

SUNTECH
PRIVÉE / CLOSURES

TECHNICAL LT
2020

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 & closures by creating distinction in outdoor living areas to be used in any weather conditions.



Privée Serie & Closures

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Privée Serie

AEROLUX



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

AXIS



A stylish modern system with tilting louvres.

QUATTRO



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

Closures

SAPPHIRE



A new generation of innovative outdoor protection that expands outdoor living areas with its wide panoramic motorised glass panels with perfectly balanced motorised operation

SLIDING GLASS



System enables the individual parallel sliding panels to be moved horizontally.

SLIDING FRAME GLASS



Made of fine-framed aluminum profiles with modern design.

VERTEX ZIP SYSTEM



Motorised external blind which is extremely durable, practical in use and provides great flexibility for outdoor and indoor living areas

SWIND



Windbreaker - Automatic vertical up-down glass panel.

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 strength. 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 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 (2800K) or cool white (5100K) options.

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

Retractable & Tilting Version

Fully Closed



Retracted



Retracted & Tilted



Tilting Version

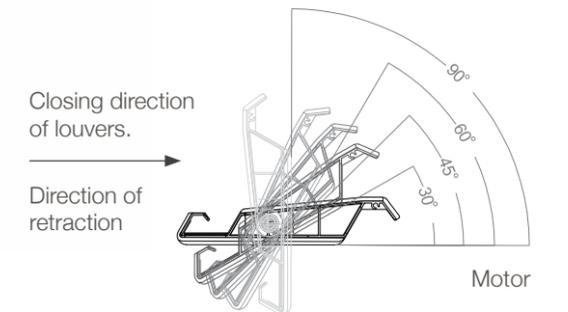
Fully Closed



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



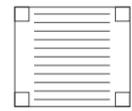
Self Standing
Multiple Modules



Wall Mounting
Multiple Modules



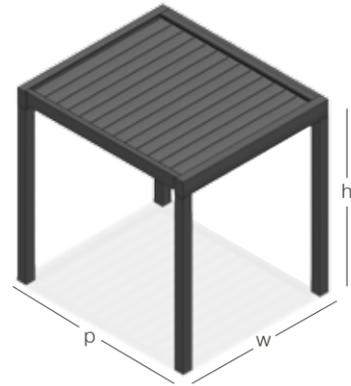
Blocked assembly for customized modules with a wide range of flexible combinations.



(w) Width
1800 mm < 4000 mm

(p) Projection
1569 mm < 6054 mm

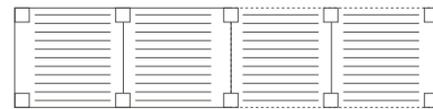
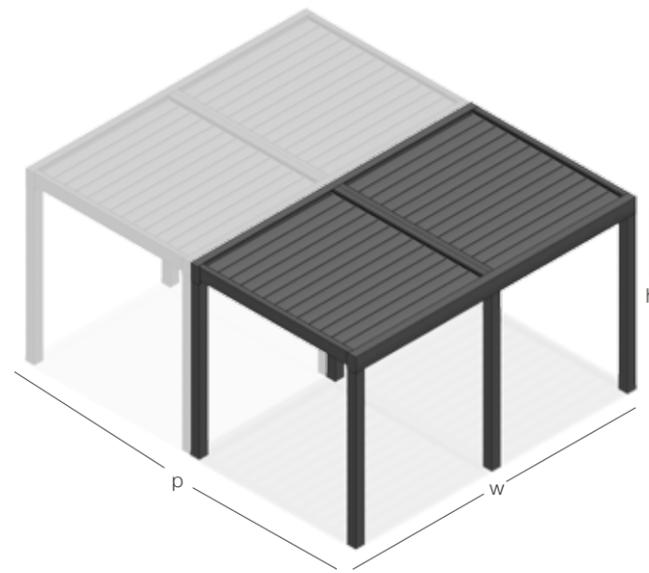
(h) Height
3000 mm



(w) Width
3600 mm < 8000 mm

(p) Projection
3138 mm < 12108 mm

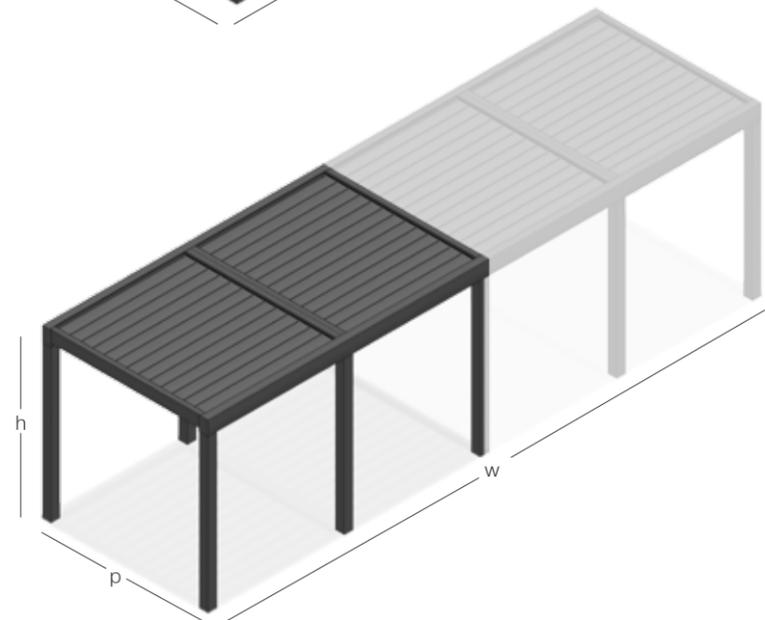
(h) Height
3000 mm



(w) Width
7200 mm < 16000 mm

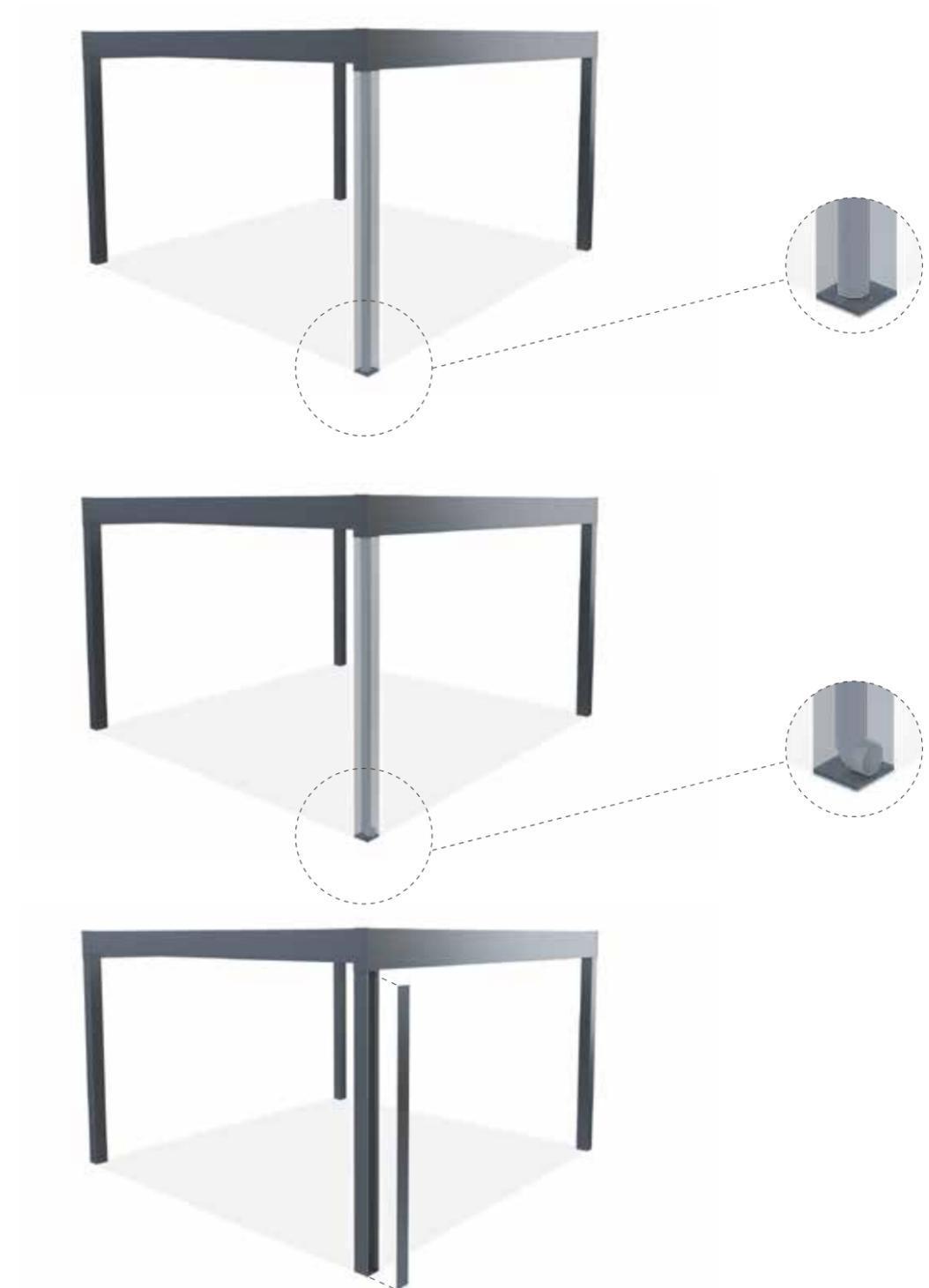
(p) Projection
1569 mm < 6054 mm

(h) Height
3000 mm

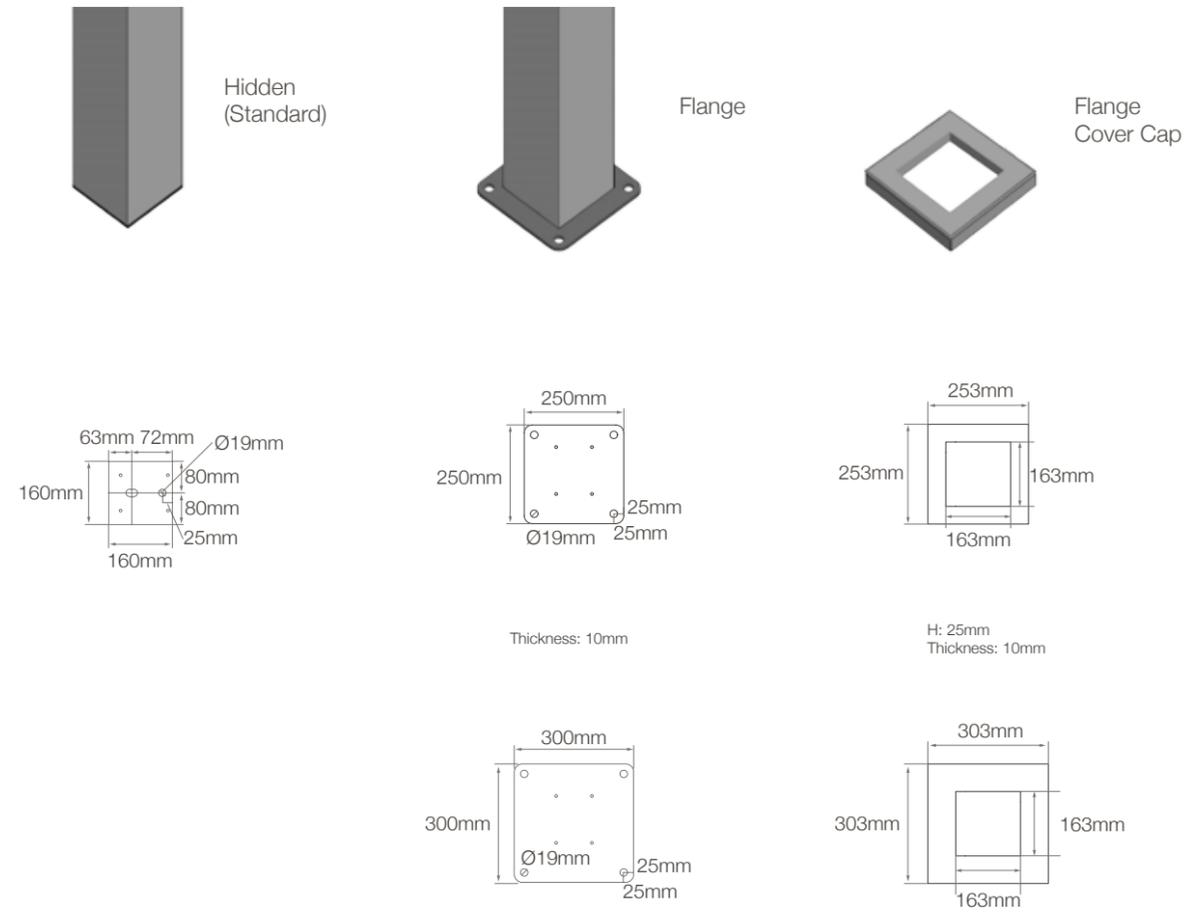


Intra-Column Drainage Pipe

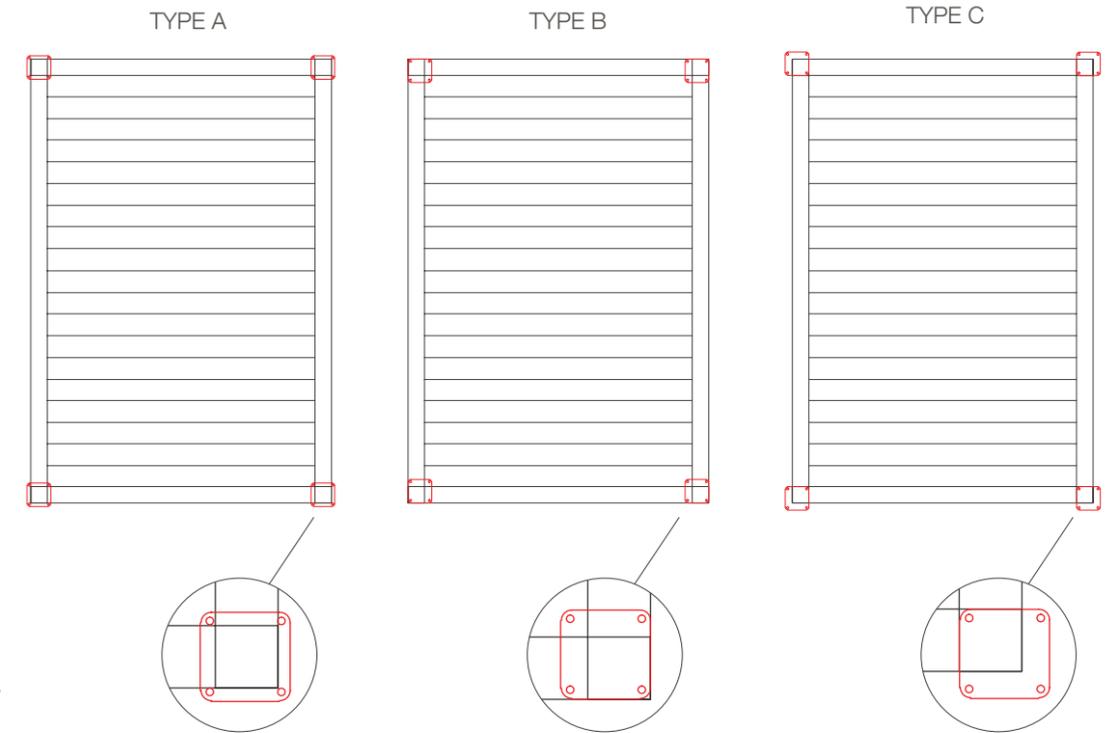
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



