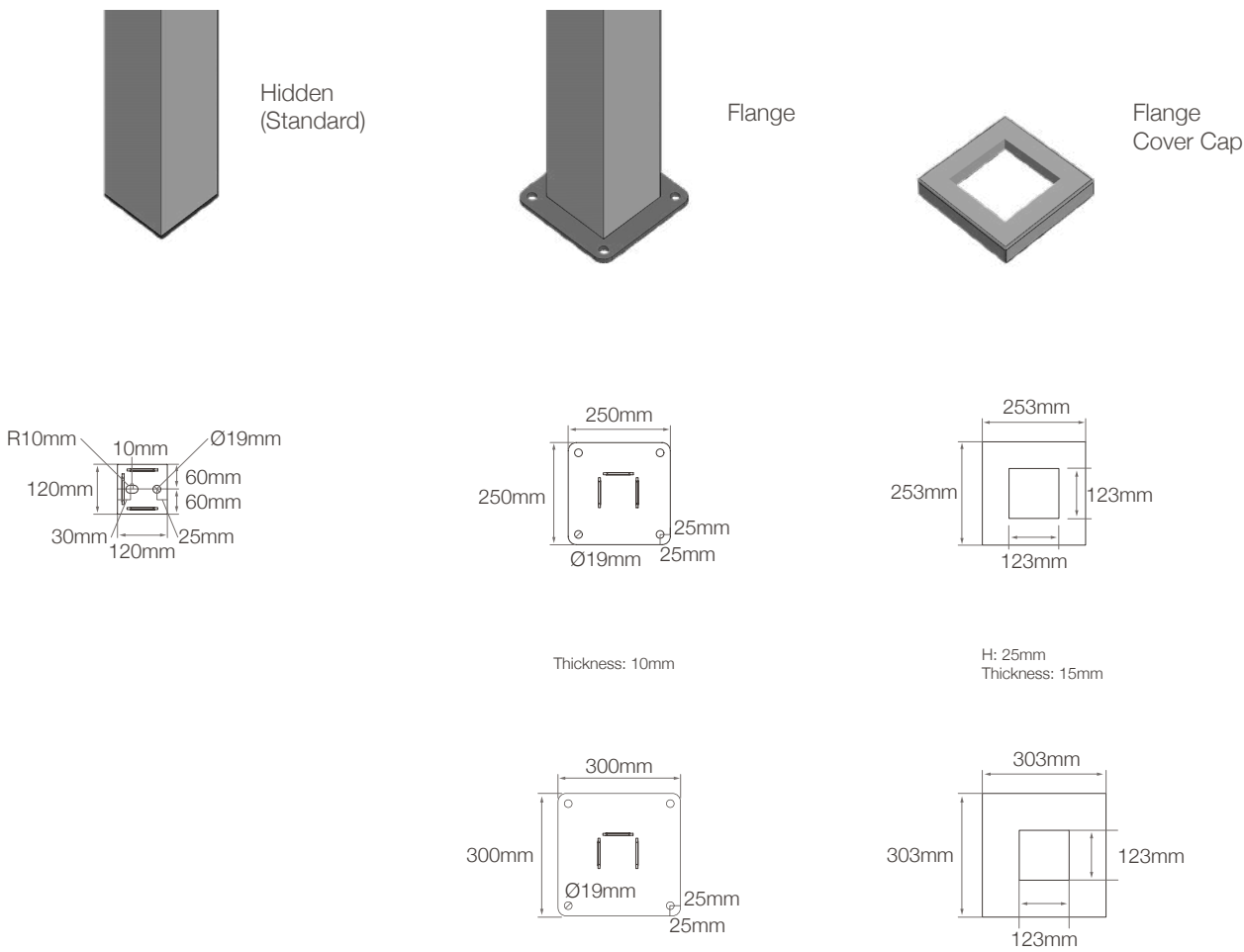


Intra-Column Drainage Pipe

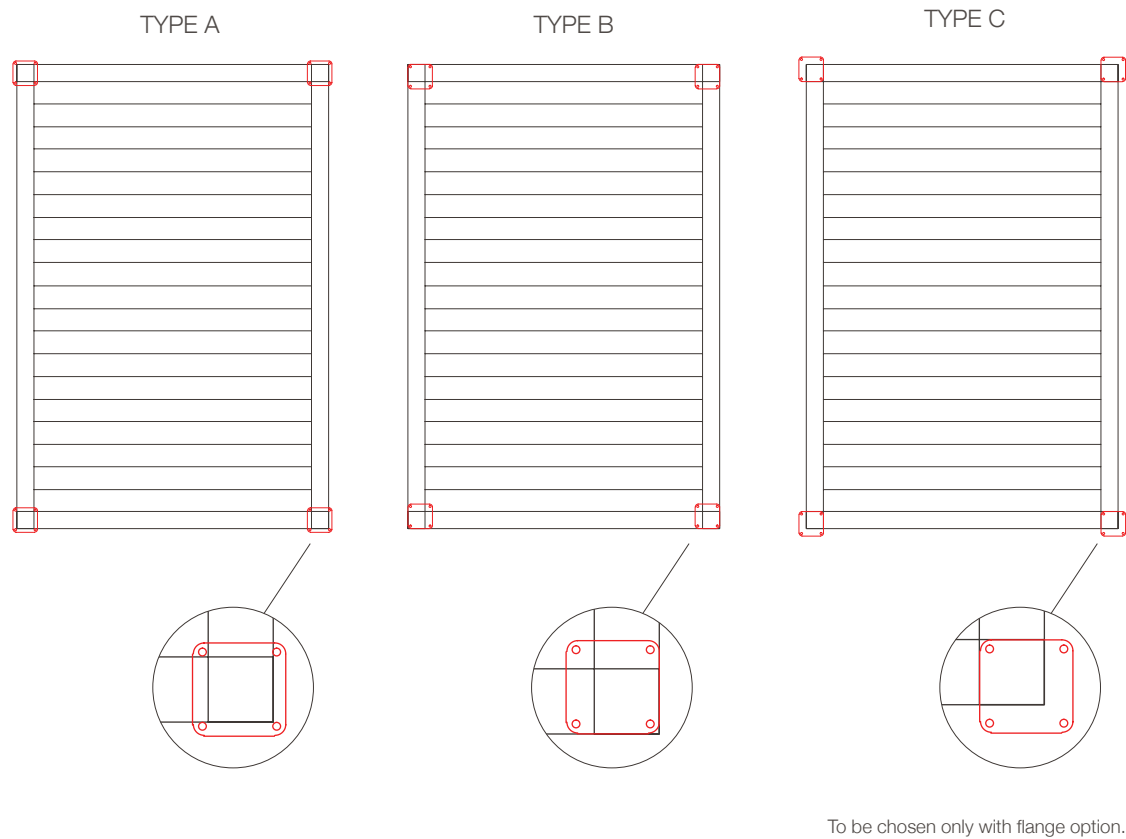
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



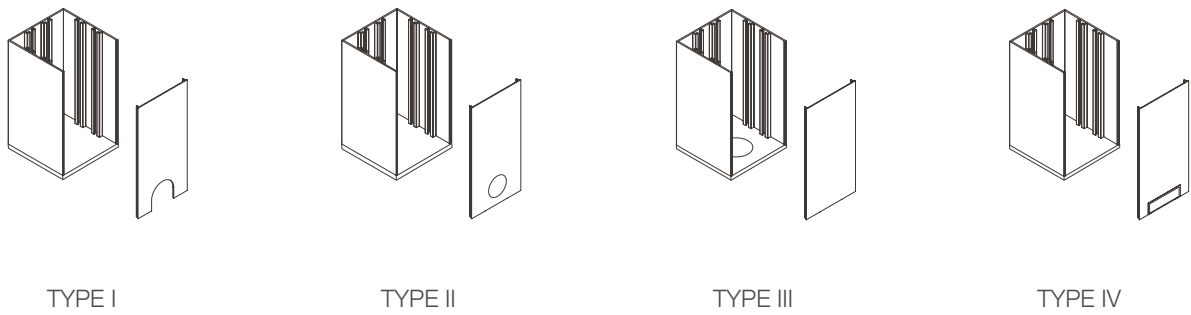
Column Base Options



Flange Positions

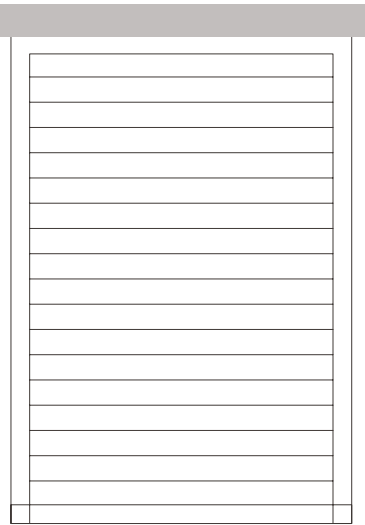


Drainage Types

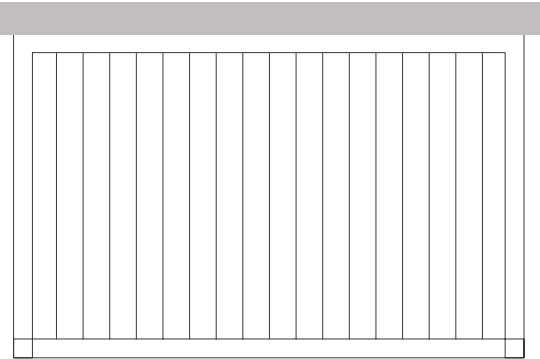


Wall Installation Louvre Positions

Parallel To Wall

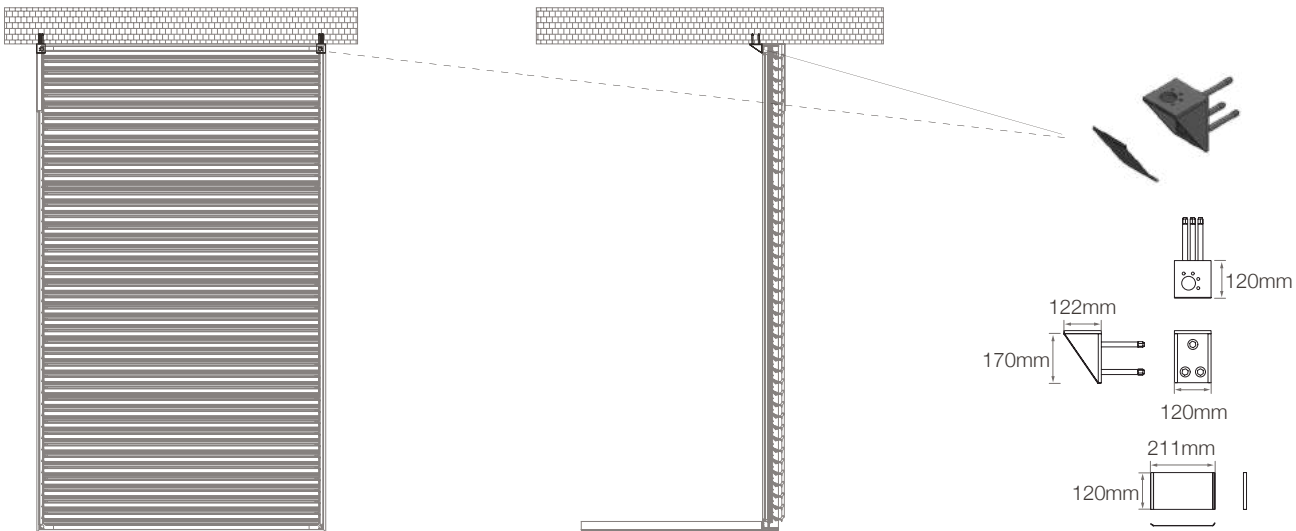


Vertical To Wall

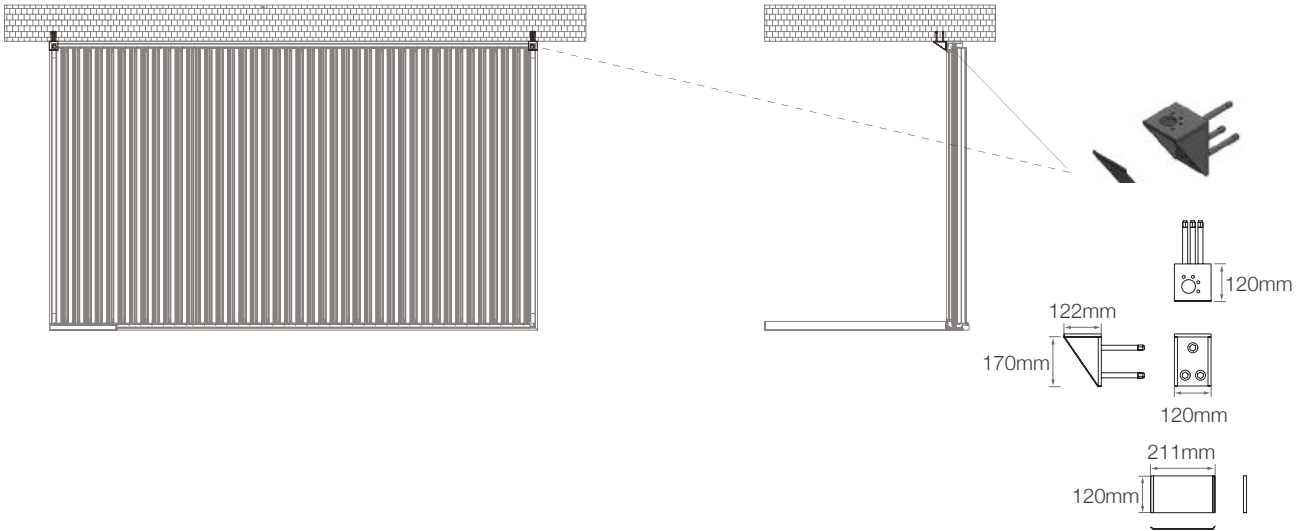


Hang Bracket Types

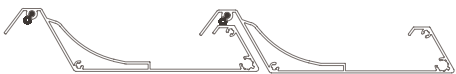
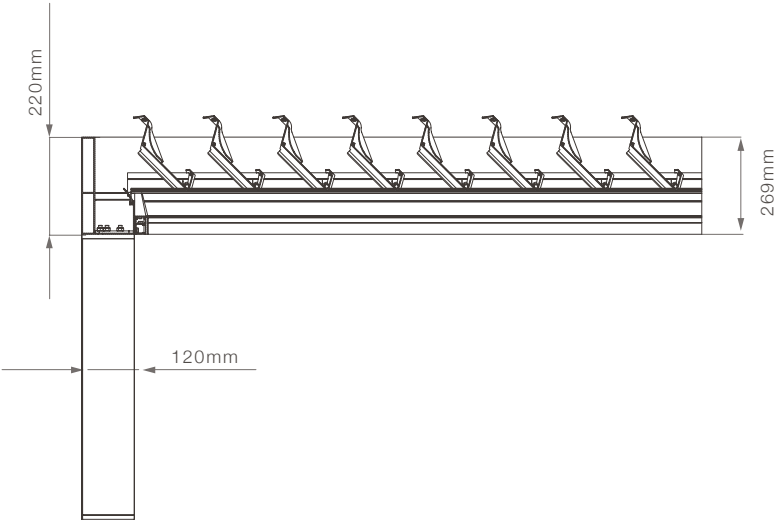
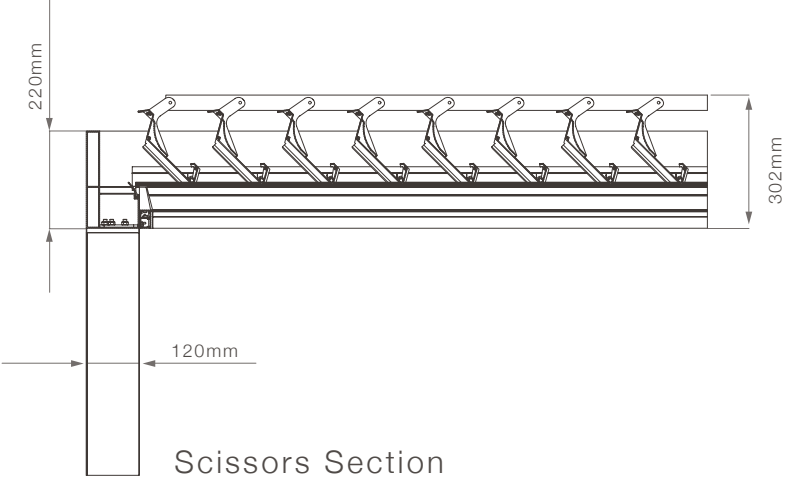
Paralel Mounting Outer Wall Bracket (Inox) With Optional Cap



Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap



Side Elevation



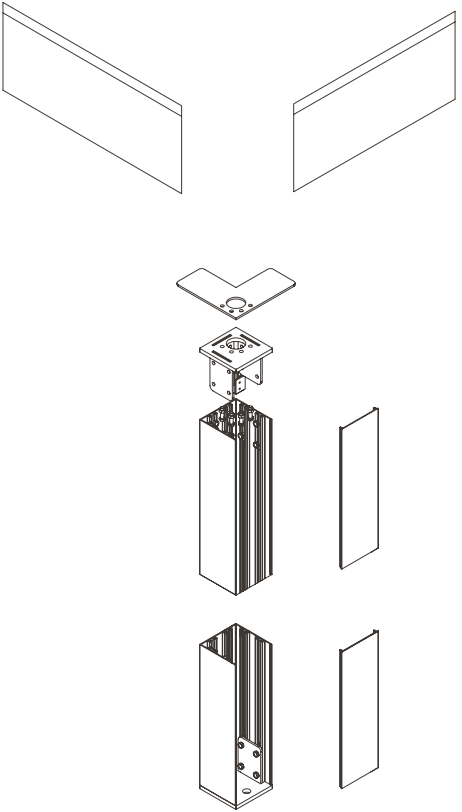
Louvre Stormguard Seal

Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.