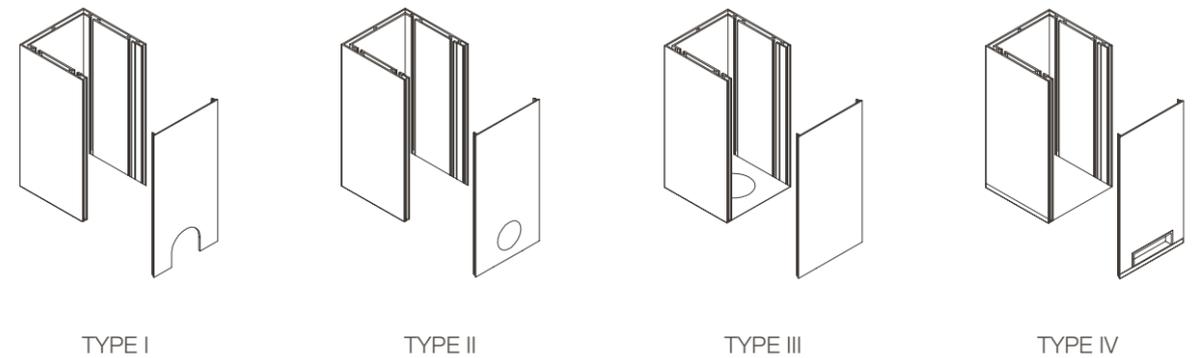
Column Base Options



Flange Positions

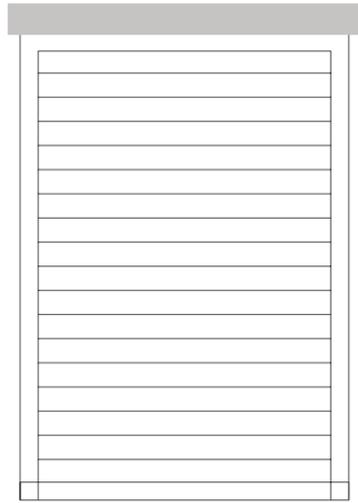


Drainage Types

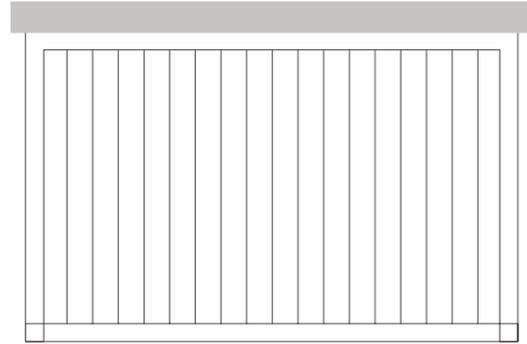


Wall Installation Louvre Positions

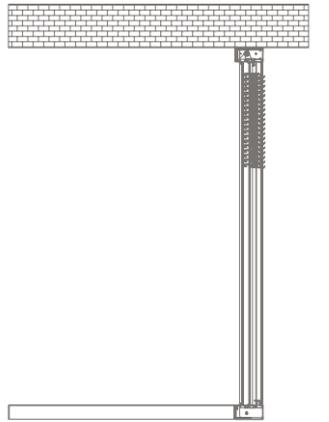
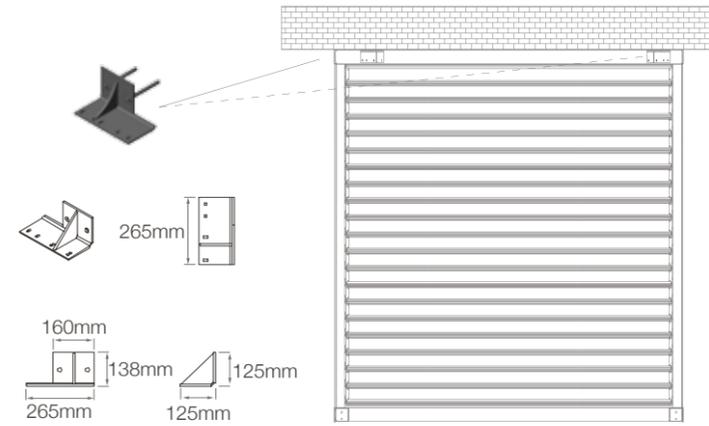
Parallel To Wall



Vertical To Wall

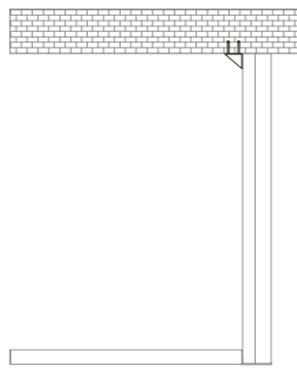
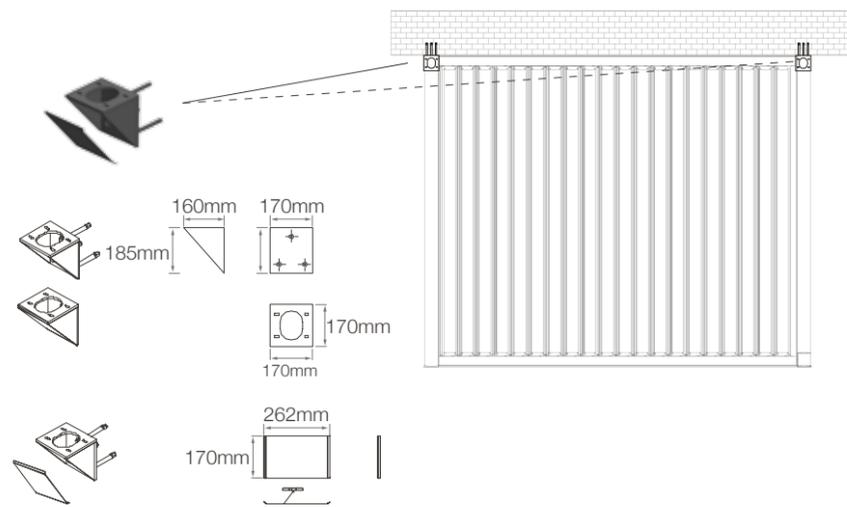


Inner (Hidden) Wall Bracket (Inox)

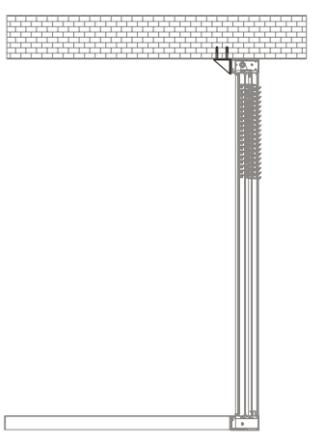
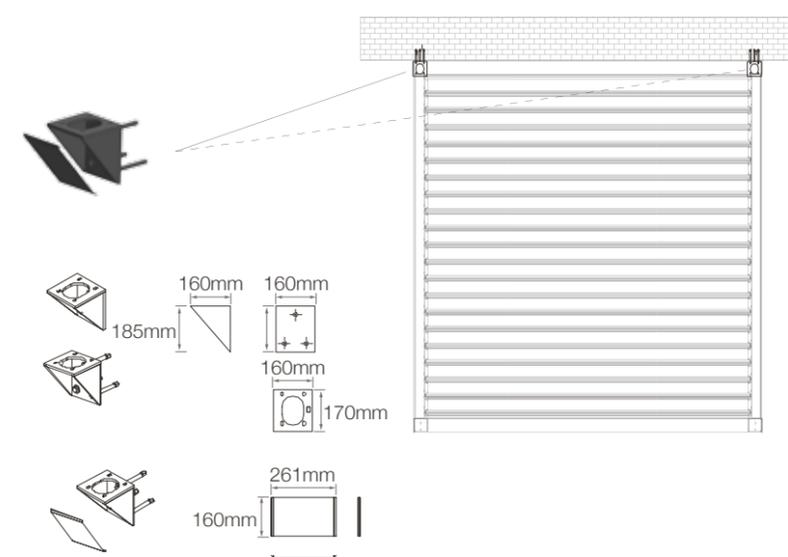


Hang Bracket Types

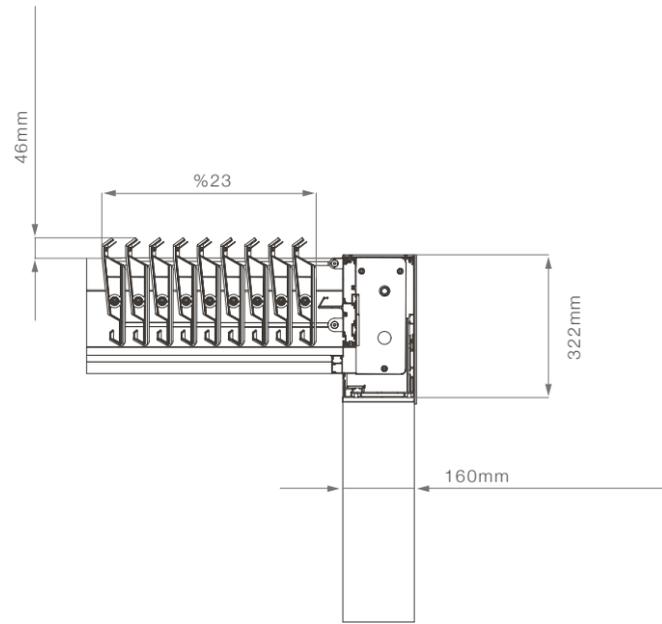
Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap



Parallel Mounting Outer Wall Bracket (Inox) With Optional Cap



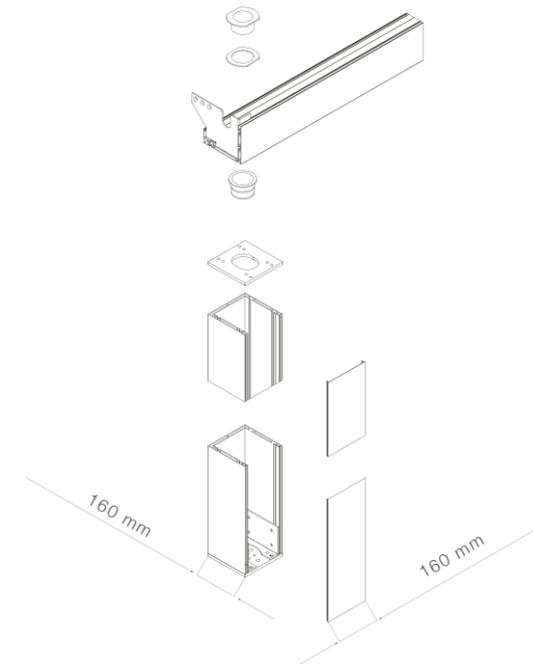
Side Elevation



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.



Louvre Stormguard Seal

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

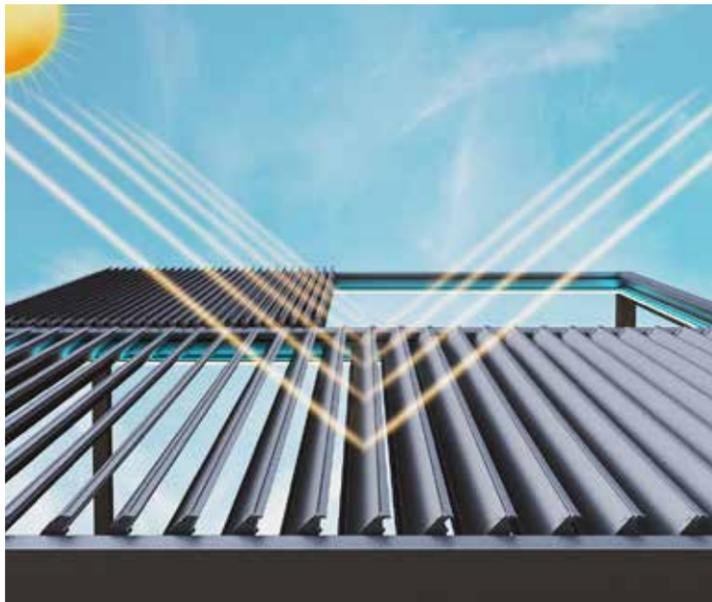




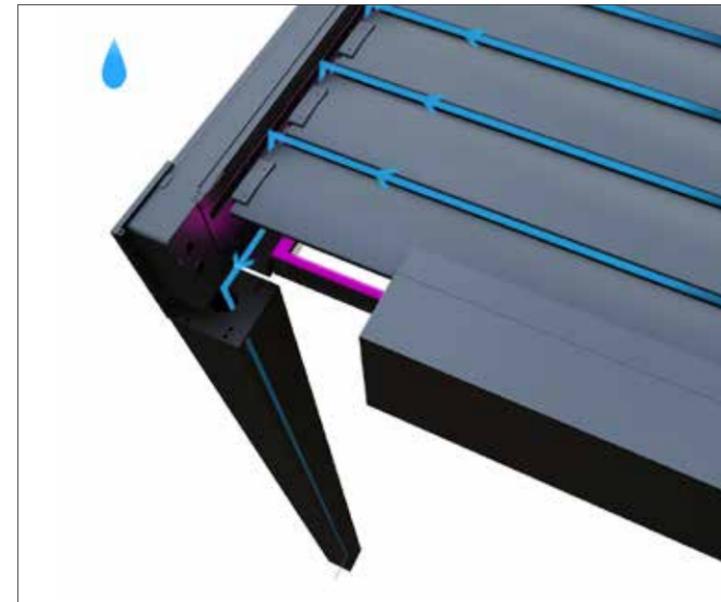
Slightly opening of louvres creates natural air flow for application areas.



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



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.



Swind
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.



Vertex Zip 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.



Sapphire Glass System
Sapphire 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.

Projection Dimensions

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

| | | WIDTH | |
|----------------|----|-------|------|
| | | 1800 | 4000 |
| NR. OF LOUVRES | 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 | |

Technical Details



| | |
|----------------------------------|------------|
| Max. width for single module | 4000 mm |
| Max. projection single module | 6054 mm |
| Rafter profile dimension | 110x260 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 |
| 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 | 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.

III | 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

IV | Weather Resistance

Wind Resistance

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

Water Drainage

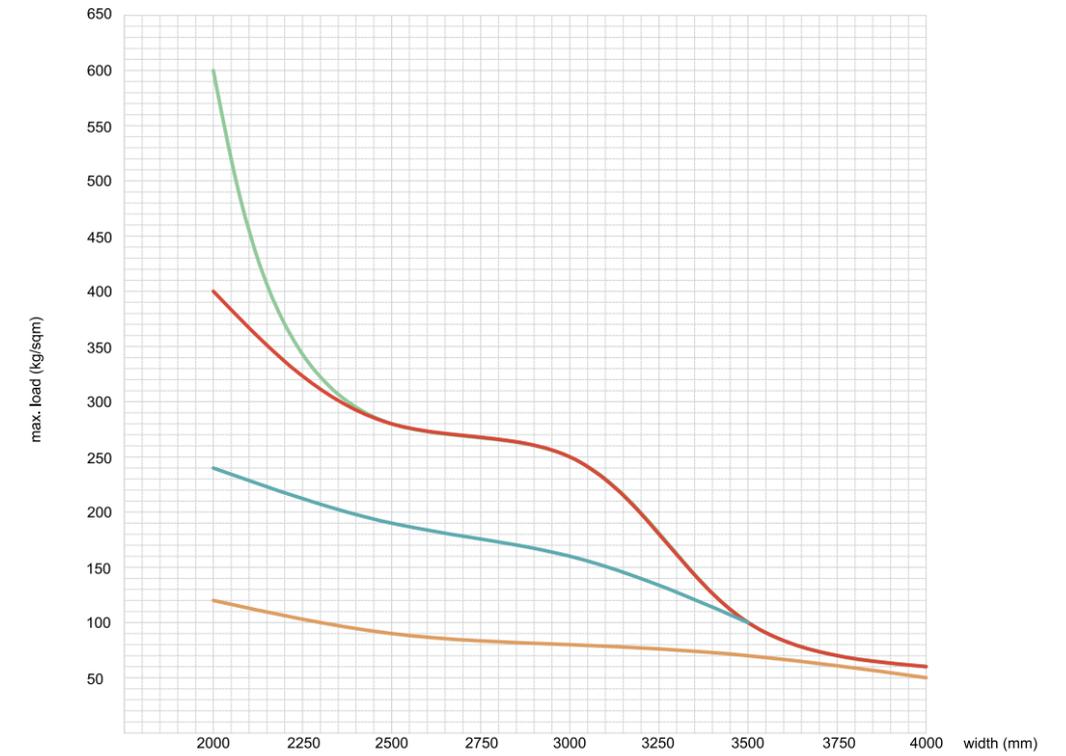
- The four sided gutter for completely ensured waterproofness.
- Water drainage with an intensity of 155 L/h/sqm that last up to 2 minutes maximum.
- Optional PVC pipe (Ø70) integration inside columns.
- Customised drain points flexibility.

Snow load

See dimension based snow chart below;

FREE STANDING

- *p=2000&3000 mm
- *p=4000 mm
- *p=5000 mm
- *p=6000 mm
- *p=projection



V | 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).

VI | Additional Equipments

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

VII | 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

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 and lux 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 sliding, sliding frame, Sapphire automatic vertical glass system, motorised Vertex zip or Swind windbreaker system 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.

Sliding Glass System

- 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.

Sliding Frame Glass System

Sliding Frame glass system is made of fine-framed aluminum which cover each individual glass panel enables the individual parallel panels to be moved horizontally with single or double slide options.

- Double insulated glass (4+11+4mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Electrostatic powder-coated frame.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Handle with Key Lock or Button lock and Pull Handle with Key Lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 2 or 3 rails up to maximum 6 panels combined with side or central openings.

Swind

Swind – Automatic vertical up-down glass panel.

System is preferred at restaurants, cafes and terraces either private or commercial as an automatic vertical up-down glass separator for outdoor spaces, besides fixed panel can also incorporate the function of balustrade.

- 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.

Vertex Zip System

- Zip system is designed especially for outdoors use thanks to its system of zipper rails which can tolerate strong gusts of wind besides offering protection and a higher degree of privacy.
- 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.

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 manual 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

| | Aerolux | Sapphire | Sliding Glass | Sliding Frame | Vertex | Swind |
|--------------------------|---------|----------|---------------|---------------|---------|---------|
| Structure & Coating | 5 years | 5 years | 5 years | 5 years | 5 years | 5 years |
| Motor & Control Units | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |
| Lighting & Control Units | 2 years | N/A | N/A | N/A | N/A | 2 years |

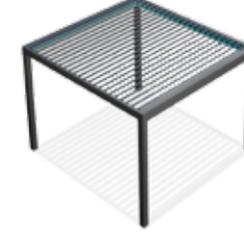
*Enduser and installation defects are not covered.

Overview

Operations

Retractable & Tilting

Tilting



Lighting Options

Led Stripe Dimmer Lighting

RGB Led-Hidden Stripe Lighting



Cool White 5100 K



Day Light 2800 K



Optional

Insulation Foam



Sensors

Rain Sensor



Wind Sensor



Installation Types

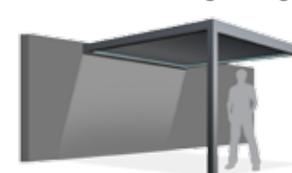
Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Closures

Sapphire Glass System



Sliding Glass System



Swind Windbreaker System



Swind Windbreaker System

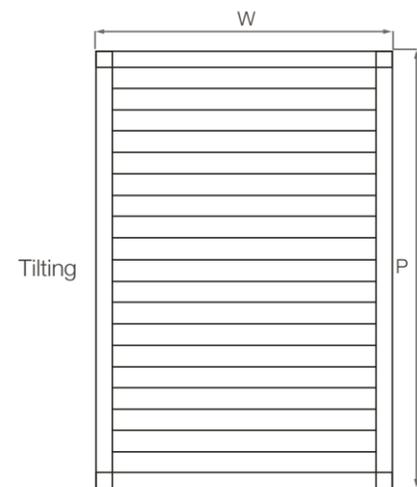
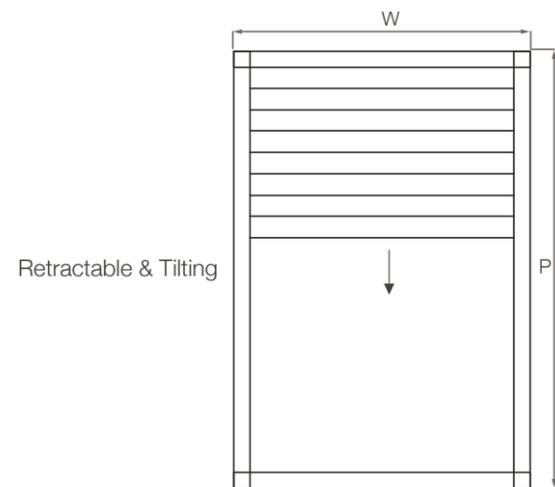
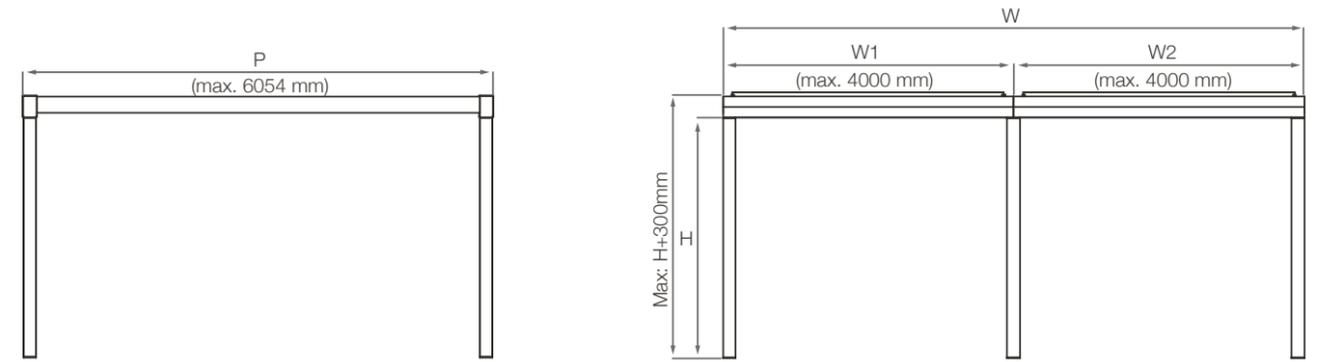
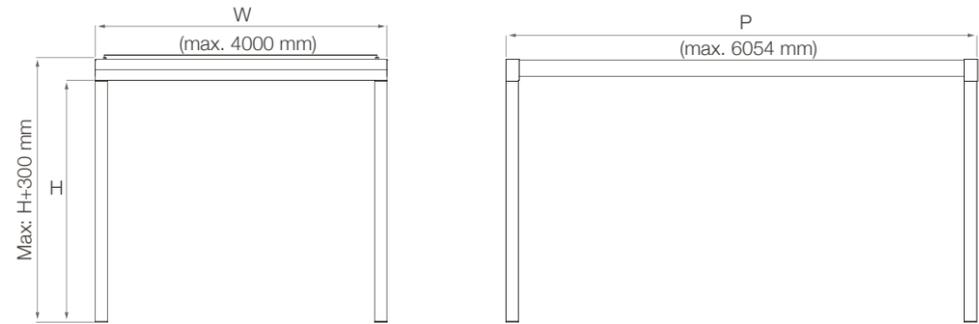


Vertex Zip System

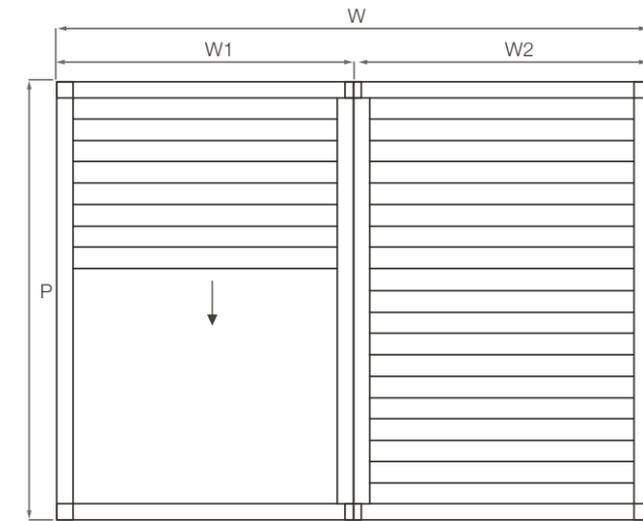


Single Module
 W: 1800 mm < 4000 mm
 P: 1569 mm < 6054 mm

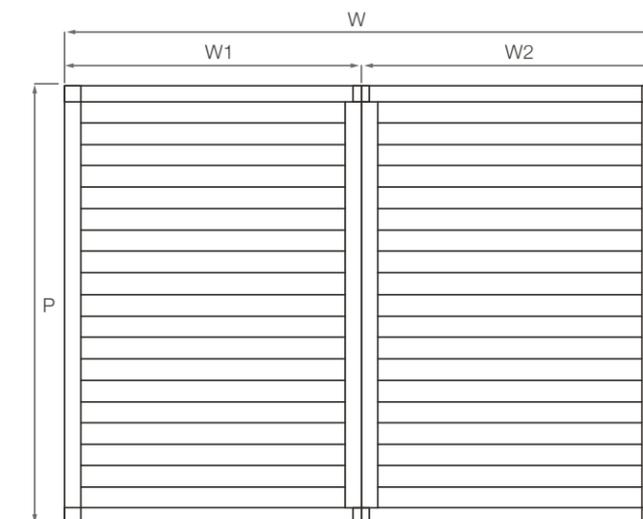
Multiple Modules Joining Type 1
 W: 3600 mm < 8000 mm
 P: 1569 mm < 6054 mm



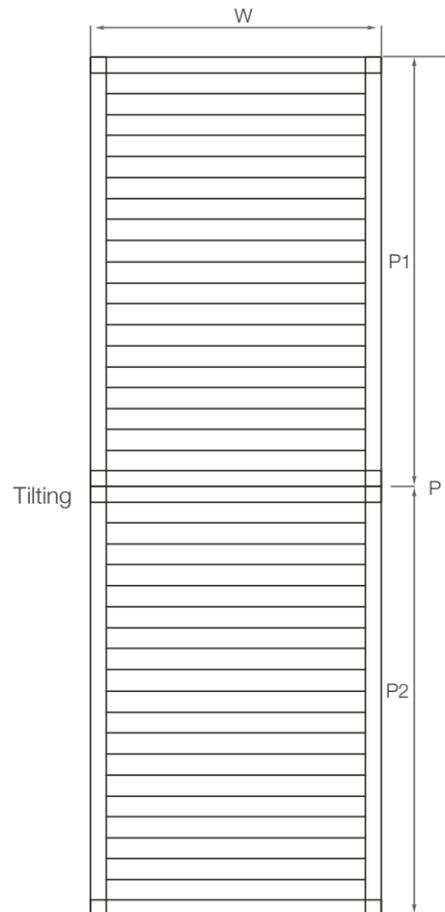
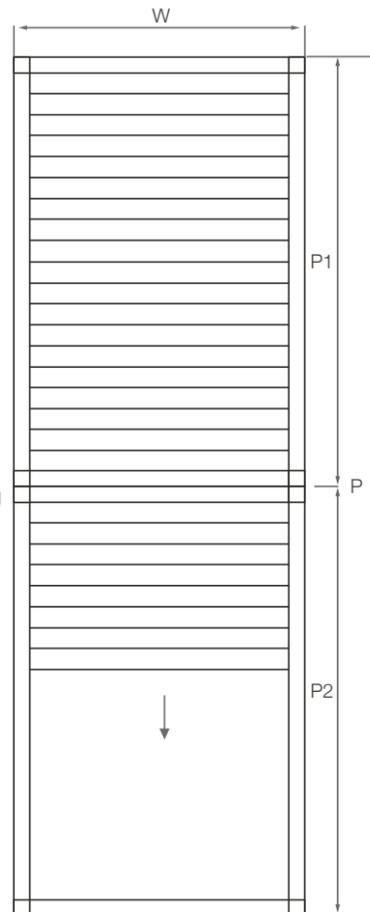
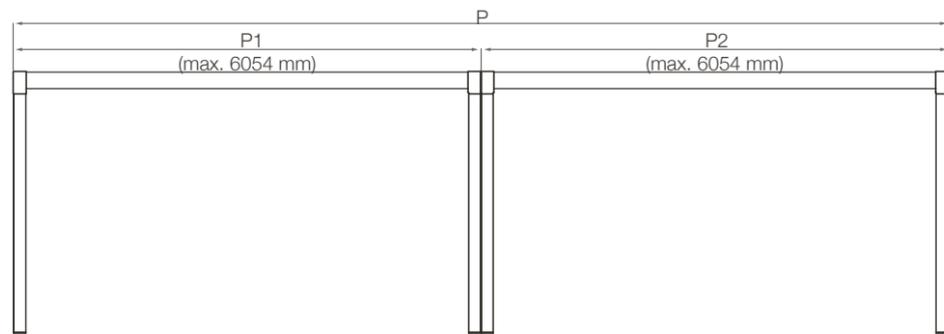
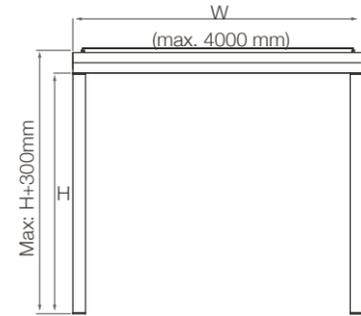
Retractable & Tilting



Tilting



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



Order Form

Company Name:
 Order Reference:

Order Date:
 Quantity:

OPERATION

- Retractable & Tilting
- Tilting

INSTALLATION TYPES

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

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 (single module max. dimension is 4000x6054mm)

- Type 1 Type 2
- W1mm P1mm
- W2mm P2mm
-
-

POWDER-COAT COLORS

Structure

- | RAL colors | Exclusive colors | Texture colors | <input type="checkbox"/> Other ... |
|-------------------------------|--------------------------------|---------------------------------|------------------------------------|
| <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"/> Other ... |
|-------------------------------|--------------------------------|---------------------------------|------------------------------------|
| <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 | |

In case structure and louvre color choices are different, kindly ask for information.