Column Connection

Thanks to ease of column base assembly each column can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

The front column cap can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker and automation to provide clean appearance.

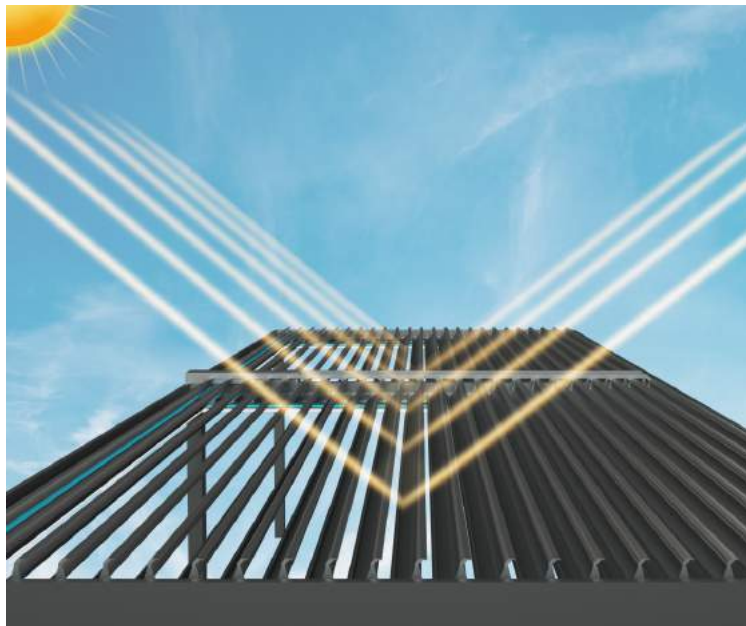




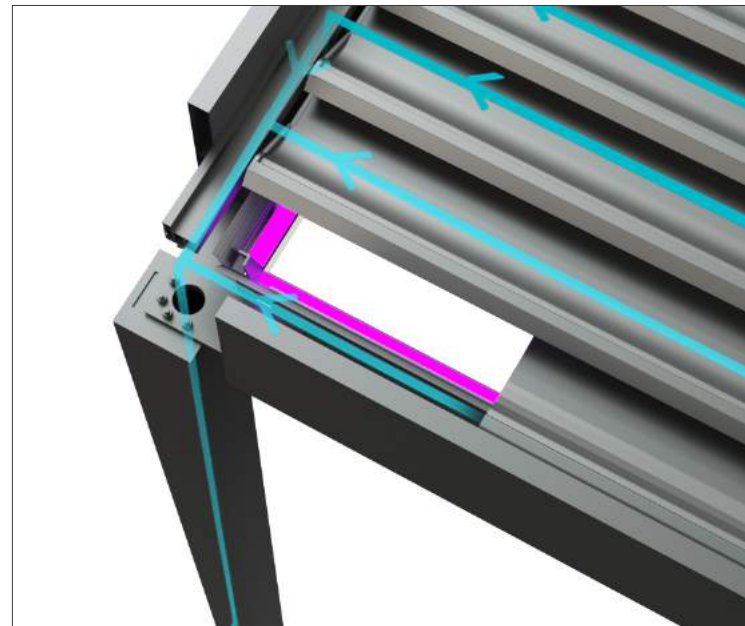
Slightly opening of louvres creates natural air flow for application areas.



Ensuring waterproof coverage when louvres are in fully closed position.



Protecting from sun exposure while ensuring air ventilation under the system .



Each channel on louvres drain the water through four sided gutters connected with columns.



Functional seal entegrated on louvre channels provides maximum protection from water dripping.

Closures



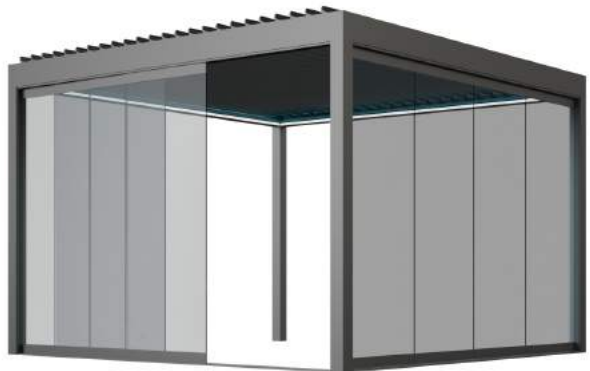
Sapphire/Cycle Guillotine Glass System
System can be adapted to Rota system and offers a maximum clear span that provides unobstructed view & minimalistic style. The system is operated by just the touch of button.



Framee Sliding Glass System
Minimal line of Framee system is perfectly matching with modern architectural Rota system by insulated fine-framed sliding glass panels. System offers a comfortable sliding with easy individual movement.



Swind-Motorised Windbreaker System
Swind can be combined with also Rota system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. The system is modular and completely flexible as there are no limits in the horizontal direction that can be used to surround spaces of all types and sizes.



Slidia Sliding Glass System
The combination of the sliding glass system with Rota ensures efficacious protection from wind and rain. The aluminium frames which cover each glass panel provide maximum safety standards and practicality with elegance details.



Violet Glass Balustrade System
The adaptability of Violet fixed balustrade glass with Rota creates a stunning visual transparency without lacking of obstruction to lines of sight. The stylish lighting solution that is integrated underneath the glass highlights attractive aspect of the design by amplifying overall aesthetic of outdoors. Thanks to flexible and multiple modular implementations, system can be used to cover comprehensive areas without limitation in the horizontal direction.



Vertex Zip Screen System
The minimalist, slimlane, contemporary design of the zip system provides comfortable shade and protects against the UV rays. The system includes motorised aluminium structure, entirely powder-coated with stainless steel bolts and screws.



Wallfix Fixed Side Enclosure
The unique designed privacy of Wallfix side enclosure can be combined with Rota system to optimise outdoor living areas visually.

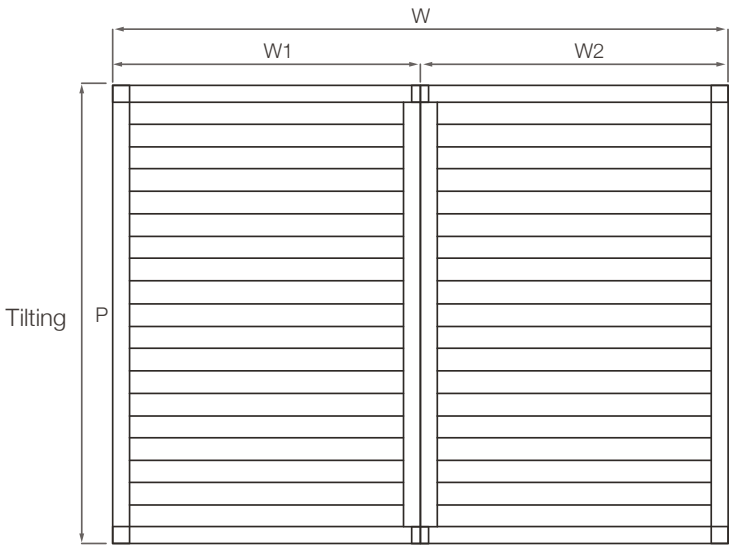
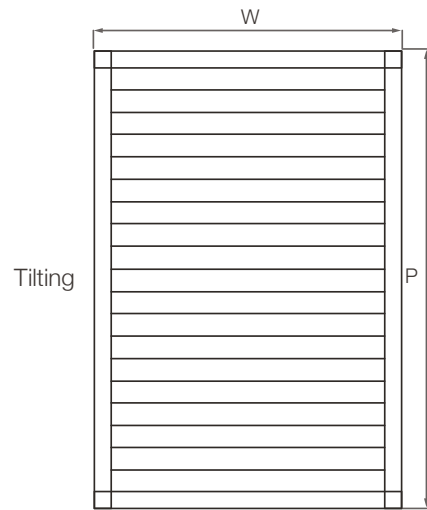
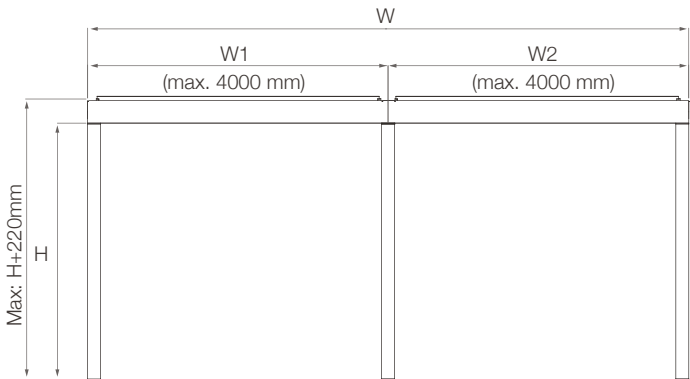
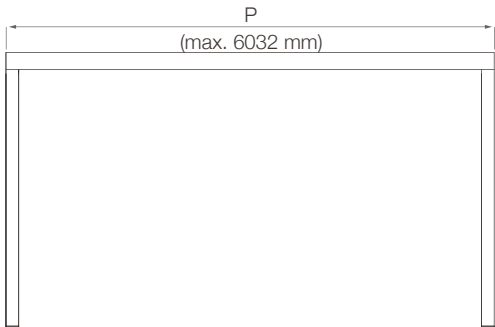
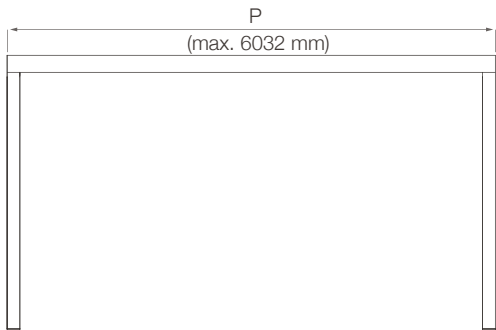
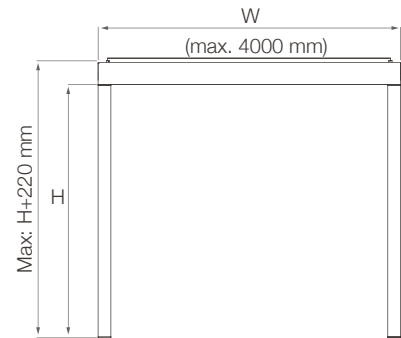
Dimension Ranges

Width dimension: Any customised values between 1800mm and 4000mm
Projection dimension: Adjustable according to louvre quantity

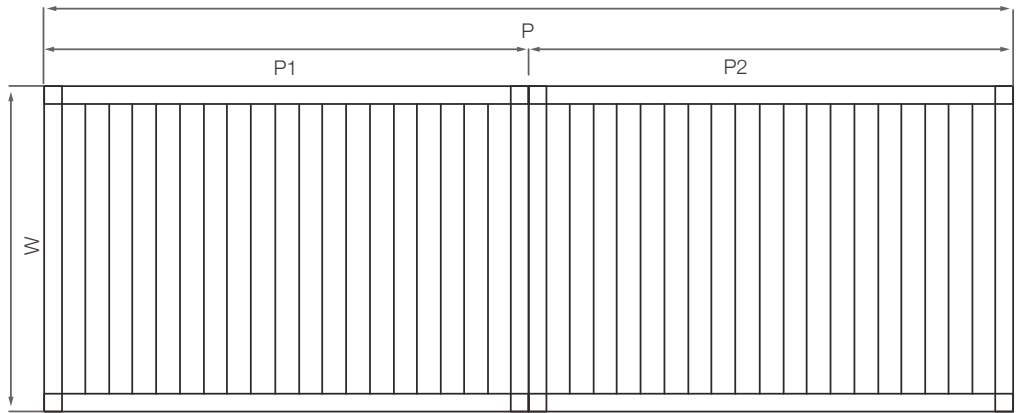
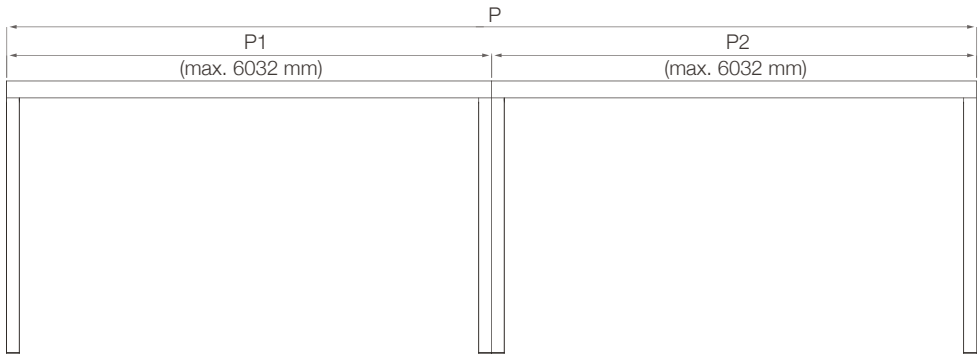
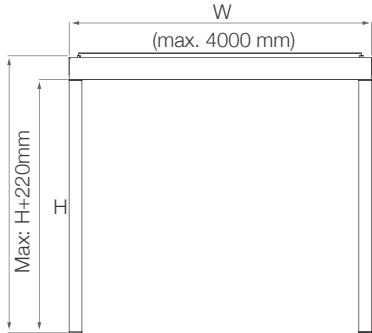
		WIDTH									
		1800									4000
NR. OF LOUVRES	PROJECTION	6	1134								
		7	1292								
		8	1450								
		9	1608								
		10	1766								
		11	1924								
		12	2082								
		13	2240								
		14	2398								
		15	2556								
		16	2714								
		17	2872								
		18	3030								
		19	3188								
		20	3346								
		21	3504								
		22	3662								
		23	3820								
		24	3978								
		25	4136								
		26	4294								
		27	4452								
		28	4610								
		29	4768								
		30	4926								
		31	5084								
		32	5242								
		33	5400								
		34	5558								
		35	5716								
		36	5874								
		37	6032								

Single Module
W: 1000 mm < 4000 mm
P: 1134 mm < 6032 mm

Multiple Modules Joining Type 1
W: 2000 mm < 8000 mm
P: 1134 mm < 6032 mm



Multiple Modules Joining Type 2
W: 1000 mm < 4000 mm
P: 2268 mm < 12064 mm



Tilting

Order Form

ROTA

Company Name:
Order Reference:

Order Date:

INSTALLATION TYPES

- ☐ Self Standing
☐ Wall Mounting
☐ Louvres Parallel to Wall
☐ Louvres Vertical to Wall

QUANTITY: pc

☐ If modules are multiple and each module is in different width or projection. Please provide details (single module max. dimension is 4000x6032 mm)

DIMENSIONS

W - Total Width..... mm
P - Projection mm
H - Post Height..... mm
Total Number of Posts Required pc

☐ Type 1
W1 mm
W2 mm
....
....
☐ Type 2
P1 mm
P2 mm
....
....