LED LIGHTS

- Led Stripe Dimmer Lighting
 - Cool White - 5100K
 - Day Light - 2800K
- 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*

ADDITIONAL NOTES & DRAWINGS ATTACHED



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 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 (2800K) or cool white (5100K) 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 & Fully Closed

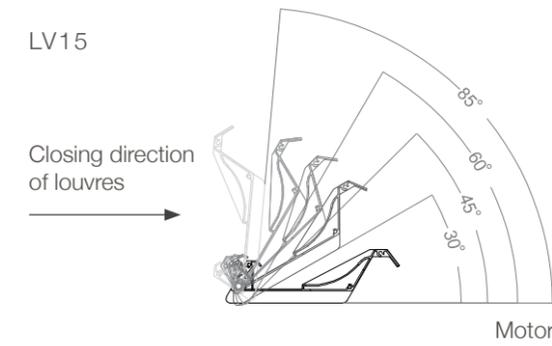


Tilted

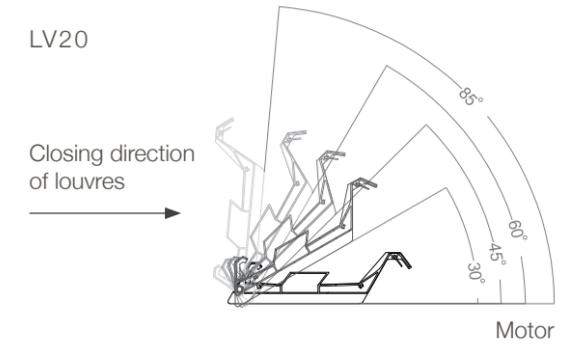


Louvre Closing Direction

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



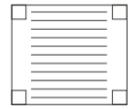
Self Standing
Multiple Modules



Wall Mounting
Multiple Modules



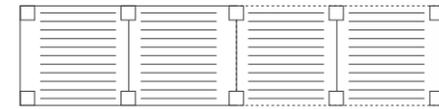
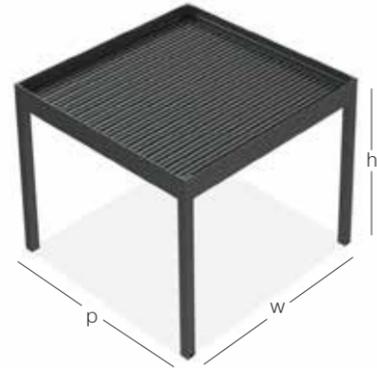
Blocked assembly for customized modules with a wide range of flexible combinations.



(w) Width
1000 mm < 4500 mm

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

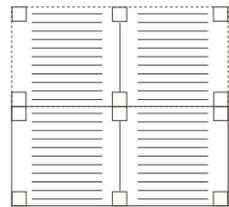
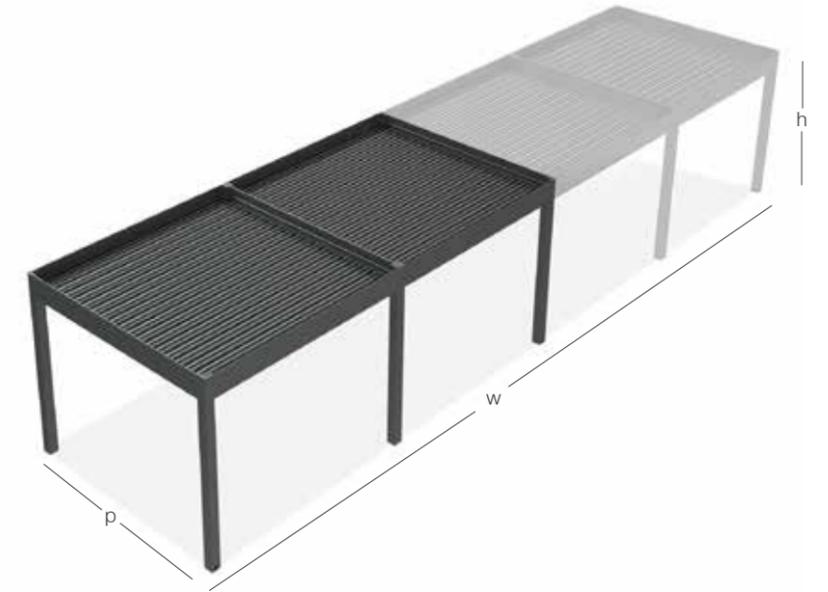
(h) Height
3000 mm



(w) Width
4000 mm < 18000 mm

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

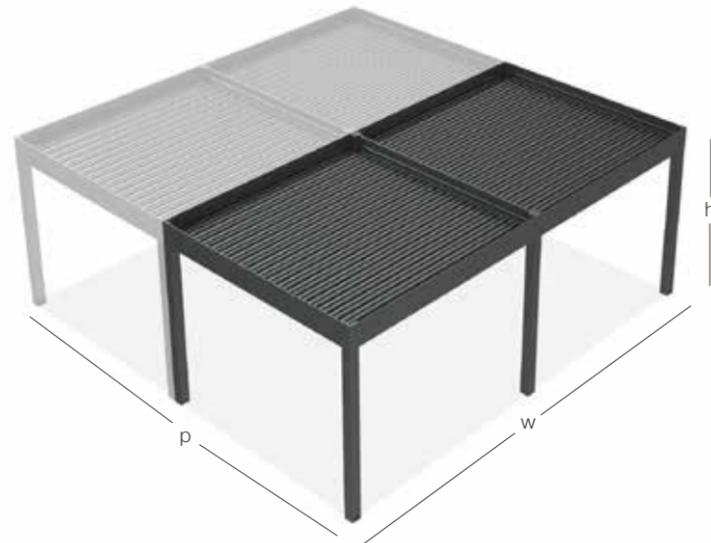
(h) Height
3000 mm



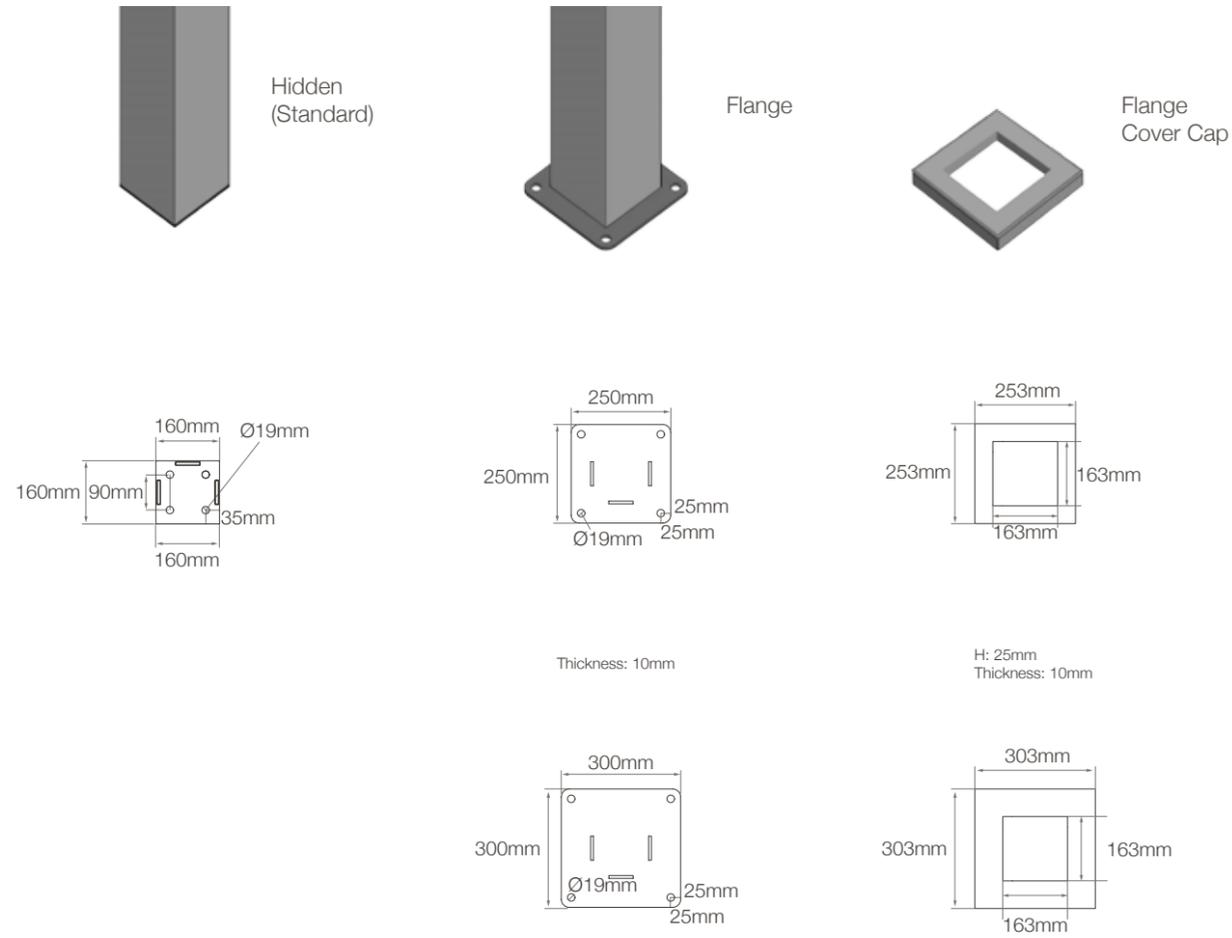
(w) Width
2000 mm < 9000 mm

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

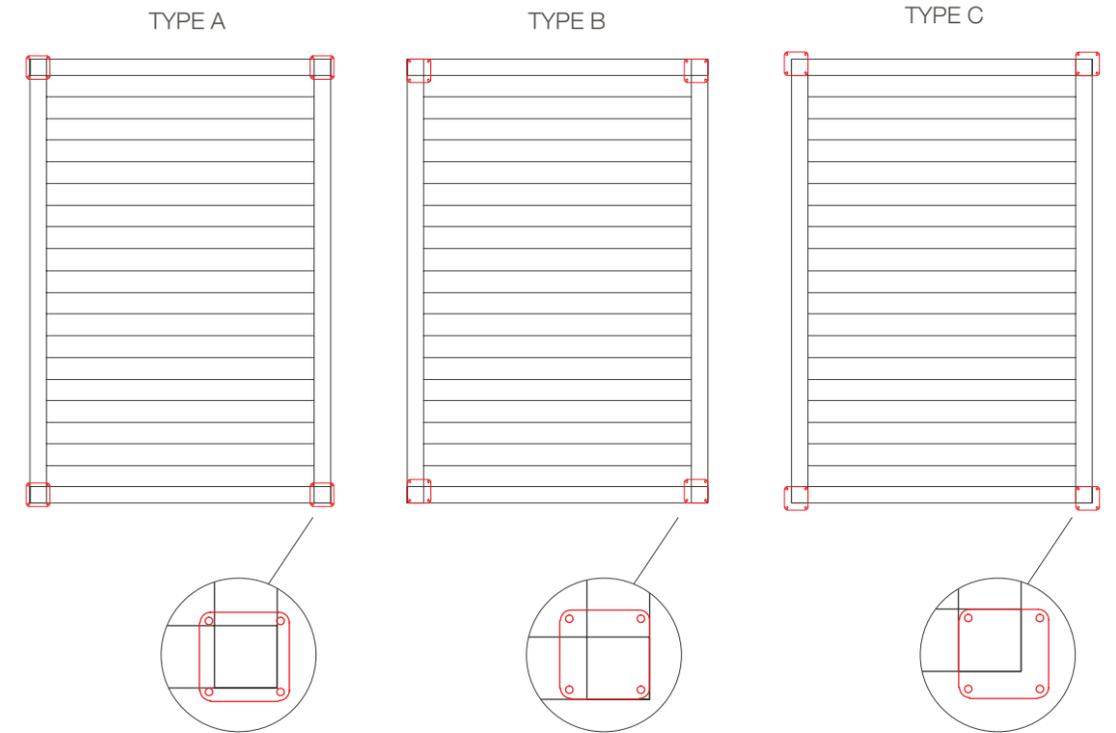
(h) Height
3000 mm



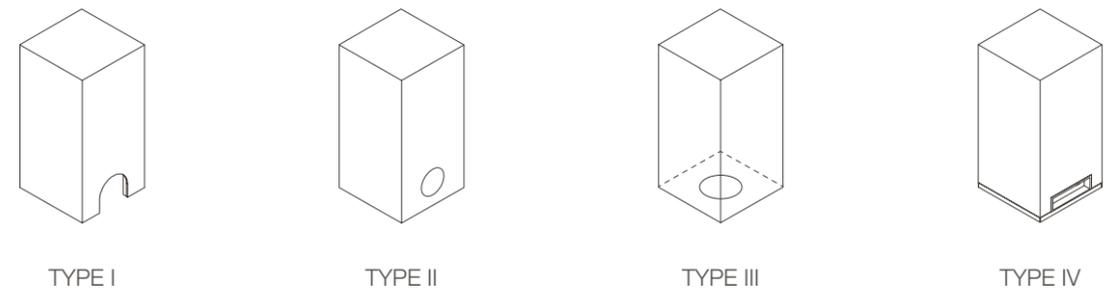
Column Base Options



Flange Positions



Drainage Types

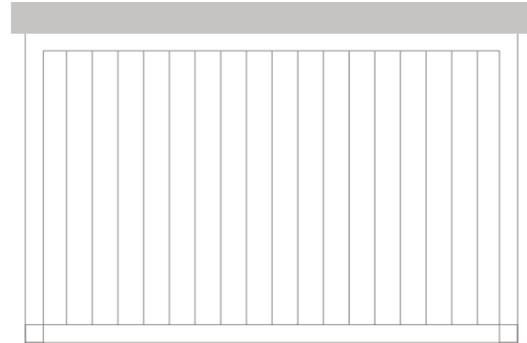


Wall Installation Louvre Positions

Parallel To Wall

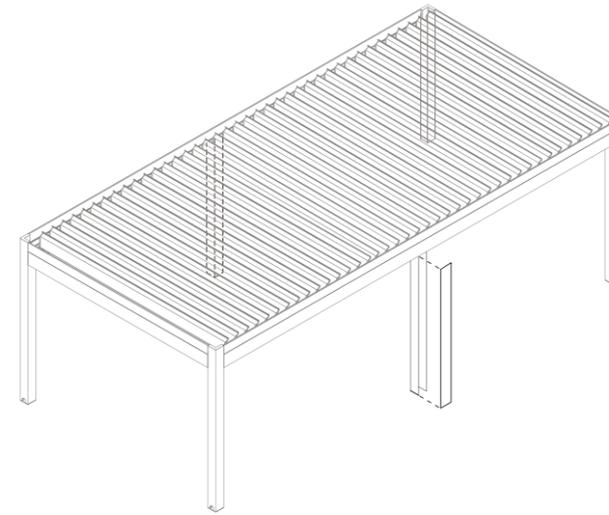


Vertical To Wall

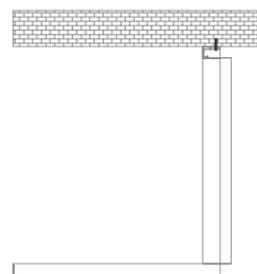
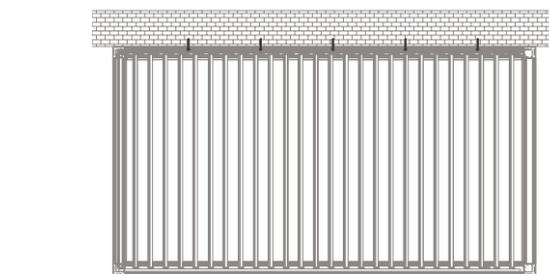
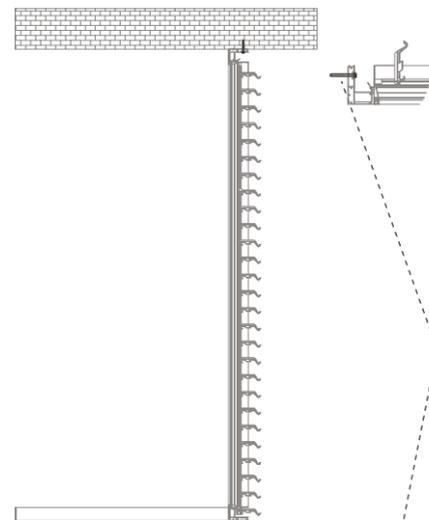
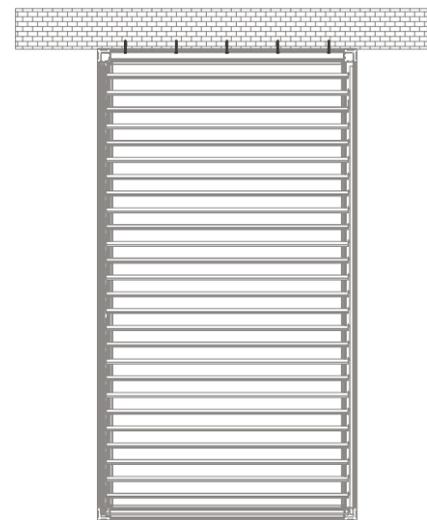


Support Column

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



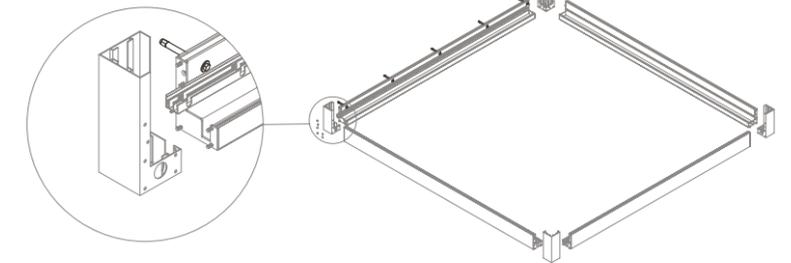
Mounting



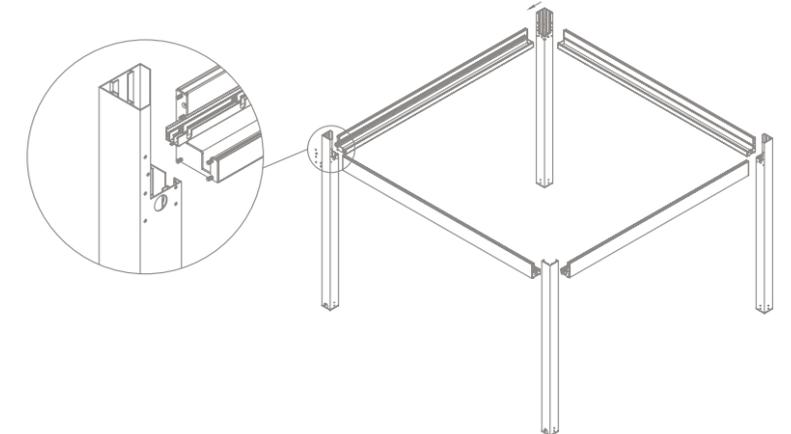
Easy wall mounting by screwing inox bolts through gutter profile. Any additional brackets are not required.

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

Wall Mounting

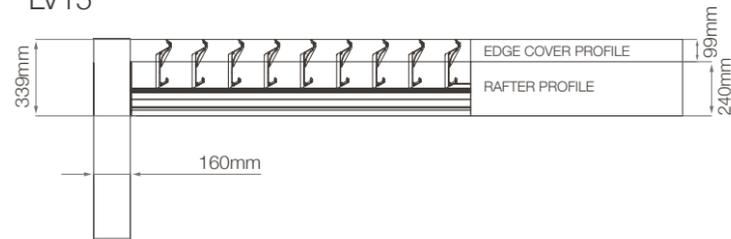


Self Standing

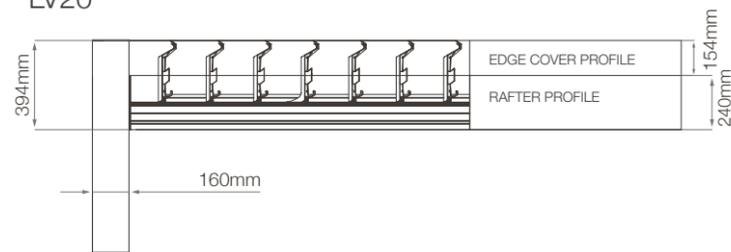


Side Elevation

LV15



LV20



Louvre Stormguard Seal

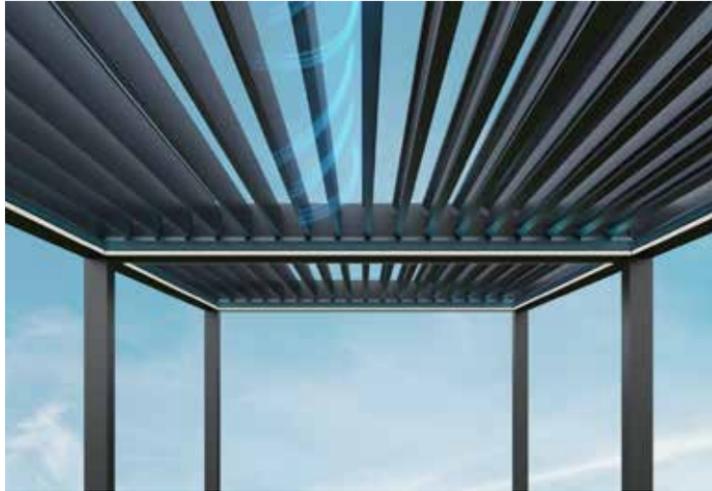
Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.



Louvre LV15



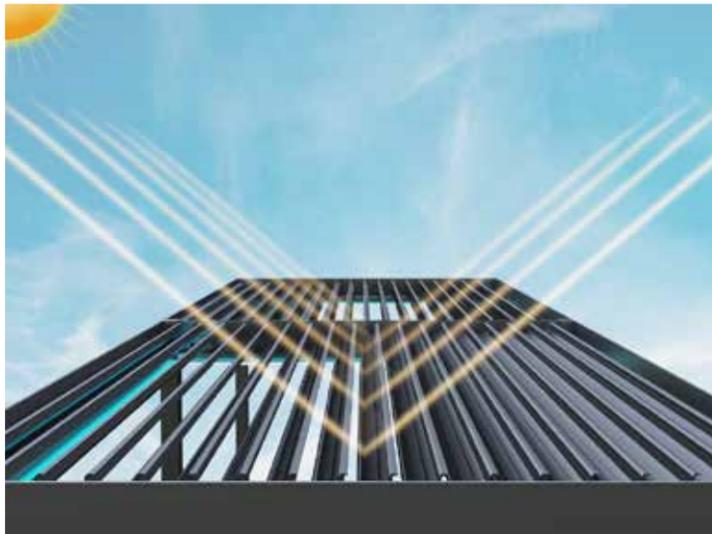
Louvre LV20



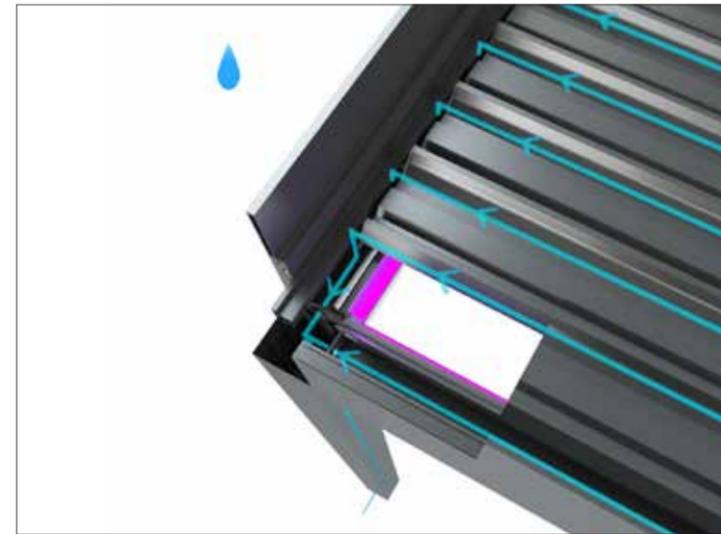
Slightly opening of louvres creates natural air flow for application areas.



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.

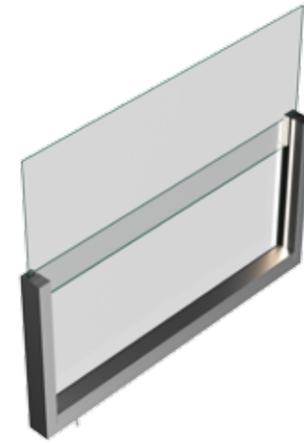


LV15 LV20
Functional seal entegrated on louvre channels provides maximum protection from water dripping.

Closures



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.



Swind
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.



Vertex Zip 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.



Sapphire Glass System
Sapphire 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.

Projection Dimensions LV15

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

| | | WIDTH | |
|----|------|-------|------|
| | | 1800 | 4500 |
| 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 | | |

Projection Dimensions LV20

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

| | | WIDTH | |
|----|------|-------|------|
| | | 1800 | 4500 |
| 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 | | |

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 IP66 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 | 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.

III | 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.

IV | Weather Resistance

Wind Resistance

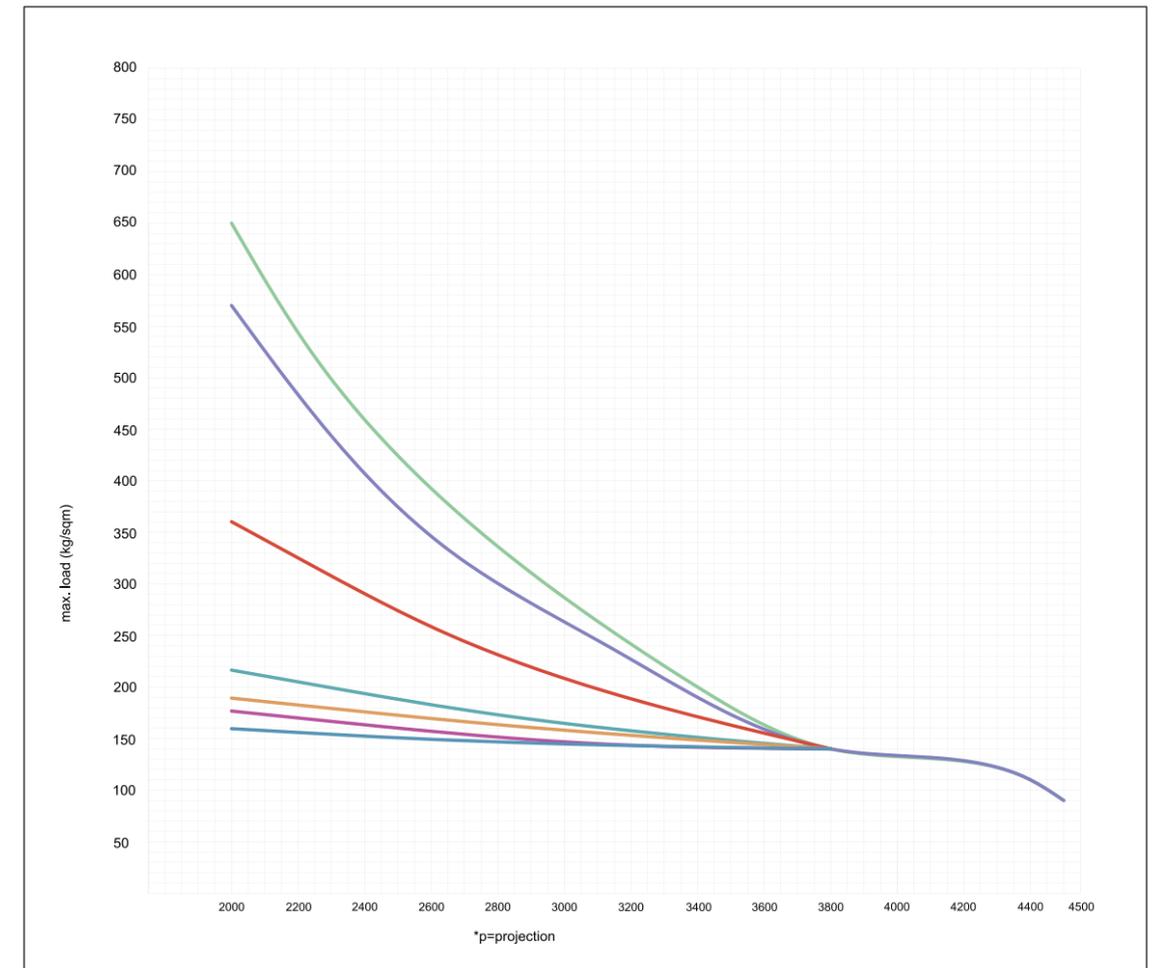
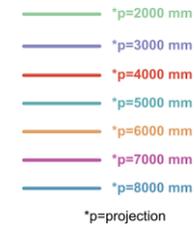
- Wind rating up to Beaufort number 10 (up to 102km/h).

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.



V | 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).

VI | Additional Equipments

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

VII | 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 | +5100-6500K | 1130 lumens/m

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

- RGB Led-Hidden Stripe Lighting

60 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 and lux 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 sliding, sliding frame, Sapphire automatic vertical glass system, motorised Vertex zip or Swind windbreaker system 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.

Sliding Glass System

- 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.

Sliding Frame Glass System

Sliding Frame glass system is made of fine-framed aluminum which cover each individual glass panel enables the individual parallel panels to be moved horizontally with single or double slide options.

- Double insulated glass (4+11+4mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Electrostatic powder-coated frame.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Handle with Key Lock or Button lock and Pull Handle with Key Lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 2 or 3 rails up to maximum 6 panels combined with side or central openings.