POWDER-COAT COLORS

Structure

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
<input type="checkbox"/> 7006	<input type="checkbox"/> OGN39	<input type="checkbox"/> ST7039	
<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

Louvres

RAL colors	Exclusive colors	Texture colors	
<input type="checkbox"/> 9016	<input type="checkbox"/> OGN35	<input type="checkbox"/> ST9010	<input type="checkbox"/> Other ...
<input type="checkbox"/> 1013	<input type="checkbox"/> OS561	<input type="checkbox"/> ST9001	
<input type="checkbox"/> 9006	<input type="checkbox"/> OY395	<input type="checkbox"/> ST1013	
<input type="checkbox"/> 7006	<input type="checkbox"/> OGN39	<input type="checkbox"/> ST7039	
<input type="checkbox"/> 7016	<input type="checkbox"/> ON617	<input type="checkbox"/> ST7016	
<input type="checkbox"/> 9005	<input type="checkbox"/> ON611	<input type="checkbox"/> ST8019	

LED LIGHTS

- ☐ Led Stripe Dimmer Lighting
☐ Cool White
☐ Day Light
☐ RGB Led - Hidden Stripe Lighting

SENSORS

- ☐ Rain Sensor
☐ Wind Sensor

OPTIONALS

- ☐ Additional Post

COLUMN BASE OPTIONS

- ☐ Hidden (Standard)
☐ Flange
☐ Flange With Cover Cap

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

- ☐ Type I
☐ Type II
☐ Type III
☐ Type IV

PACKAGING

- ☐ Standard
☐ Wooden Crate
Extra cost

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



Max. width for single module	4000 mm
Max. projection single module	6032 mm
Rafter profile dimension	120x220 mm
Post dimension	120x120 mm
Louvre dimension	150 mm
Louvre quantity in max. size	37 pcs
Louvre can be tilted up to	90°

Automation	included
Control unit	included
Led Stripe Dimmer lighting	optional
RGB Led - Hidden Stripe lighting	optional
Insulation foam	N/A
Edge cover profile	N/A
Drainage pipe	optional
Flange	optional
Rain Sensor	optional
Wind Sensor	optional

Technical Specifications
Rota

Technological Outdoor Covering System
With Rotating Louvres.

Description

Rota is an ideal technological outdoor covering system for creating outdoor living spaces along with its rotational louvre movement.

Dimensions

One module

Width 1000 mm < 4000 mm

Projection 1134 mm < 6032 mm

Column Height 3000 mm

- Blocked assembly for customized modules with a wide range of flexible combinations.

Technical Characteristics

- Extruded aluminium frame, blades & gutters - clean edges.
- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Concealed screws to offer clean finish.
- High grade stainless steel connection components.
- Large span with 4000mm dimension.
- Remote control for operation of mechanism and lighting.
- Invisible 15 mm slope on louvres for maximum water flow efficiency.
- Adjustable louvres for any position within the 90° range.
- Dimmer option to adjust lux intensity.
- Air and water insulation between joining axis of multiple applications is provided by U profile.
- Applicability of guillotine, sliding / sliding frame / folding glass and zip systems.
- Fully waterproof coverage when louvres are in fully closed position.
- Functional seal integration on louvre channel to prevent water leaking and provide extra insulation.
- Seal integration along structure for water insulation and temperature resistance.

- The water is flowed down to the main gutters by special drainage channels along the louvres and drained through columns.
- Internal rainwater down-pipe for columns.
- IP68 protection class, 12/24VDC power supplied linear actuator motor with stainless steel piston rod that enables the louvre to rotate.
- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standarts.
- In addition to standart RAL colors, Exclusive and Texture range aluminium.
- Functional louvre lay out in parallel or vertical position to wall.

II | Profile Section Dimensions

Rafter / Gutter	: 120 mm x 220 mm x 2,5 mm
Column	: 120 mm x 120 mm x 2,5 mm
Louvre	: 206 mm x 50 mm x 1,8 mm

III | Installation Methods

- Individual modules can be customised according to specified finish up to 4000mm width and 6032mm projection with flexible installation methods such as integration into existing frameworks, wall mounting and free standing for larger outdoor areas.
- System can be assembled as single or multiple modules.

IV | Columns

- Dimensions: 120 x 120 mm x 2,5 mm
- Simple column assembly.
- The column cap profile can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker or automation to provide pure appearance.
- 3 different column base options: Hidden, Flange, Flange With Cover Cap.

V | Weather Resistance

Wind Resistance

- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

- The four sided gutter for completely ensured waterproofness.
- Optional PVC pipe (Ø45) integration inside columns.
- Customised drain points flexibility.

VI | Additional Equipments

- Heater, speaker or other automations can be integrated into the system.
- Rain and wind sensor can be adapted.

Rain sensor closes the blades automatically when it rains.

The blades should be closed when wind speed reaches to 102 km/hour to save under warranty terms.

VII | LED Lighting

Integrated RGB-Led Hidden Stripe and Led Stripe Dimmer Lighting on sides within the structure.

- Led Stripe Dimmer Lighting

Cool White, 60 LEDs/m I +5100-6500K I 1130 lumens/m

Day Light, 120 LEDs/m I +2800-3500K I 1094 lumens/m

- RGB Led-Hidden Stripe Lighting

96 LEDs/m

VIII | Sensors

Wind and rain sensors can be adapted for an optimum level of comfort. These smart sensors are designed to respond fully automatic based on weather conditions in a specific situation. It functions as a protection against unexpectable weather conditions. Sensors will activate an automated system that close/retract the roof and protect the furniture & underneath of covered area even if you are not able to control the system.

Wind sensor

Wind sensor monitors the gust of wind then retract your outdoor product to protect it against unexpected strong winds and offers constant protection. The wind speed value required to do this is set directly at the sensor. If the wind picks up significantly wind sensor will close the roof depending on a pre-set wind speed. Thanks to ease of installation and minimal cabling it can be setup simply.

Rain sensor

Rain sensor will automatically detect the rain and close your roof to prevent raindrops falling through open roof systems even if you are not able to control the system. If rain is detected the pergola will be closed and the remote control will be needed to open it back.

IX | Closures

Systems can be completely enclosed with Sapphire automatic vertical glass system, Swind windbreaker system, Violet, Framee, Slidia or motorised Vertex zip for further protection from the elements.

Sapphire

Sapphire is an automatic vertical guillotine glass system enriched with patented worm shaft technology.

- Systems can incorporate framed tempered 8 mm and 10 mm single or 4mm+12mm+4mm / 5mm+10mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Operation is motorised.
- Upwards or downwards parking position options.
- Fixed panels can be used as balustrades.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Switch, remote or smart home control availability.
- Fine frames with thermal and sound insulated rubber seals.
- Wide open view with up to 4 meters width vertical glass panels.

Cycle

Cycle is an automatic vertical guillotine glass system with strengthened chain mechanism.

- Systems can incorporate framed tempered 5mm+11mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Motorised operation with switch, remote or smart home control availability.
- Upwards or downwards parking position options.
- Balustrade usage ability with the handrail design that covers the glass panels.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Protected usage with safety sensor.
- Fine frames with thermal and sound insulated rubber seals.
- Easy assembly & disassembly with compact guide profile consisting of four parts.
- Wide open view with up to 4 meters width vertical glass panels.

Swind

Swind is an automatic vertical up-down glass panel.

- Electrostatic powder-coated frame.
- Extruded aluminium fix panel frame.
- Concealed screws to offer clean finish.
- Horizontal counterweight for smooth motion.
- High strength belt mechanism for balanced movement.
- 10mm fixed and 8mm up-down automatic moveable tempered glass panels.
- Frameless moveable glass panel for unobstructed view.
- Led stripe dimmer lighting integrated side frame / invisible electrical cables.
- Remote control for operation of mechanism and lighting.
- Fast opening-closing cycle.
- Fully hidden compact direct drive motor system.
- Ease of installation with single or multiple modules.
- Portability with optional wheel integration.
- Availability of usage as balustrade in closed position.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Violet

Violet glass balustrade system.

- Concealed screws to offer clean finish.
- Glass fixed pane is 8+1.52 pvb+8mm.
- Led stripe dimmer lighting integrated integrated underneath the glass / invisible electrical cables.
- Remote control for operation of lighting.
- Ease of installation with single or multiple modules.
- Availability of usage as Hand Rail (Optional).
- Compact & Easy Assembly.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Framee

Framee, sliding glass system with fine-framed double glazed panels.

- Double insulated glass (6+12+6mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Electrostatic powder-coated frame.
- Handle with Click Lock on first panel and Handle with Hidden Lock on the last panel on internal side of sliding panels for security

measures.

- Combination availability with Vertex Zip System for sun protection.
- Available with 2,3 or 4 rails up to maximum 8 panels combined with side or central openings.
- Natural, stainless steel and black anodyse color options.

Slidia

Slidia is a sliding glass system with individual parallel glass panels.

- Electrostatic powder-coated frame.
- Features slim aluminum glass profiles.
- Individual panels can be moved horizontally with single or double slide options.
- Bottom wheel carriages with double rollers ensure optimum and smooth running even with wide glass panels.
- Successive panels can be moved by the grap mechanism.
- Height adjustable wheel carriages up to 5mm.
- Sloped rail design for efficient drainage.
- Anodised bottom rail for easy and smooth movement.
- Rain and wind resistance by double sided transparent gaskets (standard), transparent gaskets with brush or aluminum slats with brush.
- Brush and rubber cord for high frame insulation.
- Anti-slip rubber ensures safety passage and also offers ease of rail surface cleaning.
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 3 or 5 rails up to maximum 10 panels, combined with side or central openings.

Vertex Zip System

Vertex is a motorised external blind system.

- It provides comfortable shade and protects aganist the UV rays.
- The system includes motorised aluminium structure.
- Each screen has a pair of identical side channels.
- Entirely powder-coated with stainless steel components.
- Maximum protection against solar radiation and penetration of heat while preserving the optimal level of natural light in the interior and contact with environment.
- The production technology of fabrics ensures a high resistance to external influences such as wind or changes in temperature and humidity.

Wallfix

Wallfix is an aluminum louvered fixed wall system.

- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Compact & Easy Assembly with click louvre connection.
- Clean finishes with hidden joining details.
- Extruded aluminium fine line fixing frame.
- Concealed screws to offer clean finish.
- Large span with 6000mm dimension.
- Sound and heat insulation with double layered louvre (panel) design.
- Maximum safety with block assembly.

Doors

Glass door

- Frameless hinged and frameless hydraulic glass doors are available.
- Single tempered glass (10mm).
- Available with single panel and double panels (each panel in maximum 1000mm).
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Allen&Key lock for security.

Framed glass door

- Hinged and hydraulic framed glass doors are available.
- Electrostatic powder-coated frame.
- Available with double insulated single panel and double panels (each panel in maximum 1000mm).
- Double insulated glass (4+11+4mm).
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Push & Pull Bar handle types.
- Pull Handle/ Lock.

Photocell Door

- Aluminum framed automatic glass door.
- Electronic lock.
- Possibility of manuel usage in emergency situations.
- Electrostatic powder-coated frame.
- Available in Laminated glass (4+4mm).
- Single panel and double panel options (each panel in maximum 1000mm).
- Fast opening-closing cycle and insulation materials for preserving heat balance between indoor and outdoor.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- One side button or double side button and double sided transition control types.

X | Structure Color Options / Finishes

- The products are available with a wide range of colour options in standard or architectural textured coatings.
- In addition to standard RAL colors, Exclusive and Texture range aluminium colors can be offered.
- QualiMarine and Qualanod finishes are also available beside of Qualicoat finishes.

XI | Warranty

	Rota	Sapphire	Cycle	Swind	Violet	Framee	Slidia	Vertex	Wallfix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

Tilting



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Installation Types

Self Standing Single Module



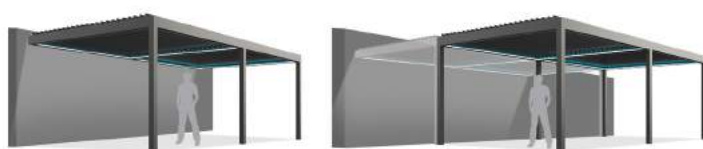
Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Closures

Sapphire& Cycle



Swind



Violet



Framee



Slidia



Vertex



Wallfix





QUATTRO

Distinctive aesthetic style with intelligent lighting control...

Quattro system that combines sophisticated technology and innovative concept is created to breathe new life into outdoor living areas with its modern architectural form along with a unique sense of design. Quattro is characterized by an advanced technology and exalting the product aesthetics.

Quattro has clean modern lines with a minimalist geometric appearance and it is the latest in Suntech's extensive contemporary collection of outdoor living solutions. System also introduces innovative world's first lighting that is integrated within the fabric layer by inspired unique asymmetrical lines. The patented lighting system is also equipped with RGB Led - Hidden Stripe lighting to vary color and Led Stripe Dimmer lighting on sides within the structure to provide intensity or HDD Lux High Power Led lighting options integrated on fabric.

Individual modules can be customised up to 5.5m wide and 8m projection with flexible installation methods such as integration to existing structures, wall mounting and free standing for larger outdoor areas.

- Led Stripe Dimmer Lighting
- RGB Led-Hidden Stripe Lighting
- Linear Fabric Dimmer Led



Led Stripe Dimmer Ligting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinitive colour options.

Hdd Lux High Power Led integrated lighting profiles on fabric creates sufficient ambient light during evening.

Linear Fabric Dimmer Led innovative world's first lighting that is integrated within the fabric layer by inspired unique asymmetrical lines. The patented lighting system can be offered symmetrical or asymmetrical design to complete your minimalist style.

Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



Self Standing
Single Module



Wall Mounting
Single Module



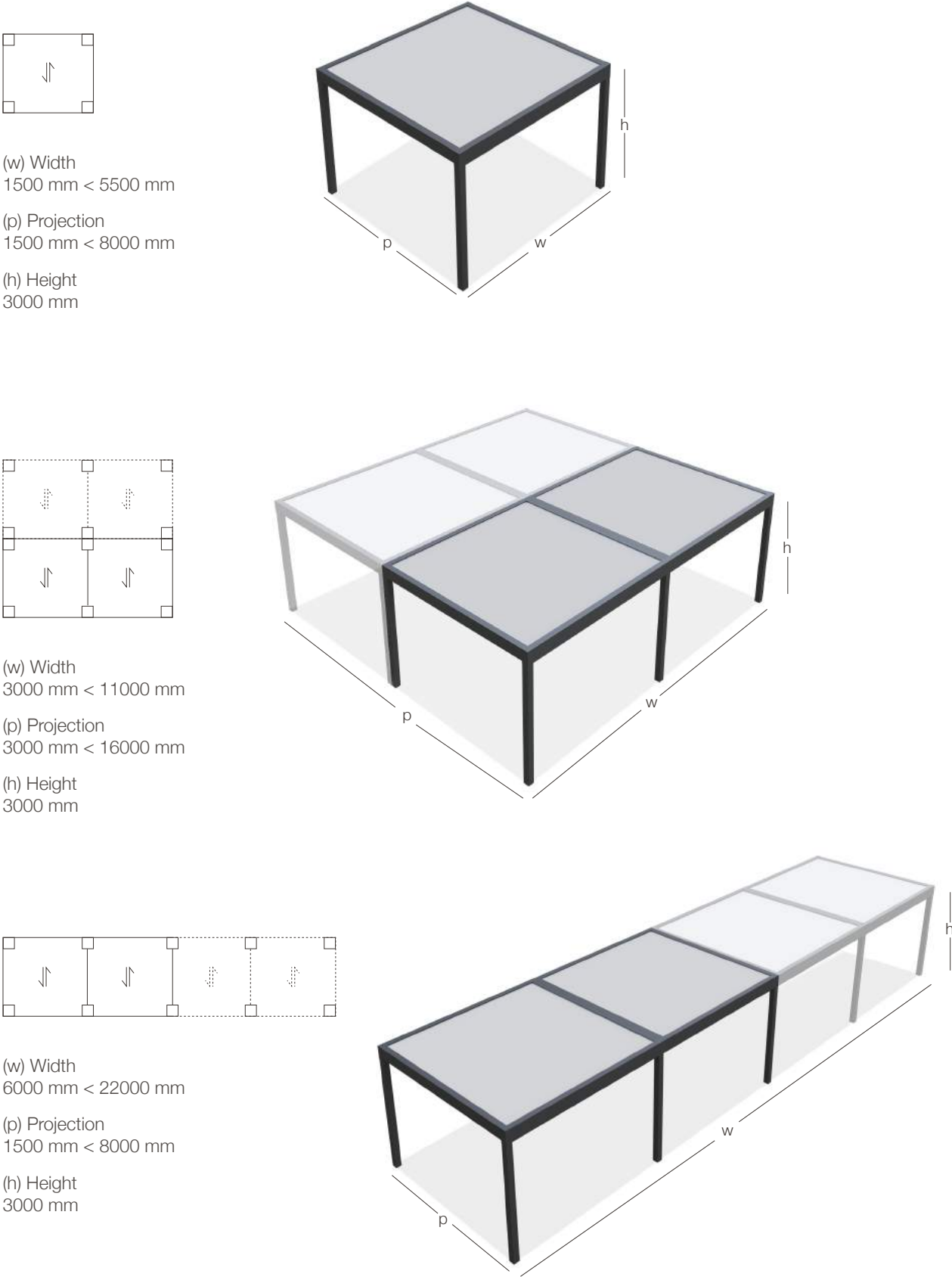
Self Standing
Multiple Modules



Wall Mounting
Multiple Modules

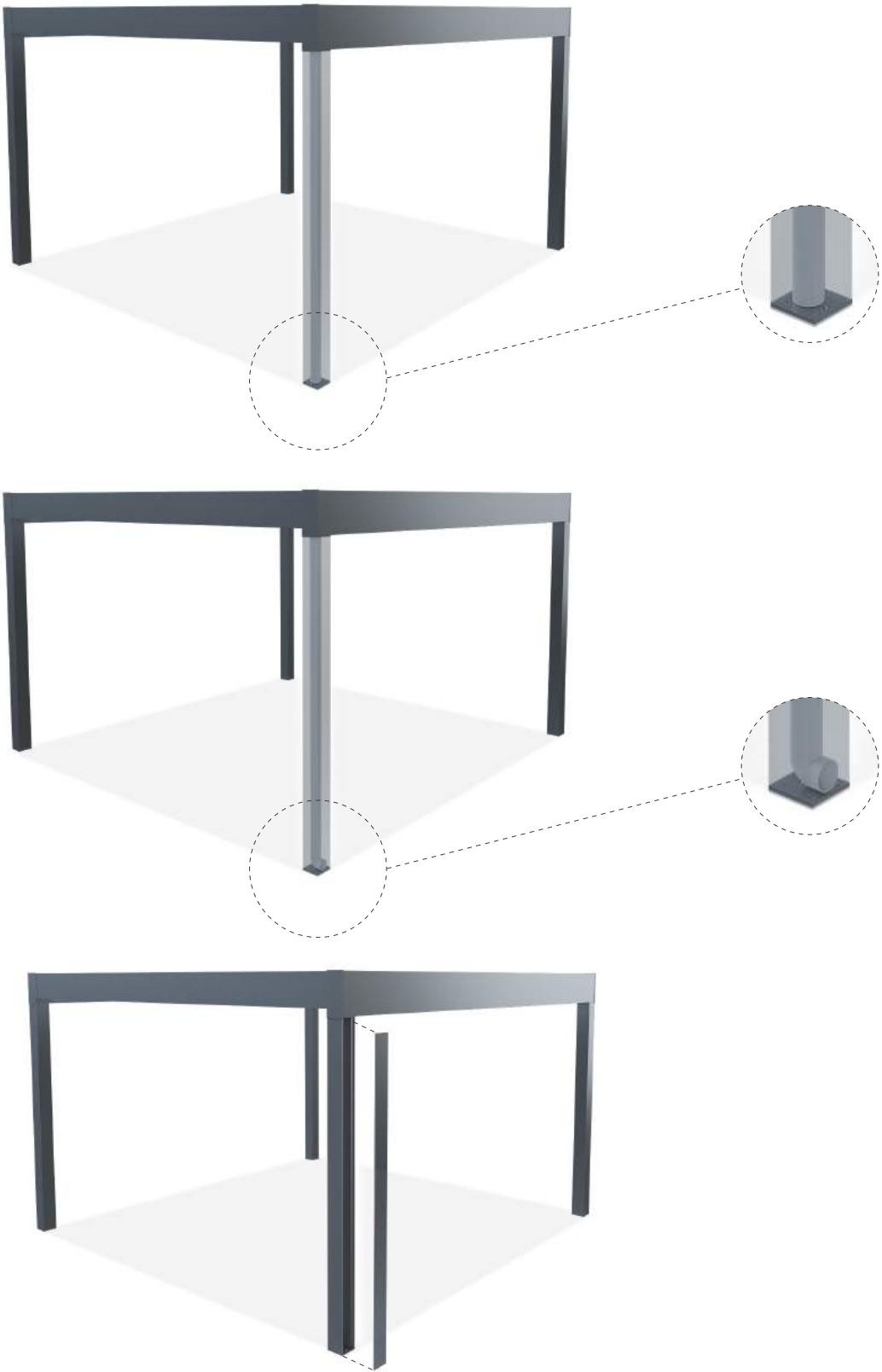


Blocked assembly for customized modules with a wide range of flexible combinations.

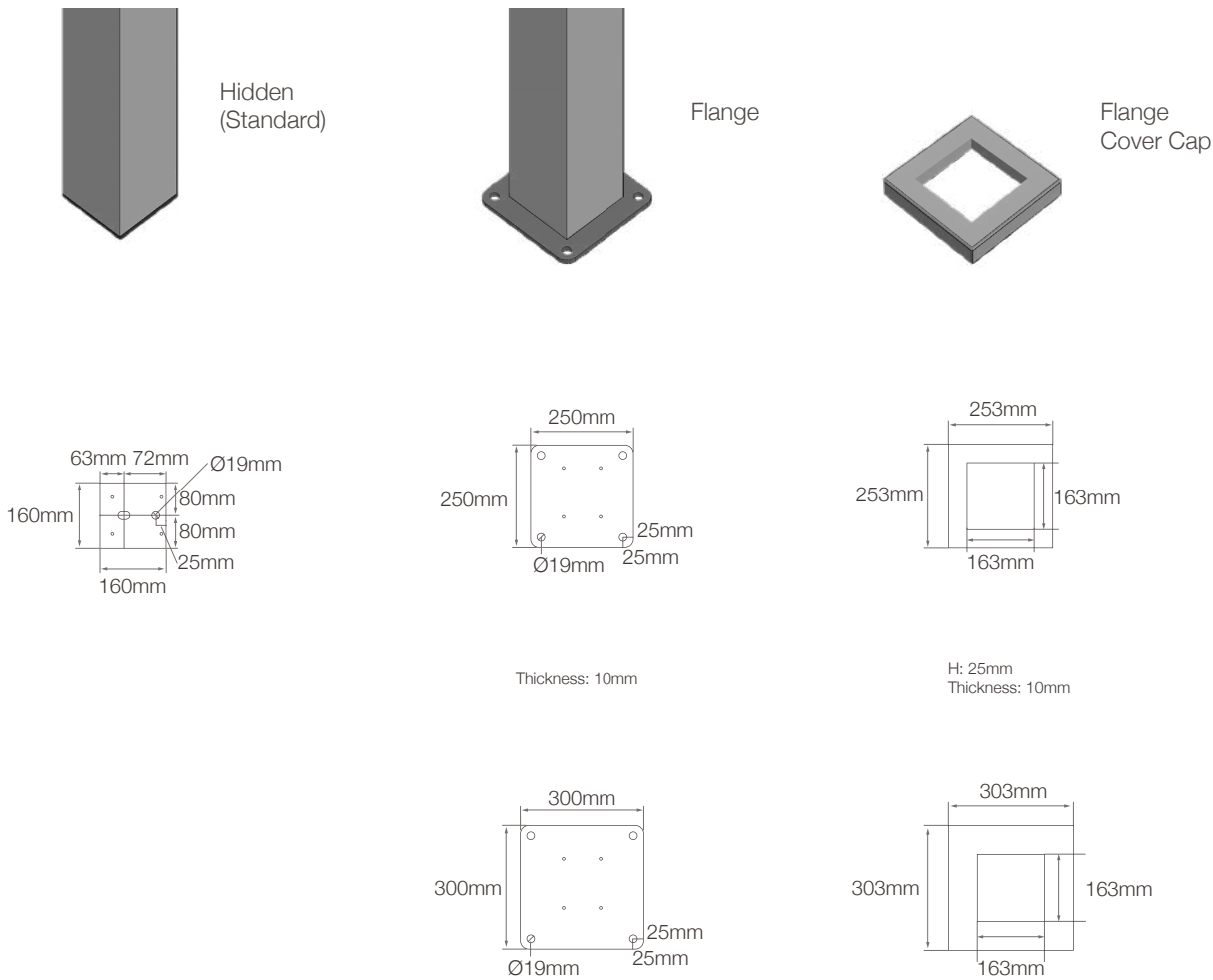


Intra-Column Drainage Pipe

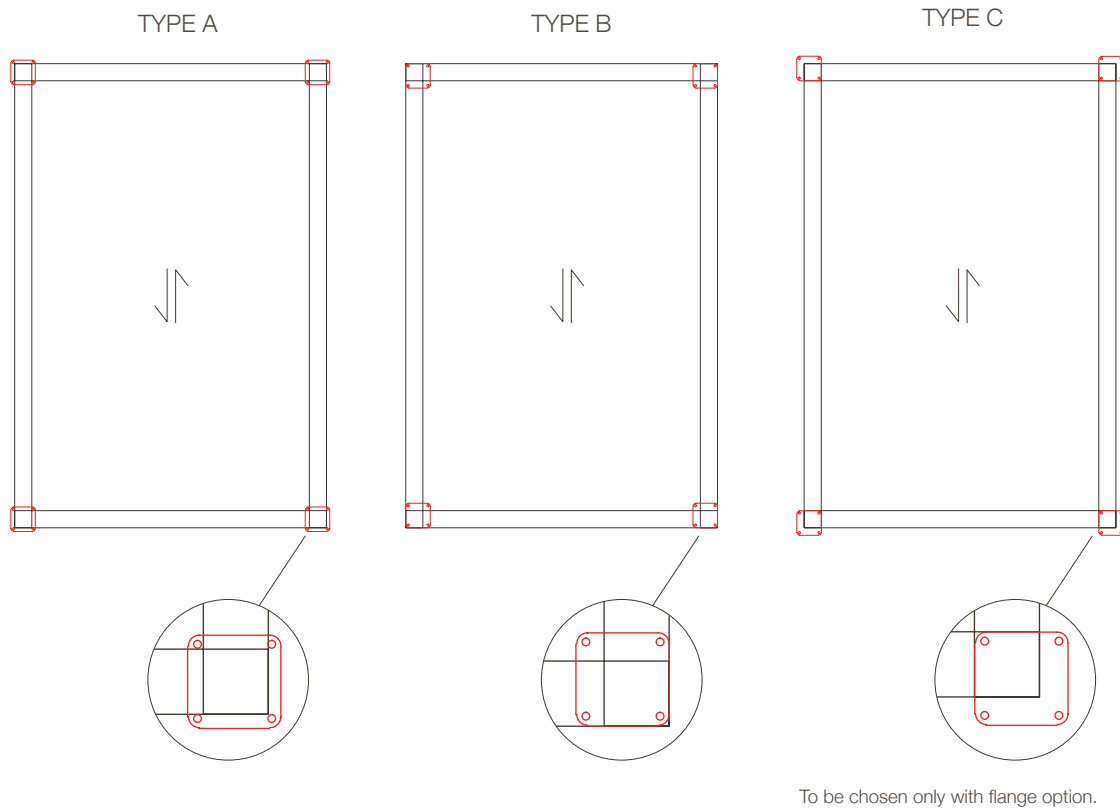
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



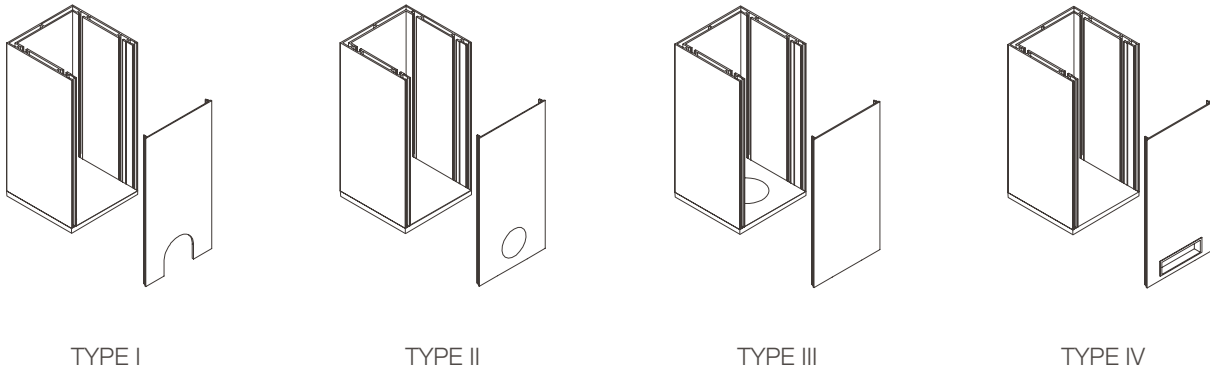
Column Base Options



Flange Positions

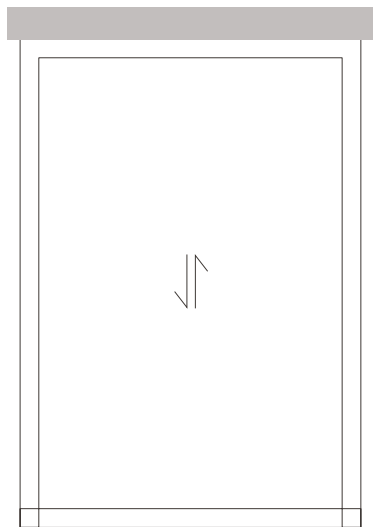


Drainage Types



Wall Installation

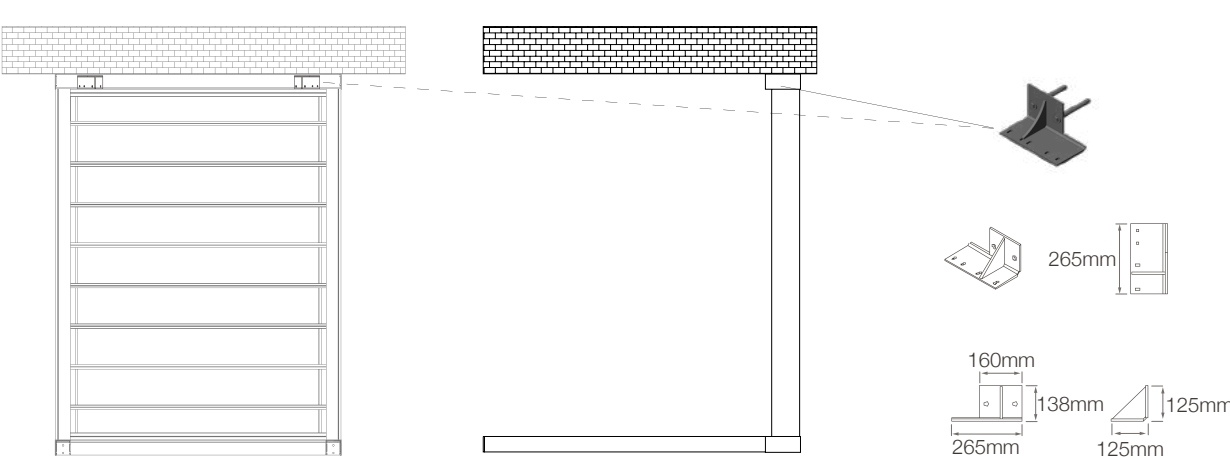
Parallel To Wall



Vertical To Wall

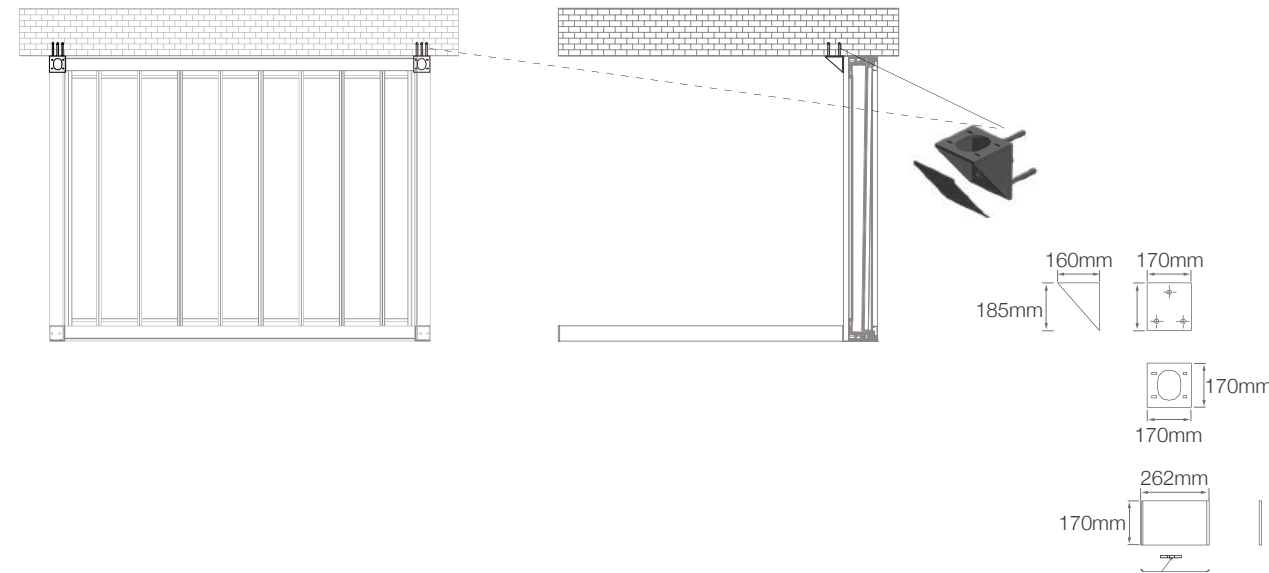


Inner (Hidden) Wall Bracket (Inox)

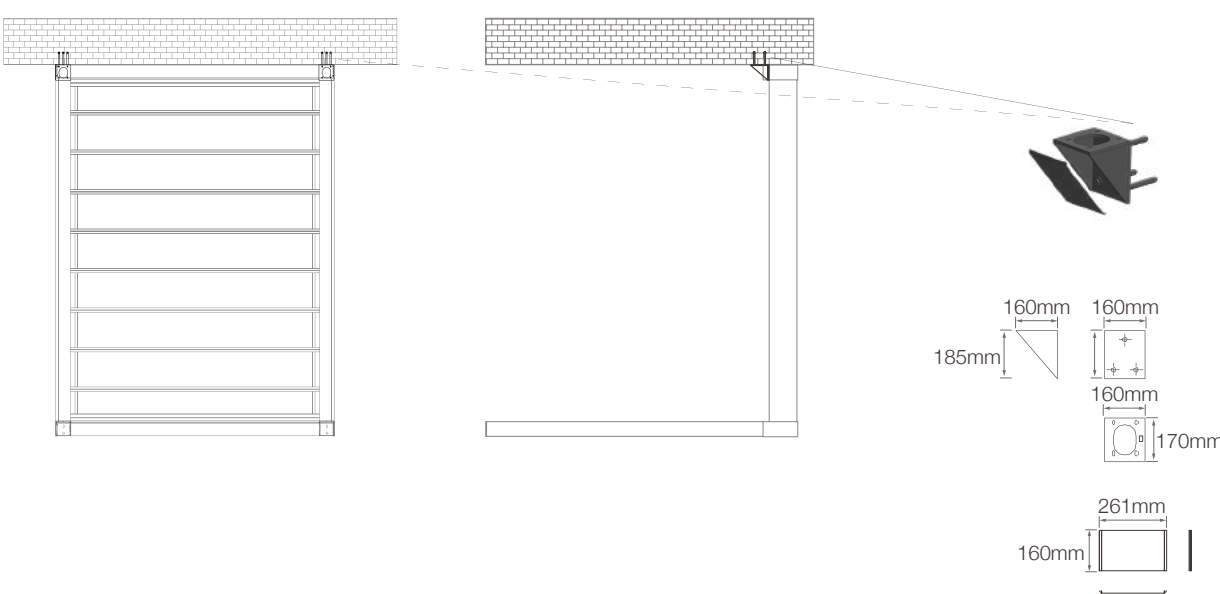


Hang Bracket Types

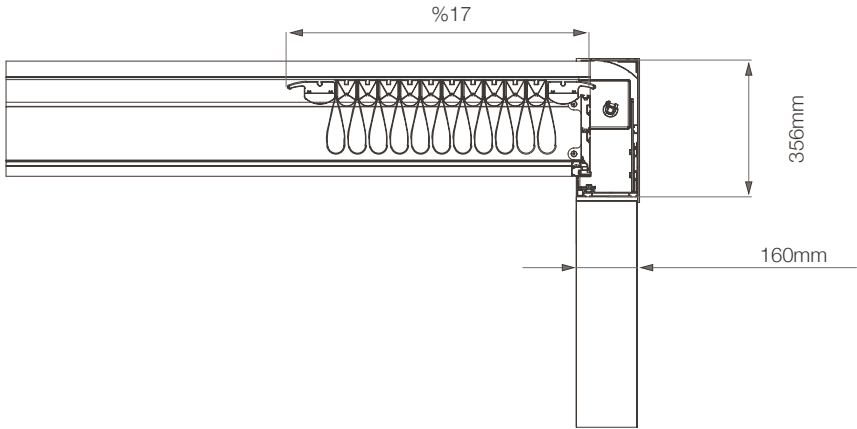
Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap



Paralel Mounting Outer Wall Bracket (Inox) With Optional Cap

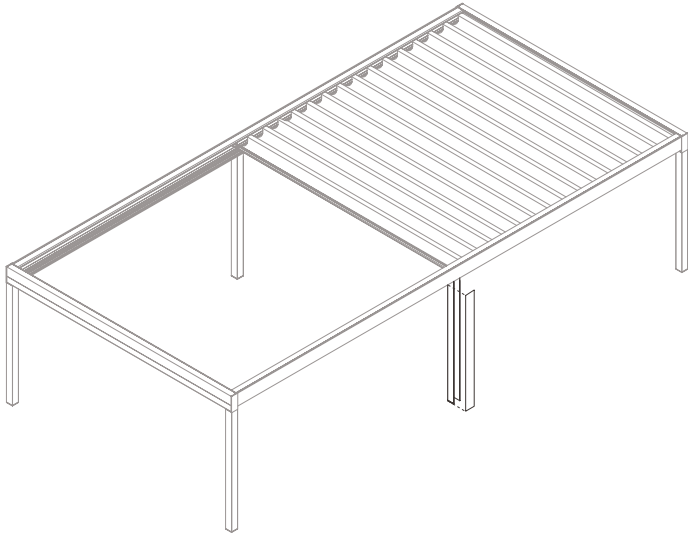


Side Elevation



Support Column

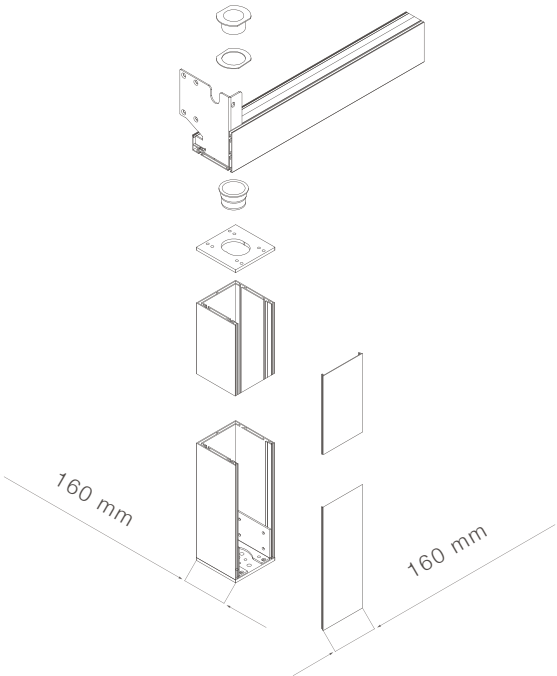
Over 7000mm projection dimension support columns need to be used.



Column Connection

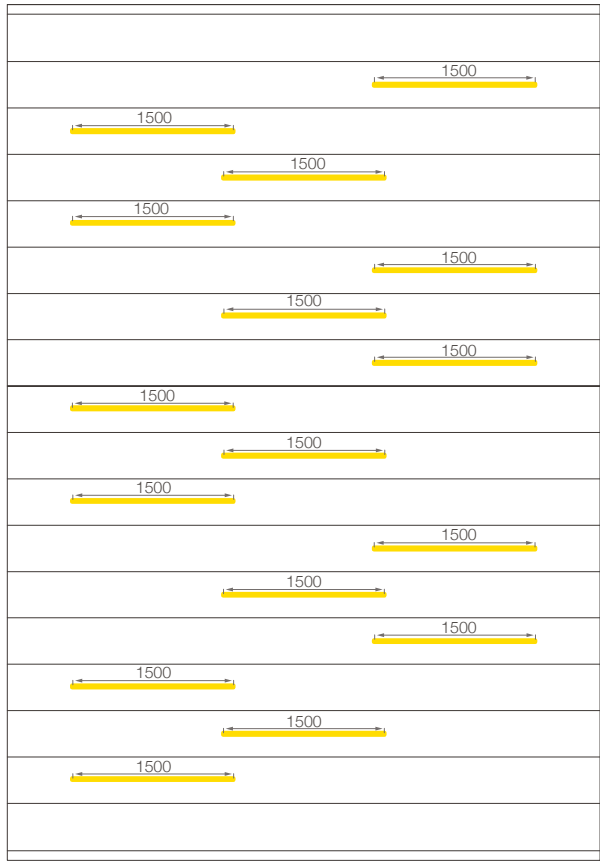
Thanks to ease of column base assembly each columns can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

The front column cap can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker or automation to provide clean appearance.

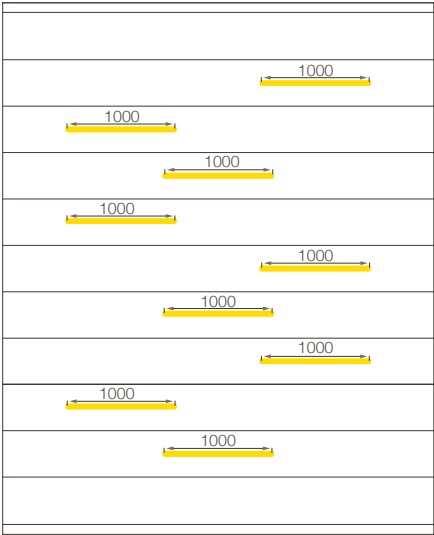


Linear Fabric Dimmer Led
Configuration

Symmetrical

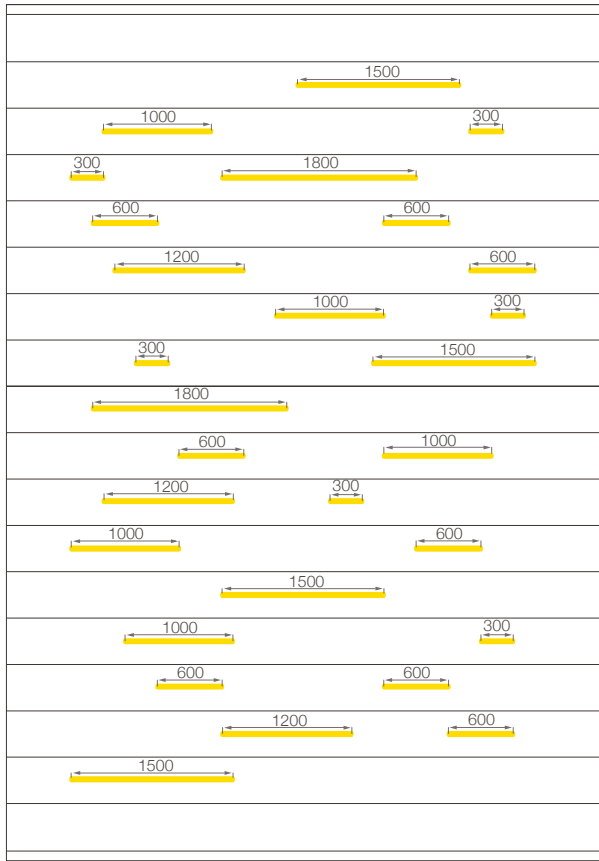


(w) Width
4000 mm > 5500 mm
(p) Projection
5000 mm > 8000 mm

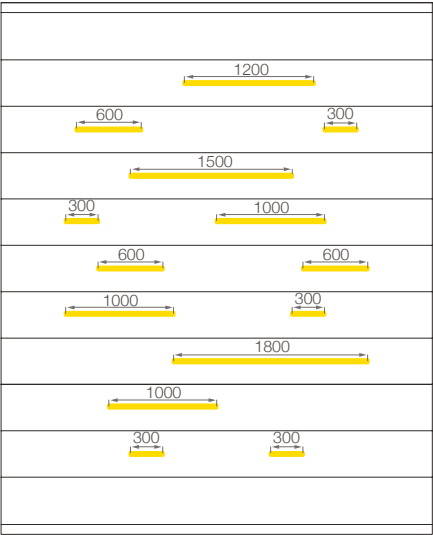


(w) Width
1500 mm > 4000 mm
(p) Projection
1500 mm > 5000 mm

Asymmetrical



(w) Width
4000 mm > 5500 mm
(p) Projection
5000 mm > 8000 mm

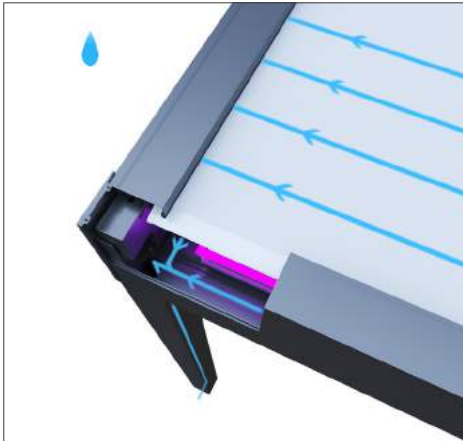


(w) Width
1500 mm > 4000 mm
(p) Projection
1500 mm > 5000 mm

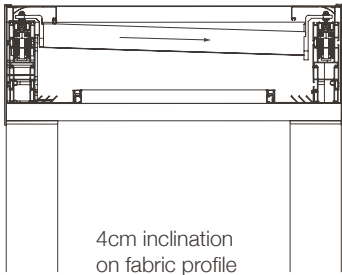
Water Flow

The fabric is equipped with invisible bilateral slope that enables one side or alternating drainage through rafters while keeping flat appearance.