Swind

Swind – Automatic vertical up-down glass panel.

System is preferred at restaurants, cafes and terraces either private or commercial as an automatic vertical up-down glass separator for outdoor spaces, besides fixed panel can also incorporate the function of balustrade.

- 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.

Vertex Zip System

- Zip system is designed especially for outdoors use thanks to its system of zipper rails which can tolerate strong gusts of wind besides offering protection and a higher degree of privacy.
- 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.

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 manual 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

| | Axis | Sapphire | Sliding Glass | Sliding Frame | Vertex | Swind |
|-------------------------|---------|----------|---------------|---------------|---------|---------|
| Structure& Coating | 5 years | 5 years | 5 years | 5 years | 5 years | 5 years |
| Motor&Control Units | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |
| Lighting& Control Units | 2 years | N/A | N/A | N/A | N/A | 2 years |

*Enduser and installation defects are not covered.

Overview

Operations

LV15



Lighting Options

Led Stripe Dimmer Lighting

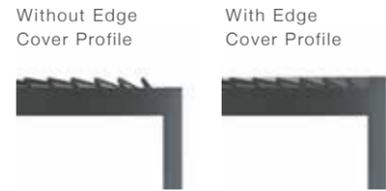


RGB Led-Hidden Stripe Lighting



Optional

Edge Cover Profile



Operations

LV20

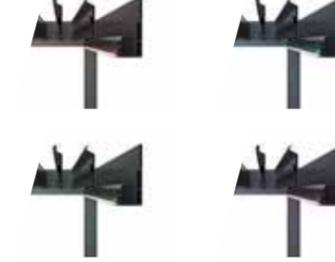


Lighting Options

Led Stripe Dimmer Lighting



RGB Led-Hidden Stripe Lighting



Optional

Insulation Foam



Edge Cover Profile



Installation Types

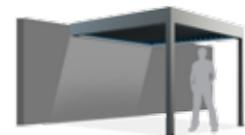
Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Sensors

Rain Sensor 

Wind Sensor 

Installation Types

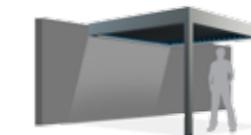
Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Sensors

Rain Sensor 

Wind Sensor 

Closures

Sapphire Glass System



Sliding Glass System



Swind Windbreaker System



Vertex Zip System



Closures

Sapphire Glass System



Sliding Glass System



Swind Windbreaker System

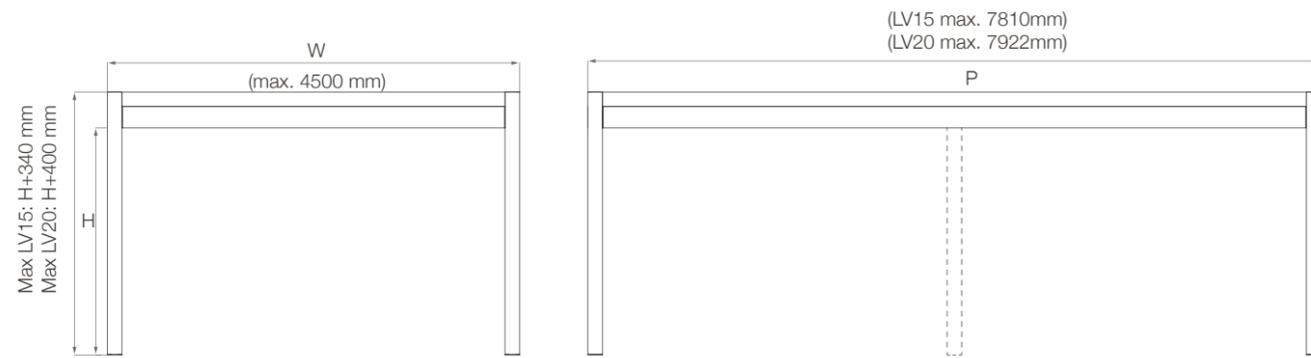


Vertex Zip System



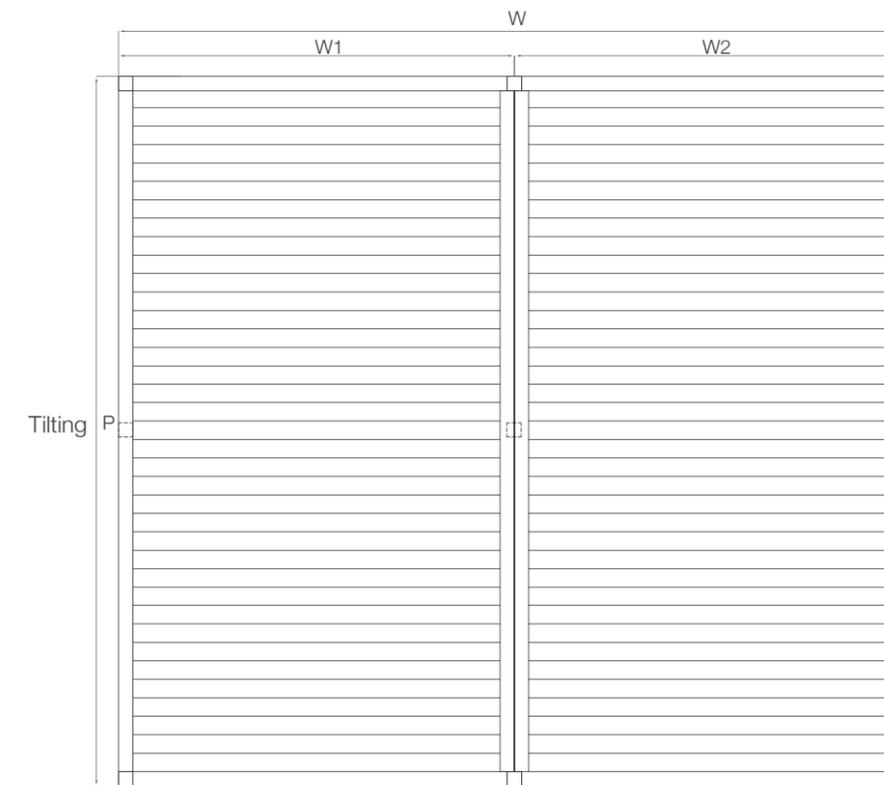
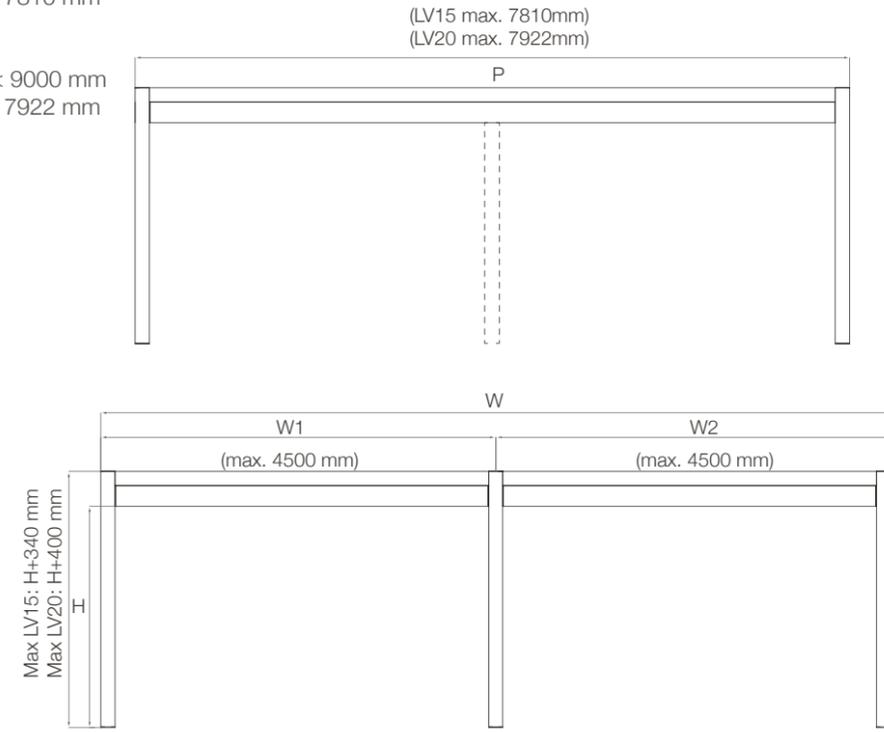
Single Module
 LV15
 W: 1000 mm < 4500 mm
 P: 1174 mm < 7810 mm

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



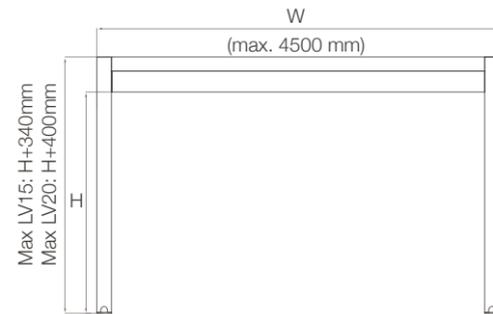
Multiple Modules Type 1
 LV15
 W: 2000 mm < 9000 mm
 P: 1174 mm < 7810 mm

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

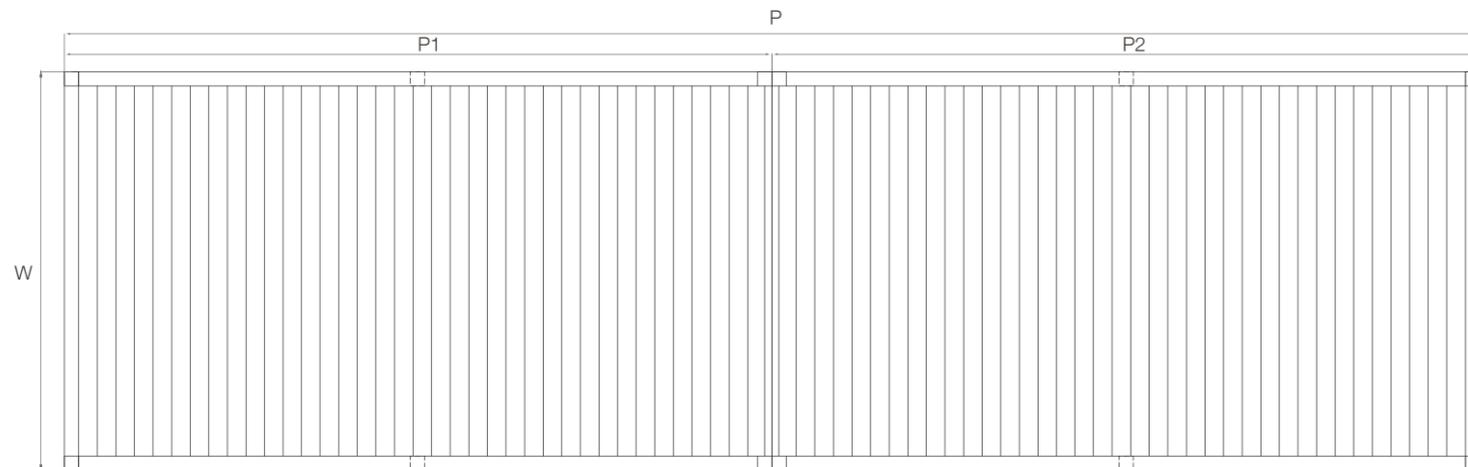
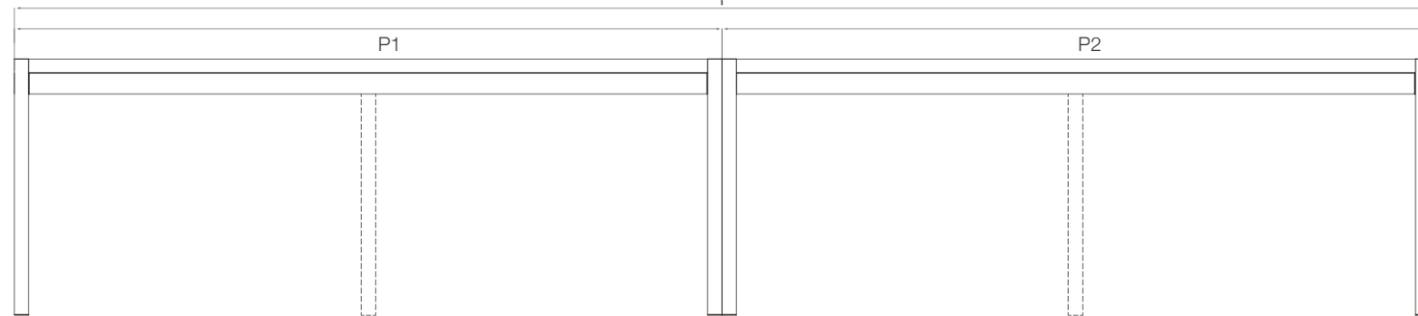


Multiple Modules Type 2
 LV15
 W: 1000 mm < 4500 mm
 P: 2348 mm < 15620 mm

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



LV15 max. 7810mm
 LV20 max. 7922mm



Company Name:
 Order Reference:

Order Date:
 Quantity:

LOUVRE OPTION

- LV15
- LV20

INSTALLATION TYPES

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

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 (single module max. dimension is 4500x7860 mm / LV15 or 4500x7922 mm / LV20)

- Type 1 Type 2
- W1mm P1mm
- W2mm P2mm
-
-

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 | |

In case structure and louvre color choices are different, kindly ask for information.