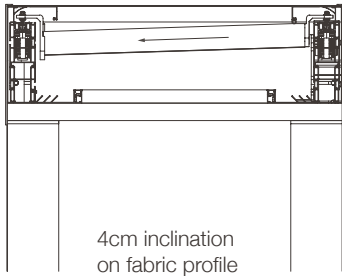
One Side Flow



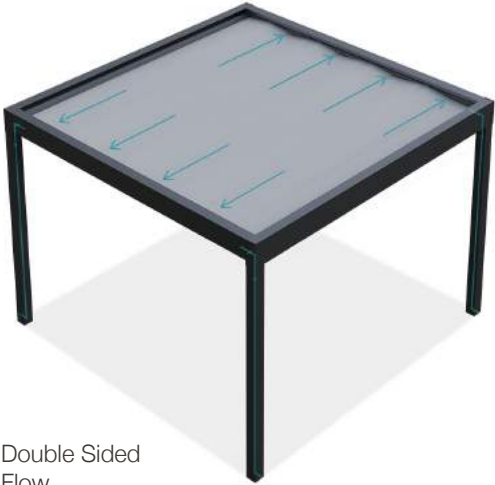
Right Side Flow



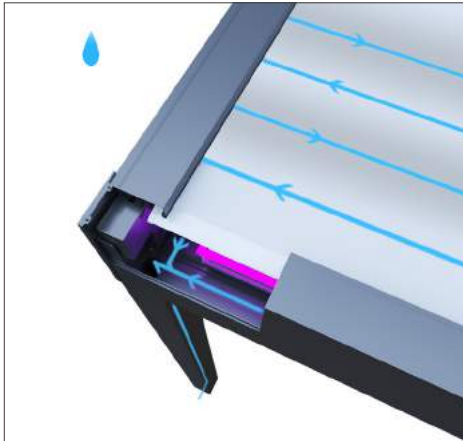
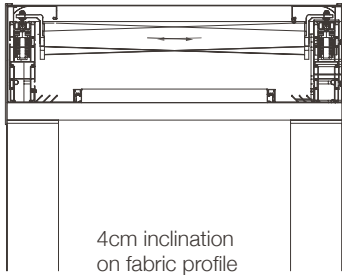
Left Side Flow



Alternating Flow



Double Sided Flow



Closures



Sapphire/Cycle Guillotine Glass System
System can be adapted to Quattro system and offers a maximum clear span that provides unobstructed view & minimalistic style. The system is operated by just the touch of button.



Swind-Motorised Windbreaker System
Swind can be combined with also Quattro system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. The system is modular and completely flexible as there are no limits in the horizontal direction that can be used to surround spaces of all types and sizes.



Violet Glass Balustrade System
The adaptability of Violet fixed balustrade glass with Quattro creates a stunning visual transparency without lacking of obstruction to lines of sight. The stylish lighting solution that is integrated underneath the glass highlights attractive aspect of the design by amplifying overall aesthetic of outdoors. Thanks to flexible and multiple modular implementations, system can be used to cover comprehensive areas without limitation in the horizontal direction.



Framee Sliding Glass System
Minimal line of Framee system is perfectly matching with modern architectural Quattro system by insulated fine-framed sliding glass panels. System offers a comfortable sliding with easy individual movement.



Slidia Sliding Glass System
The combination of the sliding glass system with Quattro ensures efficacious protection from wind and rain. The aluminium frames which cover each glass panel provide maximum safety standards and practicality with elegance details.

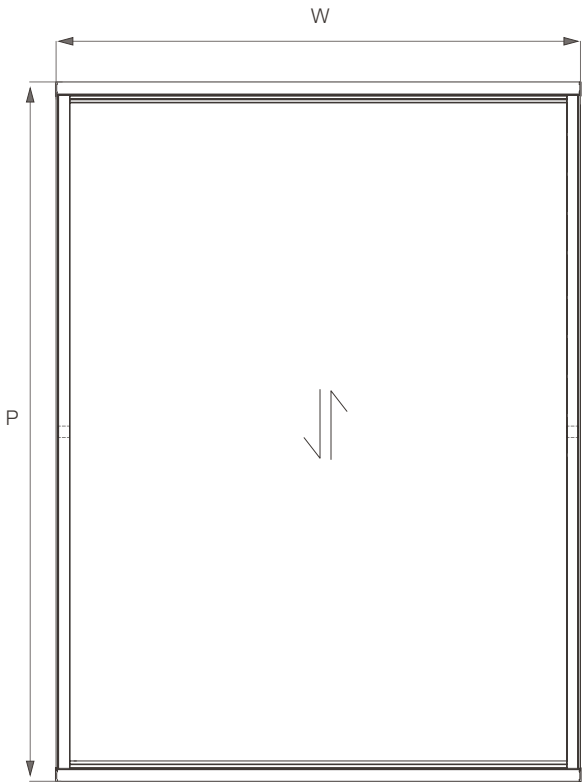
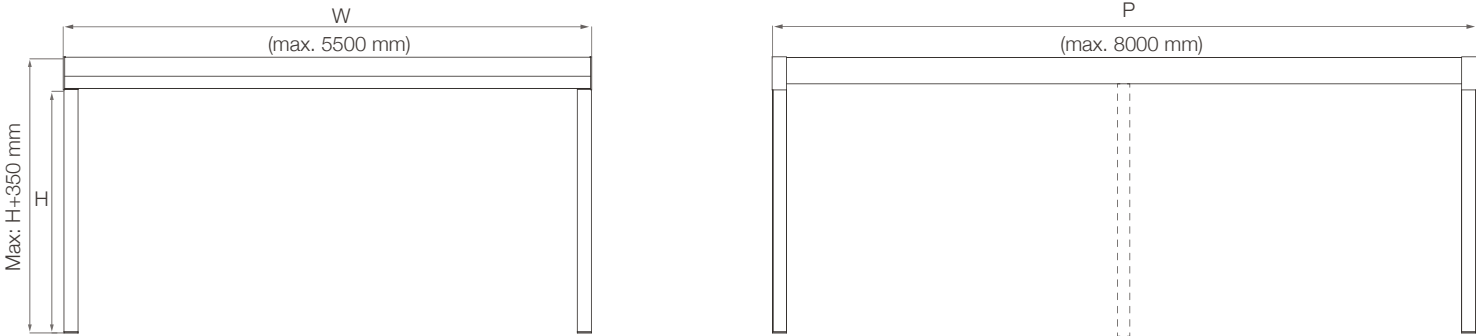


Vertex Zip Screen System
The minimalist, slimlane, contemporary design of the zip system provides comfortable shade and protects against the UV rays. The system includes motorised aluminium structure, entirely powder-coated with stainless steel bolts and screws.

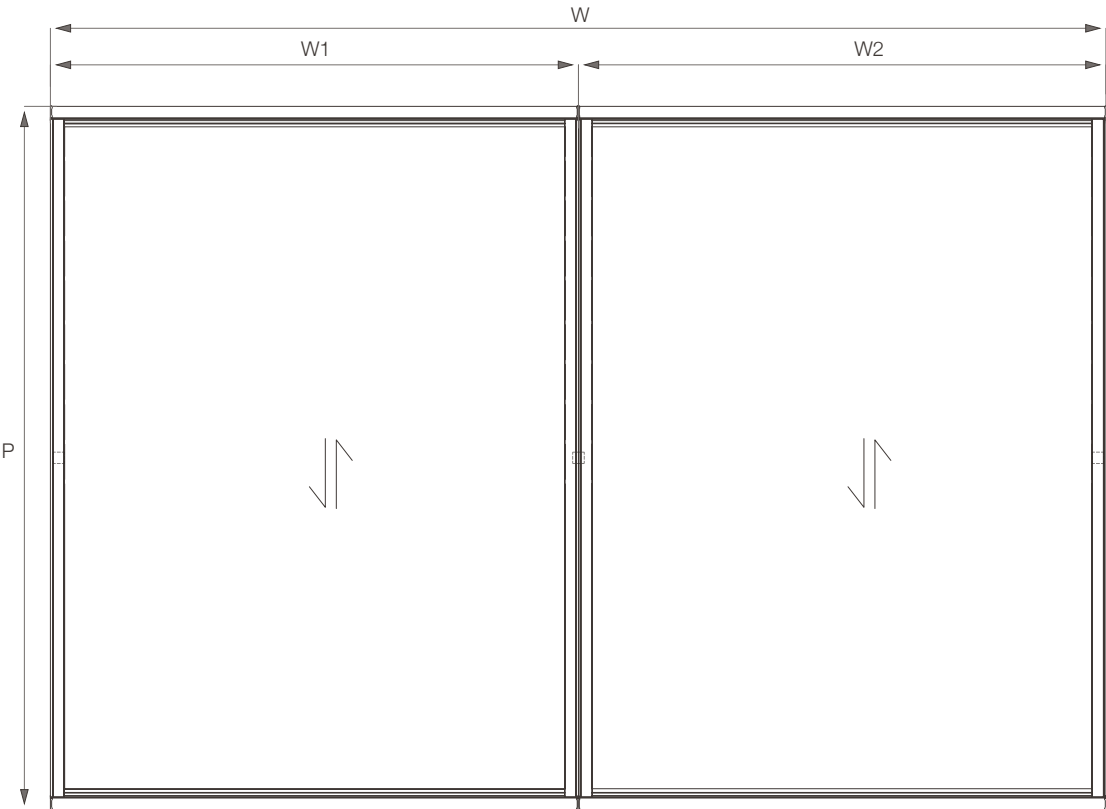
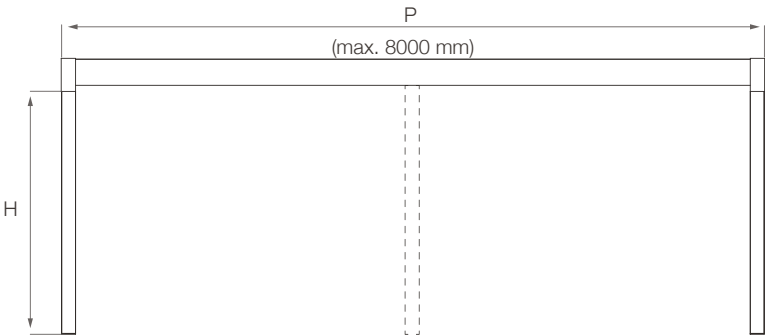
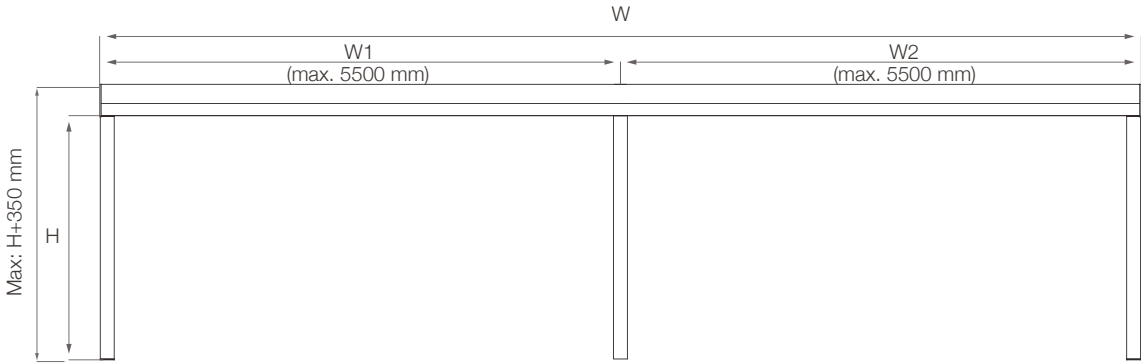


Wallfix Fixed Side Enclosure
The unique designed privacy of Wallfix side enclosure can be combined with Quattro system to optimise outdoor living areas visually.

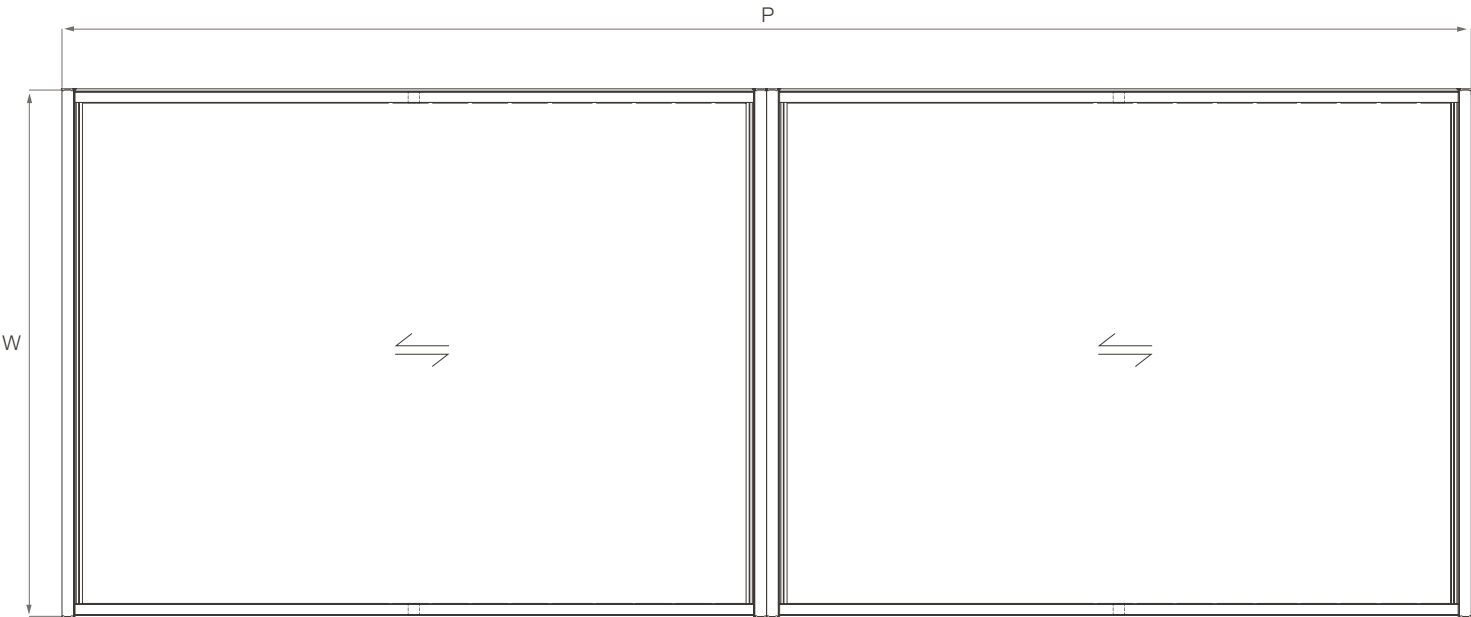
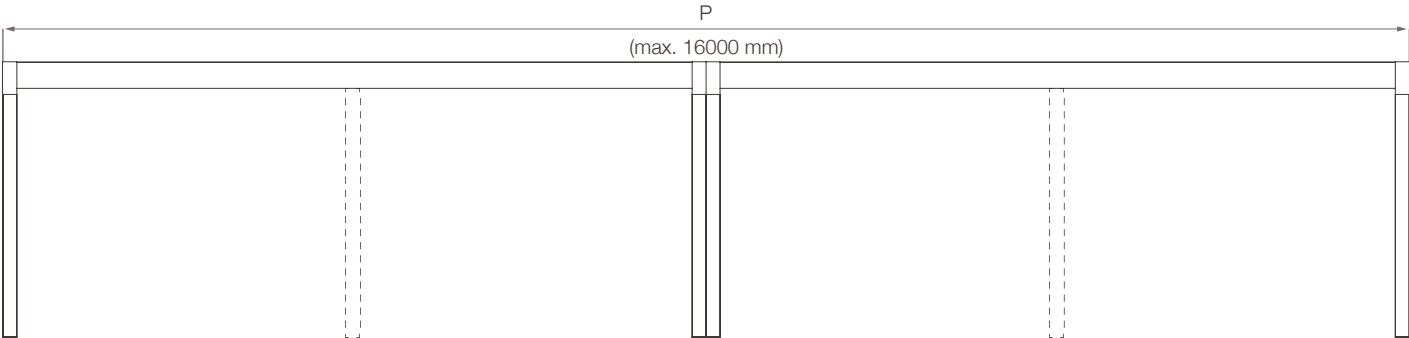
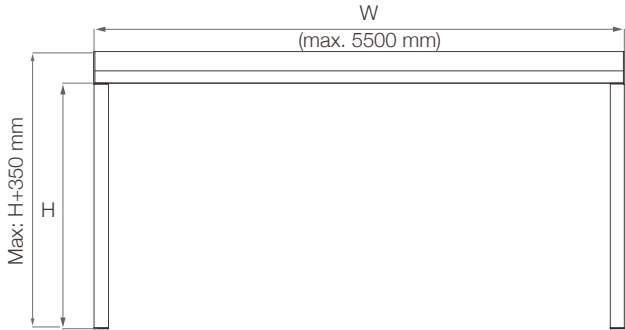
Single Module
W: 1500 mm < 5500 mm
P: 1500 mm < 8000 mm



Multiple Modules Type 1
W: 3000 mm < 11000 mm
P: 1500 mm < 8000 mm



Multiple Modules Type 2
W: 1500 mm < 5500 mm
P: 3000 mm < 16000 mm



Order Form

QUATTRO

Company Name:
Order Reference:

Order Date:

WATER FLOW

- ☐ One Side
☐ Left
☐ Right
- ☐ Alternating

INSTALLATION TYPES

- ☐ Self Standing
☐ Wall Mounting

QUANTITY: pc

☐ If modules are multiple and each module is in different width or projection, please provide details (single module max. dimension is 5500x8000mm)

DIMENSIONS

W - Total Width..... mm
P - Projection mm
H - Post Height..... mm
Total Number of Posts Required pc

☐ Type 1

☐ Type 2

W1 mm
W2 mm
....
....

P1 mm
P2 mm
....
....

POWDER-COAT COLORS

Structure

- | RAL colors | Exclusive colors | Texture colors | |
|-------------------------------|--------------------------------|---------------------------------|------------------------------------|
| <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | <input type="checkbox"/> Other ... |
| <input type="checkbox"/> 1013 | <input type="checkbox"/> OS561 | <input type="checkbox"/> ST9001 | |
| <input type="checkbox"/> 9006 | <input type="checkbox"/> OY395 | <input type="checkbox"/> ST1013 | |
| <input type="checkbox"/> 7006 | <input type="checkbox"/> OGN39 | <input type="checkbox"/> ST7039 | |
| <input type="checkbox"/> 7016 | <input type="checkbox"/> ON617 | <input type="checkbox"/> ST7016 | |
| <input type="checkbox"/> 9005 | <input type="checkbox"/> ON611 | <input type="checkbox"/> ST8019 | |

FABRIC

Premium

- ☐ PW213 / White
☐ PC211 / Cream
☐ PG209 / Grey

Matt

- ☐ MW23 / White
☐ MC26 / Cappuccino

Semi Transparent

- ☐ STRW22 / White
☐ STRB33 / Black

Basic

- ☐ WT785 / White
☐ CR295 / Cream

Matt (Linear Fabric Dimmer Led)

- ☐ LW22 / White
☐ LCR33 / Cream
☐ LC44 / Cappuccino
☐ LG66 / Grey

☐ Other...

Xclusive

- ☐ WTEX / White
☐ CRMX / Cream
☐ GRYX / Grey
☐ BRDX / Bordeaux

LED LIGHTS

- | | | |
|---|--|---|
| <input type="checkbox"/> Led Stripe Dimmer Lighting
<input type="checkbox"/> Cool White
<input type="checkbox"/> Day Light
<input type="checkbox"/> RGB Led - Hidden Stripe Lighting | <input type="checkbox"/> HDD Lux High Power Led
<small>*N/A with linear fabric dimmer led
*N/A with alternating flow</small>
<input type="checkbox"/> Dimmer Kit | <input type="checkbox"/> Linear Fabric Dimmer Led
<small>*Only matt fabric collection is available
*N/A with alternating flow</small>
<input type="checkbox"/> Symmetrical
<input type="checkbox"/> Asymmetrical |
|---|--|---|

SENSORS

- ☐ Rain Sensor
☐ Wind Sensor
☐ Sun Sensor
☐ Wind&Sun Sensor

OPTIONALS

- ☐ Additional Post
☐ Drainage Pipe

COLUMN BASE OPTIONS

- ☐ Hidden (Standard)
☐ Flange
☐ Flange With Cover Cap

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

- ☐ Type I
☐ Type II
☐ Type III
☐ Type IV

PACKAGING

- ☐ Standard
☐ Wooden Crate
Extra cost

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



Max. width for single module	5500 mm
Max. projection single module	8000 mm
Rafter profile dimension	252x81 mm
Post dimension	160x160 mm
Fabric parking area	17%

Automation	included
Control unit	included
Led Stripe Dimmer	optional
RGB Led - Hidden Stripe lighting	optional
HDD Lux High Power Led lighting	optional
Dimmer Kit	optional
Linear Fabric Dimmer Led lighting	optional
Drainage pipe	optional
Flange	optional
Rain Sensor	optional
Wind Sensor	optional
Sun Sensor	optional
Wind&Sun Sensor	optional

Technical Specifications
Quattro

Distinctive Aesthetic Style With
Intelligent Lighting Control

Description

Quattro is an exclusive high-tech version of pergola system composed of a high grade structural aluminium frame and retractable black-out fabric. System introduces unique, innovative lighting solution integrated inside the fabric layer.

Dimensions

One module

Width 1500 mm < 5500 mm

Projection 1500 mm < 8000 mm

Column Height 3000 mm

- Blocked assembly for customized modules with a wide range of flexible combinations.

Technical Characteristics

- Extruded aluminium frame, gutters - clean edges.
- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- High grade stainless steel connection components.
- Concealed screws to offer clean finish.
- Large span with 5500mm dimension.
- Remote control for operation of mechanism and lighting.
- One side or alternating drainage on sides by invisible 40 mm slope.
- Patented lighting technology integrated within the fabric layer (Symmetrical / Asymmetrical design options).
- Fully waterproof coverage.
- Internal rainwater down-pipe for columns.
- Heat resistant, %100 waterproof and flame retardant blackout fabric with alternative color options.
- Extended open sky when roof retracted (open sky up to %83).
- Invisibly integrated electrical cables.
- In addition to standard RAL colors, Exclusive and Texture range aluminium colors can be offered as extended selection.

- Applicability of guillotine, sliding / sliding frame / folding glass and zip systems.
- Compact 26 rpm direct drive motor box system to ensure smooth and quick operation.
- Patented F3 slider with four horizontal & four vertical wheels for smooth operation.
- High strength timing belt for balanced movement inside rafters.
- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standards.

II | Profile Section Dimensions

Rafter	: 252 mm x 81 mm x 2 mm
Gutter	: 160 mm x 140 mm x 2,5 mm
Column	: 160 mm x 160 mm x 3 mm

III | Installation Methods

- Individual modules can be customised according to specified finish up to 5500mm width and 8000mm projection with flexible installation methods such as integration into existing frameworks, wall mounting and free standing for larger outdoor areas.
- System can be assembled as single or multiple modules.

IV | Columns

- Dimensions: 160 x 160 mm x 3 mm.
- Simple column assembly.
- The column cap profile can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker or automation to provide pure appearance.
- 3 different column base options: Hidden, Flange, Flange With Cover Cap.

V | Weather Resistance

Wind Resistance

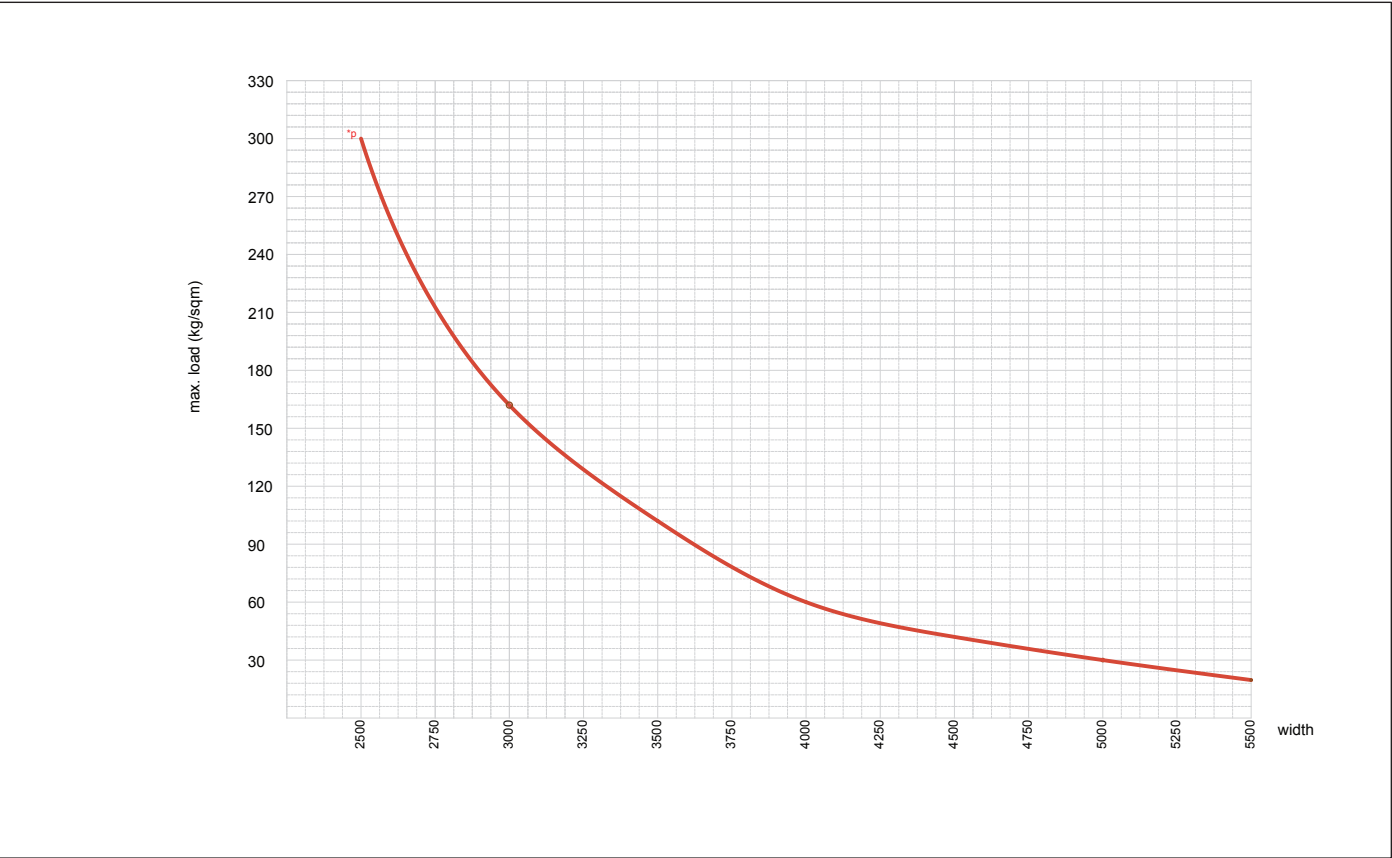
- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

- The four sided gutter for completely ensured waterproofness.
- Water drainage with an intensity of 155 L/h/sqm that last up to 2 minutes maximum.
- Optional PVC pipe (Ø70) integration inside columns.
- Customised drain points flexibility.

Snow load

See dimension based snow chart below;



VI | Tests

Our systems are subjected to a variety of tests in order to check their resistance under every type of circumstances. Tests done following the requirements of International Standards involving parameters such as wind resistance and rainfall or snowfall demonstrate the excellent performance of our pergolas against the most adverse conditions.

Wind
load

Standard UNE-EN 13659:2004+A class 6 (approx. 102 km/h) tested up to 102 km/h without breaking within test bench parameters.

Snow
load

≤300 kg/m2 (including its own weight) Standard EN-1999 EUROCODE 9 aluminium structures project.
*Values will be decreased based width dimensions.

Rain
load

Standard UNE-EN 12056-3, (0,04 l/s max.) constant heavy rain aprox. 155 l.m2/h (structures + slats).

VII | Additional Equipments

- Heater, speaker, air conditioner or other automations can be integrated.
- Wind, sun, rain, sun and wind&sun sensors can be adapted.

VIII | Lighting

Integrated RGB-Led Hidden Stripe and Led Stripe Dimmer Lighting on sides within the structure. Linear Fabric Dimmer Led Lighting into the fabric layer and HDD Lux High Power Led Lighting on the lighting profile.

- Led Stripe Dimmer Lighting

Cool White, 60 LEDs/m I +5100-6500K I 1130 lumens/m

Day Light, 120 LEDs/m I +2800-3500K I 1094 lumens/m

- RGB Led-Hidden Stripe Lighting

60 LEDs/m

- Linear Fabric Dimmer Led Lighting

Cool White, 120 LEDs/m I *6000-6500K I *3120 lumens/m

*Values will be highly decreased by fabric colour.

- HDD Lux High Power Led Lighting

Cool White, +/-5550 K I 200 lumens/pc

Day Light, +/-2920 K I 160 lumens/pc

*Dimmer option is available.

IX | Sensors

Rain, wind, sun and wind & sun sensor can be adapted for an optimum level of comfort. These smart sensors are designed to respond fully automatic based on weather conditions in a specific situation. It functions as a protection against unexpectable weather conditions. Sensors will activate an automated system that close/retract the roof and protect the furniture &underneath of covered area even if you are not able to control the system.

Wind sensor

Wind sensor monitors the gust of wind then retract your outdoor product to protect it against unexpected strong winds and offers constant protection.

The wind speed value required to do this is set directly at the sensor. If the wind picks up significantly wind sensor will retract the roof depending on a pre-set wind speed. Thanks to ease of installation and minimal cabling it can be setup simply.

Sun sensor

Sun sensor provides automatic control of your outdoor coverings based on sunlight levels. It is used to respond to the intensity of the

sun by controlling your pergola system accordingly.