LED LIGHTS

- Led Stripe Dimmer Lighting
 - Cool White - 5100K
 - Day Light - 2800K
- 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*

ADDITIONAL NOTES & DRAWINGS ATTACHED

* Extra cost

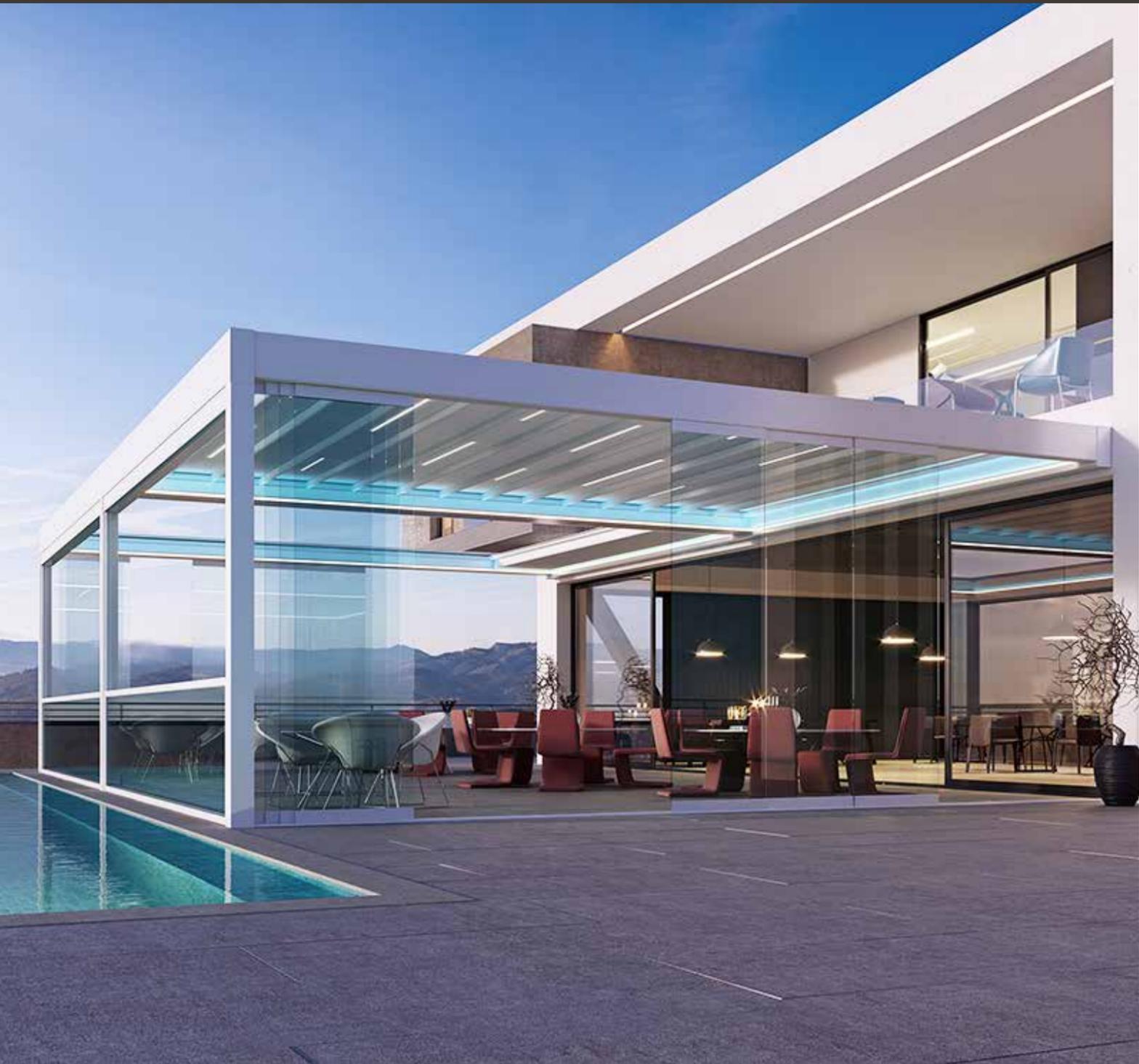
QUATTRO

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 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 (2800K) or cool white (5100K) options.

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



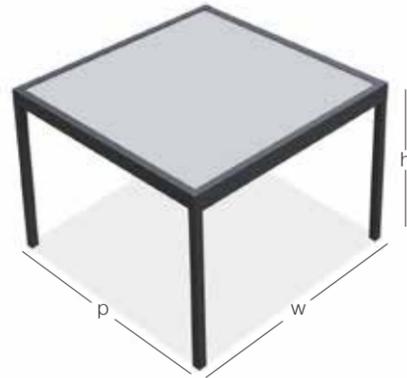
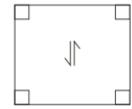
Self Standing
Multiple Modules



Wall Mounting
Multiple Modules



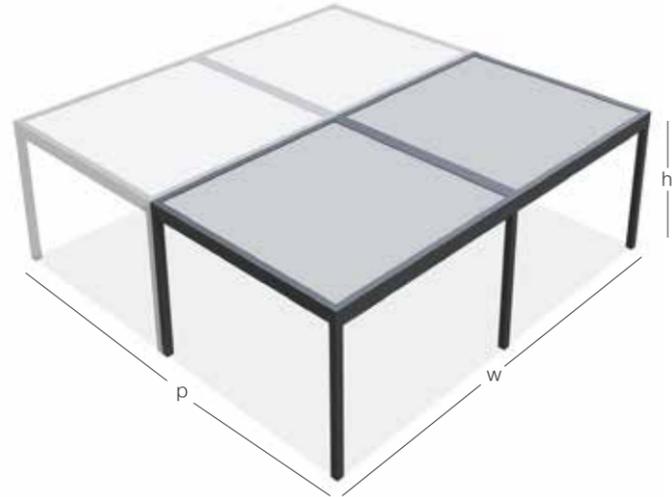
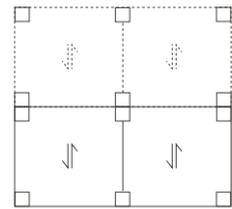
Blocked assembly for customized modules with a wide range of flexible combinations.



(w) Width
1500 mm < 5500 mm

(p) Projection
1500 mm < 8000 mm

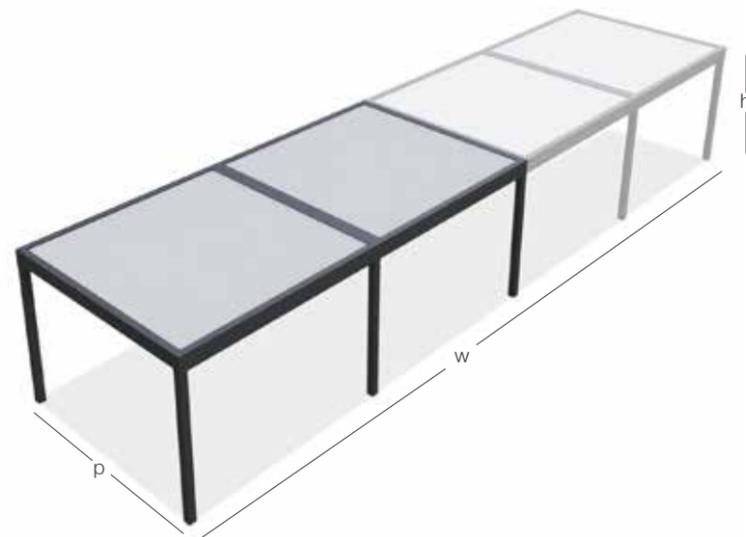
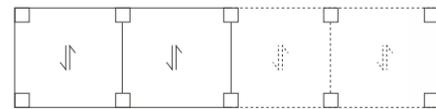
(h) Height
3000 mm



(w) Width
3000 mm < 11000 mm

(p) Projection
3000 mm < 16000 mm

(h) Height
3000 mm



(w) Width
6000 mm < 22000 mm

(p) Projection
1500 mm < 8000 mm

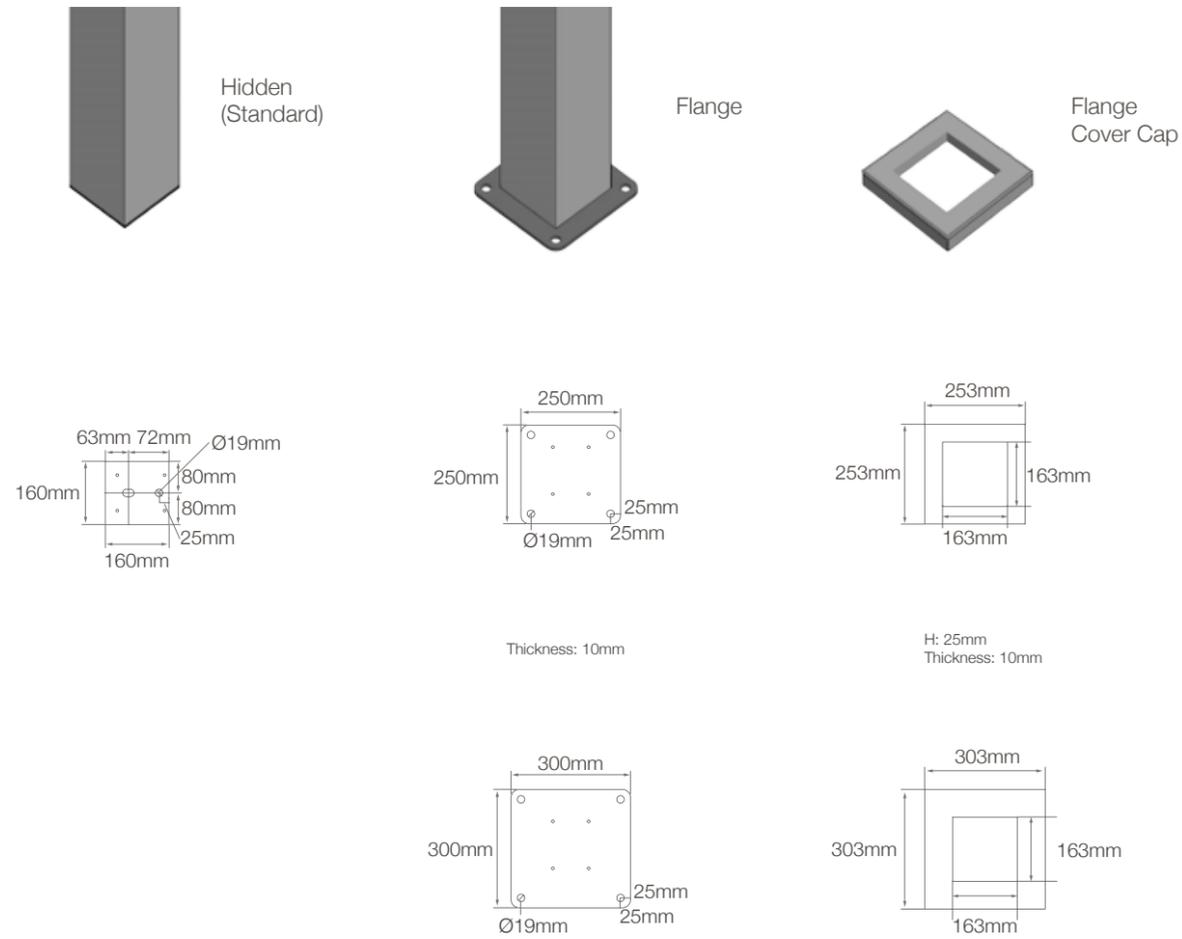
(h) Height
3000 mm

Intra-Column Drainage Pipe

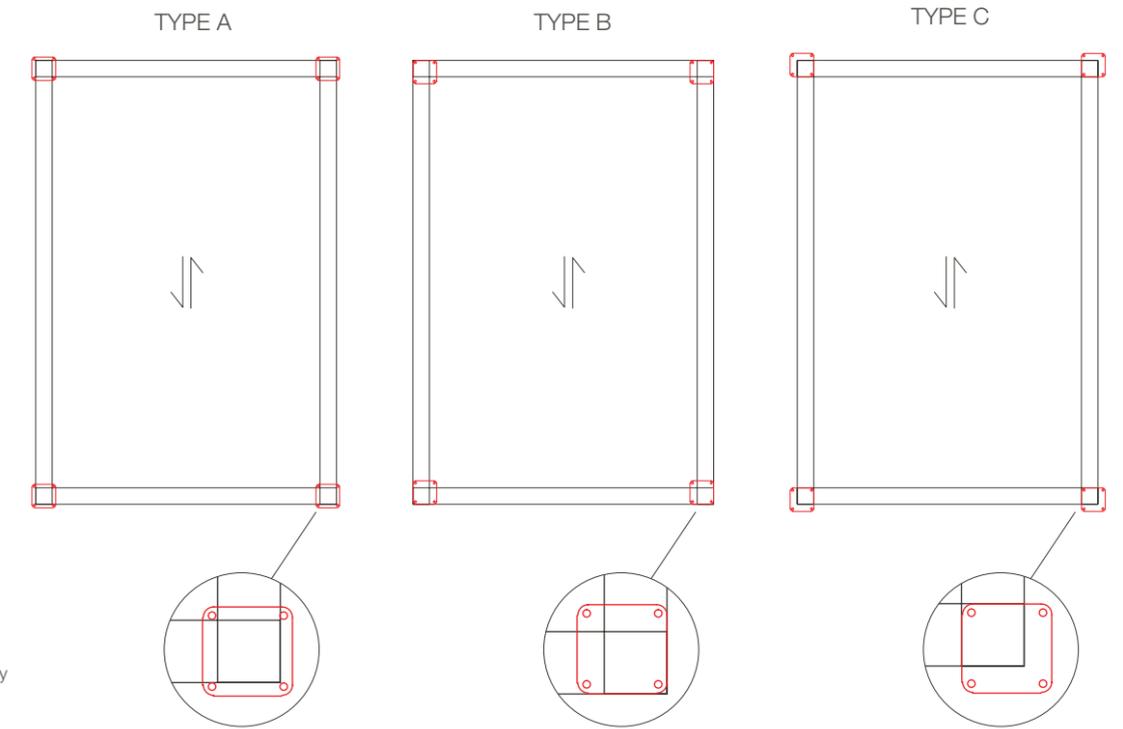
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



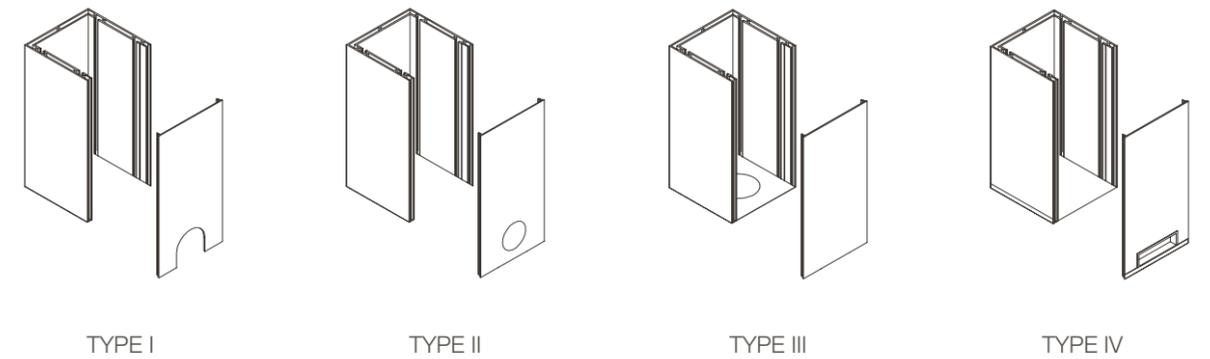
Column Base Options



Flange Positions

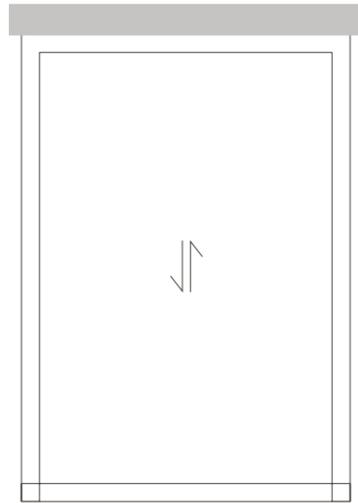


Drainage Types



Wall Installation

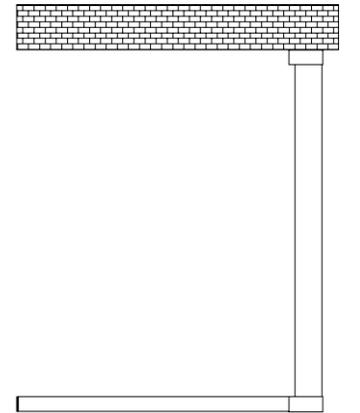
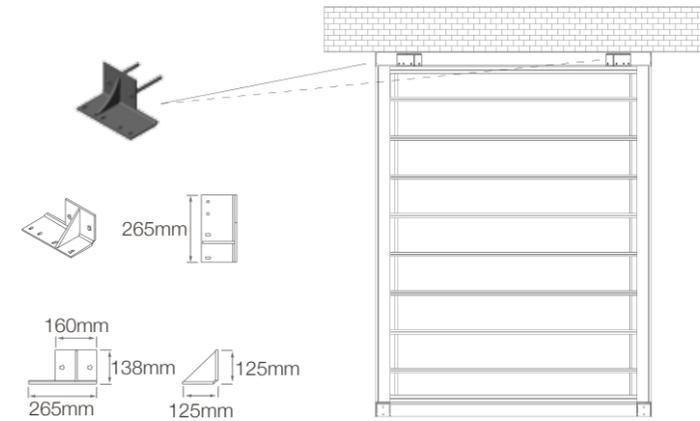
Parallel To Wall