It will adjust your roof position based on the sunlight intensity allowing you to control the sun light entering your house.

The sensor will close the roof when sunlight exceeds the set threshold automatically to create a comfortable outdoor living area by increasing energy efficiency and protecting furnishings from UV damage.

The sun sensor will activate and close the roof according to amount of light decreases.

Rain sensor

Rain sensor will automatically detect the rain and close your roof to prevent raindrops falling through open roof systems even if you are not able to control the system.

If rain is detected the pergola will be closed and the remote control will be needed to open it back.

Wind & Sun Sensor

Wind & Sun Sensor can be used together. Once the sun is above the sensitivity level the roof will close automatically to offer maximum convenience. If the wind picks up significantly wind sensor will retract the roof depending on a pre-set wind speed.

X | Closures

Systems can be completely enclosed with Sapphire automatic vertical glass system, Swind windbreaker system, Violet, Framee, Slidia or motorised Vertex zip for further protection from the elements.

Sapphire

Sapphire is an automatic vertical guillotine glass system enriched with patented worm shaft technology.

- Systems can incorporate framed tempered 8 mm and 10 mm single or 4mm+12mm+4mm / 5mm+10mm+5mm double insulated glazing.
- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
- Electrostatic powder-coated frame.
- Operation is motorised.
- Upwards or downwards parking position options.
- Fixed panels can be used as balustrades.
- The position of movable panels can be adjusted according to desired height.
- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
- Fully hidden motor drive.
- Switch, remote or smart home control availability.
- Fine frames with thermal and sound insulated rubber seals.
- Wide open view with up to 4 meters width vertical glass panels.

Cycle

- Cycle is an automatic vertical guillotine glass system with strengthened chain mechanism.
- Systems can incorporate framed tempered 5mm+11mm+5mm double insulated glazing.
 - Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height.
 - Electrostatic powder-coated frame.
 - Motorised operation with switch, remote or smart home control availability.
 - Upwards or downwards parking position options.
 - Balustrade usage ability with the handrail design that covers the glass panels.
 - The position of movable panels can be adjusted according to desired height.
 - Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.
 - Fully hidden motor drive.
 - Protected usage with safety sensor.
 - Fine frames with thermal and sound insulated rubber seals.
 - Easy assembly & disassembly with compact guide profile consisting of four parts.
 - Wide open view with up to 4 meters width vertical glass panels.

Swind

- Swind is an automatic vertical up-down glass panel.
- Electrostatic powder-coated frame.
 - Extruded aluminium fix panel frame.
 - Concealed screws to offer clean finish.
 - Horizontal counterweight for smooth motion.
 - High strength belt mechanism for balanced movement.
 - 10mm fixed and 8mm up-down automatic moveable tempered glass panels.
 - Frameless moveable glass panel for unobstructed view.
 - Led stripe dimmer lighting integrated side frame / invisible electrical cables.
 - Remote control for operation of mechanism and lighting.
 - Fast opening-closing cycle.
 - Fully hidden compact direct drive motor system.
 - Ease of installation with single or multiple modules.
 - Portability with optional wheel integration.
 - Availability of usage as balustrade in closed position.
 - Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Violet

- Violet glass balustrade system.
- Concealed screws to offer clean finish.
 - Glass fixed pane is 8+1.52 pvb+8mm.
 - Led stripe dimmer lighting integrated integrated underneath the glass / invisible electrical cables.
 - Remote control for operation of lighting.
 - Ease of installation with single or multiple modules.
 - Availability of usage as Hand Rail (Optional).
 - Compact & Easy Assembly.
 - Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.

Framee

- Framee, sliding glass system with fine-framed double glazed panels.
- Double insulated glass (6+12+6mm).
 - Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
 - Electrostatic powder-coated frame.
 - Handle with Click Lock on first panel and Handle with Hidden Lock on the last panel on internal side of sliding panels for security measures.
 - Combination availability with Vertex Zip System for sun protection.
 - Available with 2,3 or 4 rails up to maximum 8 panels combined with side or central openings.
 - Natural, stainless steel and black anodyse color options.

Slidia

- Slidia is a sliding glass system with individual parallel glass panels.
- Electrostatic powder-coated frame.
 - Features slim aluminum glass profiles.
 - Individual panels can be moved horizontally with single or double slide options.
 - Bottom wheel carriages with double rollers ensure optimum and smooth running even with wide glass panels.
 - Successive panels can be moved by the grap mechanism.
 - Height adjustable wheel carriages up to 5mm.
 - Sloped rail design for efficient drainage.
 - Anodised bottom rail for easy and smooth movement.
 - Rain and wind resistance by double sided transparent gaskets (standard), transparent gaskets with brush or aluminum slats with brush.
 - Brush and rubber cord for high frame insulation.
 - Anti-slip rubber ensures safety passage and also offers ease of rail surface cleaning.

- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 3 or 5 rails up to maximum 10 panels, combined with side or central openings.

Vertex Zip System

Vertex is a motorised external blind system.

- It provides comfortable shade and protects against the UV rays.
- The system includes motorised aluminium structure.
- Each screen has a pair of identical side channels.
- Entirely powder-coated with stainless steel components.
- Maximum protection against solar radiation and penetration of heat while preserving the optimal level of natural light in the interior and contact with environment.
- The production technology of fabrics ensures a high resistance to external influences such as wind or changes in temperature and

Wallfix

Wallfix is an aluminum louvered fixed wall system.

- Electrostatic powder-coated frame.
- High-quality aluminum extrusion profiles (Aluminium Alloy 6063-T6).
- Compact & Easy Assembly with click louvre connection.
- Clean finishes with hidden joining details.
- Extruded aluminium fine line fixing frame.
- Concealed screws to offer clean finish.
- Large span with 6000mm dimension.
- Sound and heat insulation with double layered louvre (panel) design.
- Maximum safety with block assembly.

Doors

Glass door

- Frameless hinged and frameless hydraulic glass doors are available.
- Single tempered glass (10mm).
- Available with single panel and double panels (each panel in maximum 1000mm).
- Flush Circle and Push & Pull Bar handle types and Allen&Key lock.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Allen&Key lock for security.

Framed glass door

- Hinged and hydraulic framed glass doors are available.
- Electrostatic powder-coated frame.
- Available with double insulated single panel and double panels (each panel in maximum 1000mm).
- Double insulated glass (4+11+4mm).
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- Handle position height can be adjusted as desired (Standard height value is 110cm).
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Push & Pull Bar handle types.
- Pull Handle/ Lock.

Photocell Door

- Aluminum framed automatic glass door.
- Electronic lock.
- Possibility of manuel usage in emergency situations.
- Electrostatic powder-coated frame.
- Available in Laminated glass (4+4mm).
- Single panel and double panel options (each panel in maximum 1000mm).
- Fast opening-closing cycle and insulation materials for preserving heat balance between indoor and outdoor.
- Transparent panels in standards besides Smoked, Green, Blue and Bronze color options.
- One side button or double side button and double sided transition control types.

XI | Structure Color Options / Finishes

- The products are available with a wide range of colour options in standard or architectural textured coatings.
- In addition to standard RAL colors, Exclusive and Texture range aluminium colors can be offered.
- QualiMarine and Qualanod finishes are also available beside of Qualicoat finishes.

XII | Warranty

	Quattro	Sapphire	Cycle	Swind	Violet	Framee	Slidia	Vertex	Wallfix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A
Fabrics	5 years	N/A	N/A	N/A	N/A	N/A	N/A	5 years	N/A

* Warranty of Semi-Transparent fabric is 2 years.
* End user and installation defects are not covered.

Operations

One Side



Alternating



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



HDD Lux High Power Led Lighting



Linear Fabric Dimmer Led Lighting



Sensors

Rain Sensor



Sun Sensor



Wind Sensor



Wind&Sun Sensor



Installation Types

Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Closures

Sapphire & Cycle



Swind



Violet



Framee



Slidia



Vertex

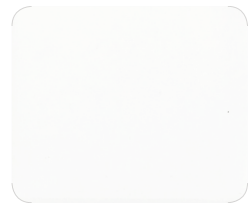


Wallfix



ALUMINIUM

basic



RAL 9016



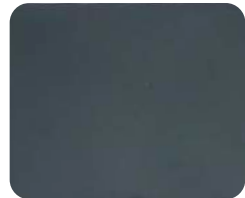
RAL 1013



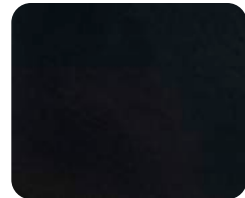
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RAL 7006

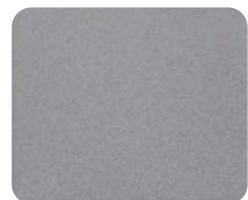


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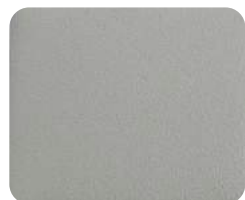


RAL 9005

exclusive



OGN35



OS561



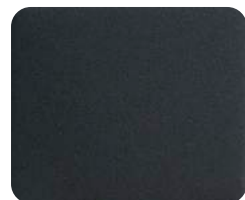
OY395



OGN39



ON617



ON611

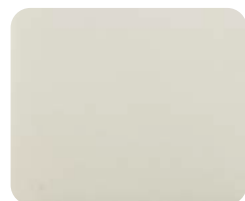
texture



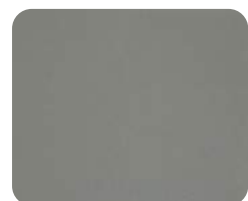
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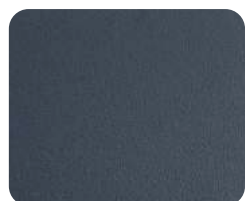
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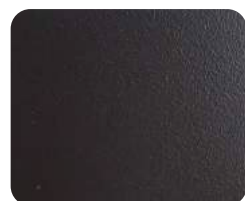
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ST7039



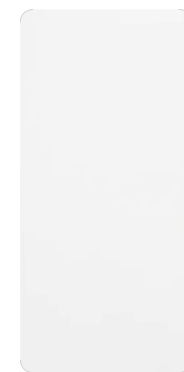
ST7016



ST8019

blackout fabric

premium



PW213/White



PC211/Cream



PG209/Grey

basic

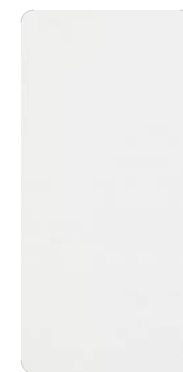


WT785/White



CR295/Cream

matt



MW23/White



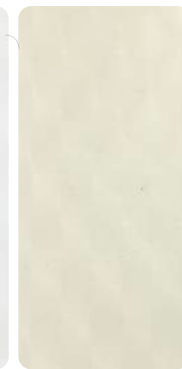
MC26/Cappuccino

FABRIC

exclusive



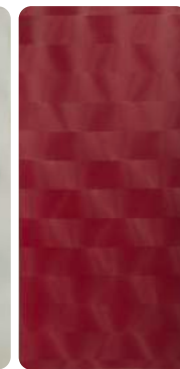
WTEX/White



CRMX/Cream

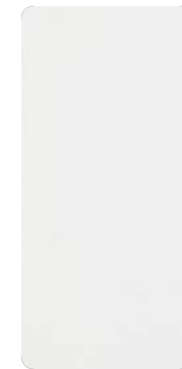


GRYX/Grey

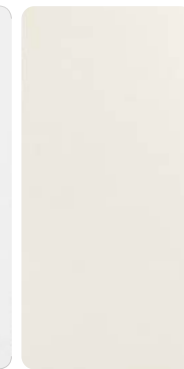


BRDX/Bordeaux

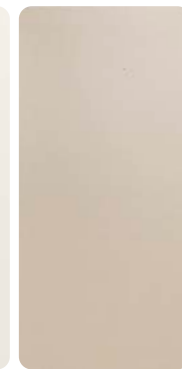
matt/linear fabric led



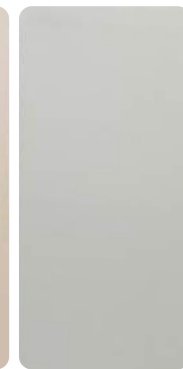
LW22/White



LCR33/Cream



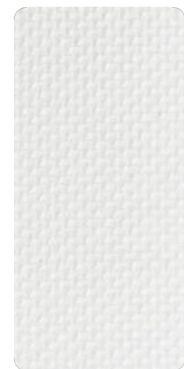
LC44/Cappuccino



LG66/Grey

fabric

semi-transparent



STRW22/White



STRB33/Black

The color and gloss level shown in this color swatch should be used only as a guide.
All ral colors are available.

Premium fabric serie is produced from black-out PVC and has 5 years warranty. Cover is water & light proof and flame retardant. The color tone and pattern level shown in this color swatch should be used only as a guide.

PRICES

All prices in Euro exclude VAT and transport cost, but include all material cost with packaging in bubble wrap.

PRICE LIST

The price lists are effective as of 01.09.2021 and Albayrak has rights to modify the price lists in at any time with a 30 day notice.

TRANSPORT

Goods will be supplied EXW and therefore all costs for transport from the Manufacturer's seat to the Purchaser's destination shall be at full charge of the Purchaser, who will also provide an insurance policy covering all risks for damage or loss of goods during transport.

ALBAYRAK

Delivery terms of contractual products are as follows: Approximately four-six weeks (changeable according to order content or quantity) which will be communicated to the Purchaser at the time of the order weeks from the receiving deposit payment.

INVOICING PROCEDURE

The Invoicing Procedure (in Euro currency) will be according to the Manufacturer's standards.

WARRANTY OF QUALITY

Albayrak warrants that all items shall be free of all defects relating to 5 years structure&coating, 2 years mechanics, 2 years automation and 2 years lighting after delivery. The warranty does not cover the misuse of the goods. The time of the warranty of the product will last for five year and shall commence from the last date of delivery of the Goods. Albayrak must rectify any defects in the Goods which are apparent within a reasonable time. If the Albayrak fails to rectify any defect within a reasonable time for rectification, the Purchaser may engage third parties to perform the rectification. In such case the cost of rectification will be paid by the Albayrak.

WARRANTY BY ALBAYRAK

Albayrak warrants that:

- Albayrak has the right to sell the Goods, which are free from any charge or encumbrance;
- The Goods will be fit for the purpose for which goods of that kind are commonly used and any other purposes made known expressly or by implication to the Albayrak by the Purchaser;
- The Goods will be of merchantable quality and free from defects in material

PACKAGING AND MARKINGS

All proper care and protection must be given and provided by the Albayrak in ensuring against possible damage or breakage in transit. Albayrak is to package all items suitable for transport. The package will be made according to the Albayrak's standard. Albayrak must supply the Goods in a competent and professional manner and comply with all directions from the Purchaser.

DELIVERY TERMS

Albayrak undertakes to deliver the Goods at his own seat in Istanbul – Turkey according to the agreed delivery time. All deliveries shall be accompanied by a fully detailed delivery documents as per the Albayrak's standards. Immediately after receipt of goods, anyhow not later than 10 days from receipt the Purchaser is obliged to inspect goods fully and in detail and notify to Albayrak any defects immediately. Failure in doing so will prevent the Purchaser to issue any claim against Albayrak for defects. Title to and risk in the Goods pass to the Purchaser upon final and full payment of goods delivered. Goods must be delivered during normal hours unless alternative arrangements have been made with the Purchaser.

MISCELLANEOUS

The law applicable to the merits of the dispute shall be United Nations Convention on Contracts for the International Sale of Goods dated 11 April 1980. In case United Nations Convention on Contracts for the International Sale of Goods dated 11 April 1980 does not include any rules governing the dispute arising between the parties, Turkish law will be applied.



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