Vertical To Wall

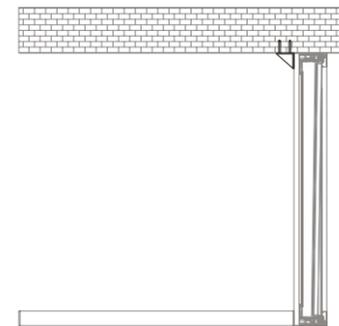
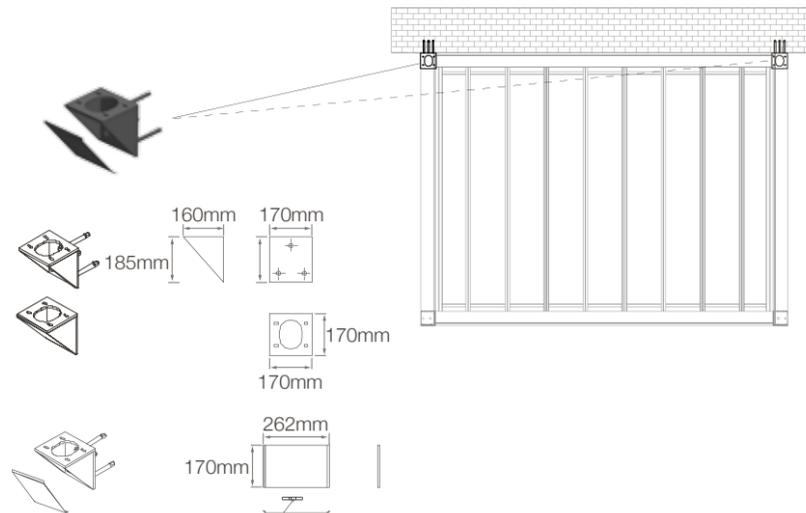


Inner (Hidden) Wall Bracket (Inox)

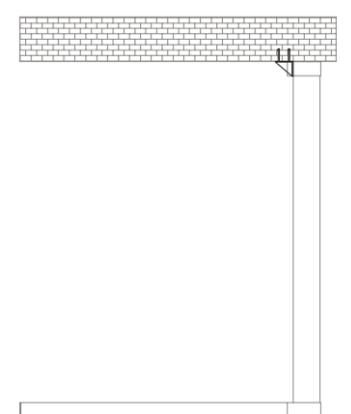
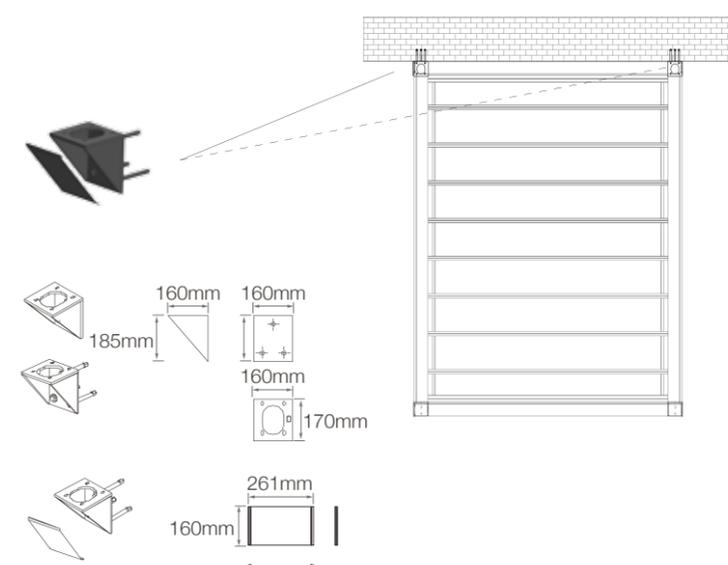


Hang Bracket Types

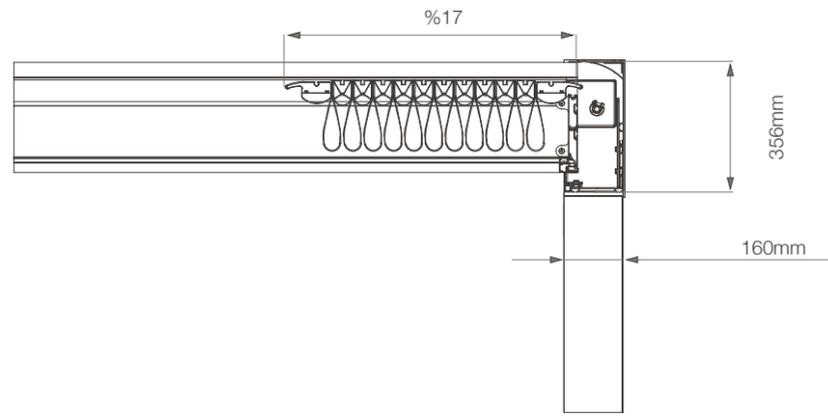
Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap



Parallel Mounting Outer Wall Bracket (Inox) With Optional Cap



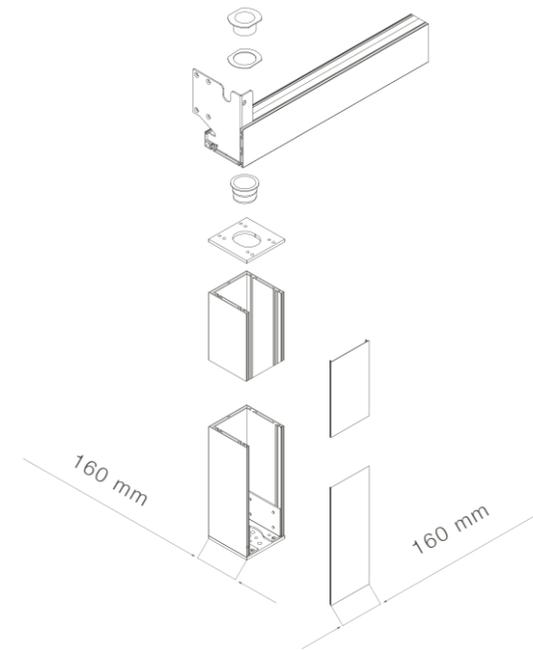
Side Elevation



Column Connection

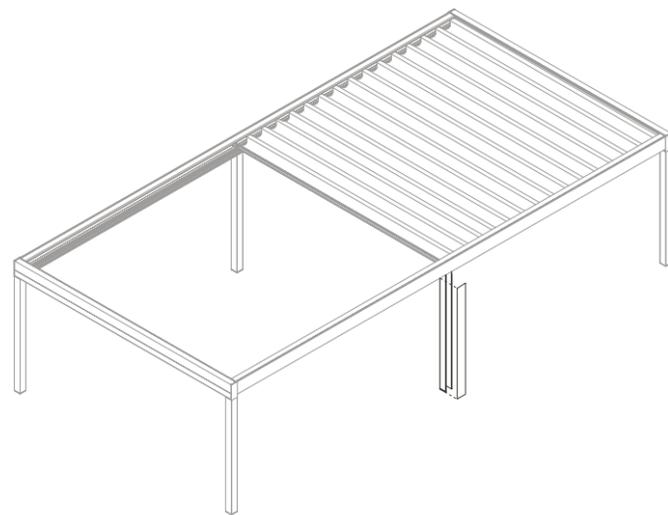
Thanks to ease of column base assembly each columns can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

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.



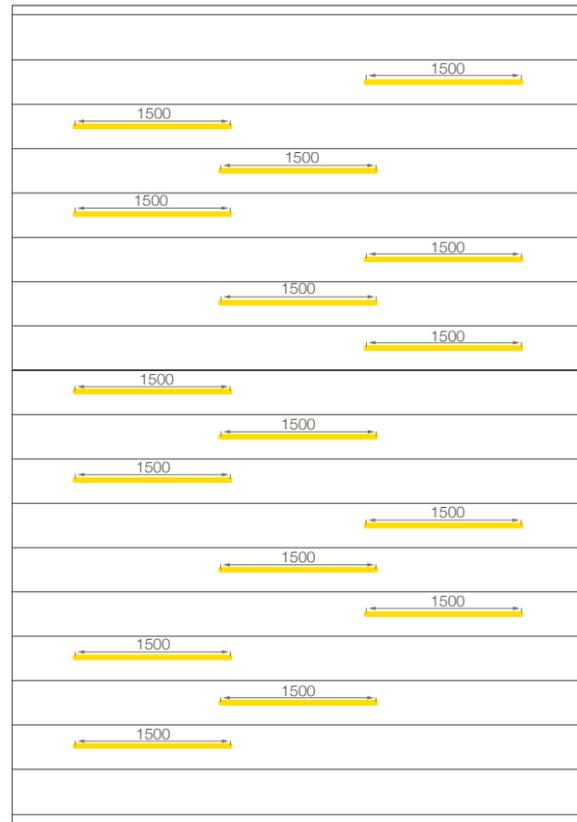
Support Column

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



Linear Fabric Dimmer Led Configuration

Symmetrical

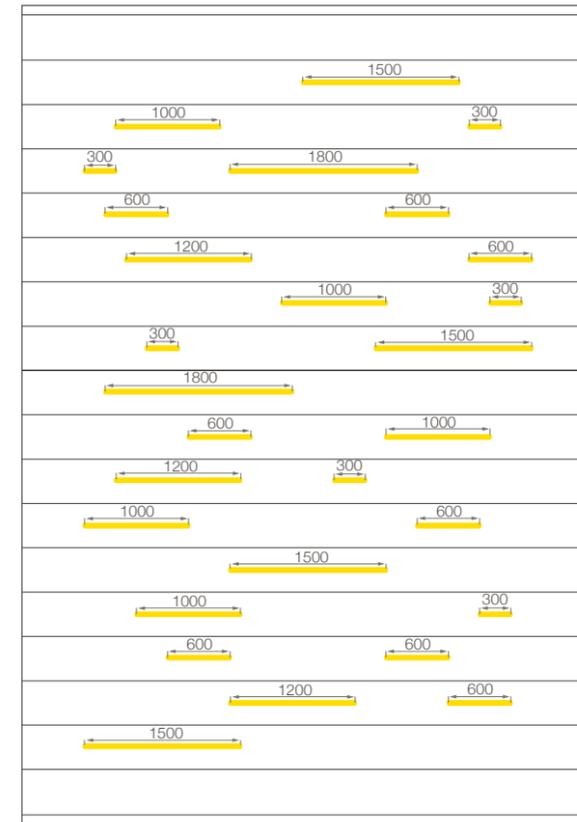


(w) Width
4000 mm > 5500 mm
(p) Projection
5000 mm > 8000 mm

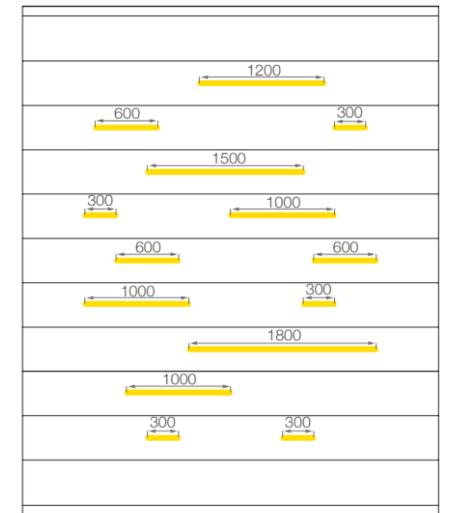


(w) Width
1500 mm > 4000 mm
(p) Projection
1500 mm > 5000 mm

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

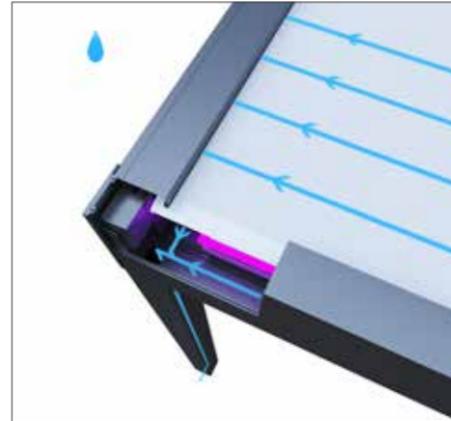
Water Flow

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

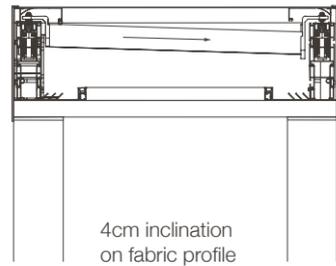
One Side Flow



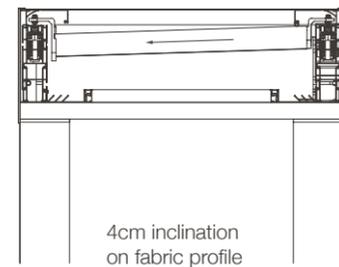
Right Side Flow



Left Side Flow



4cm inclination on fabric profile

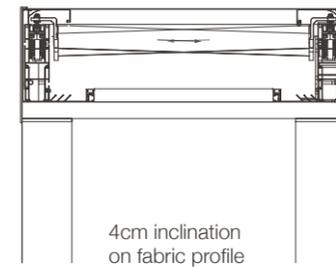
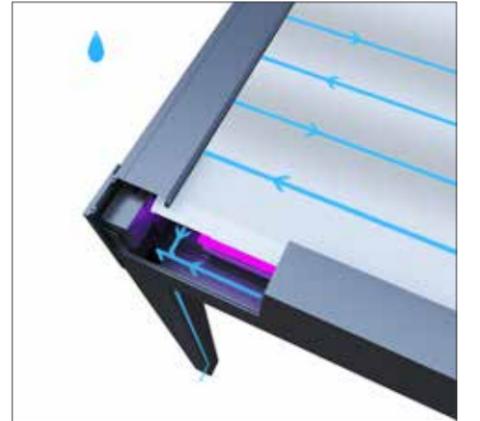


4cm inclination on fabric profile

Alternating Flow



Double Sided Flow

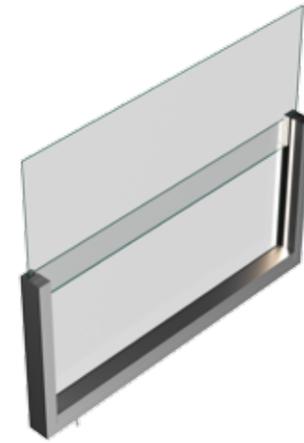
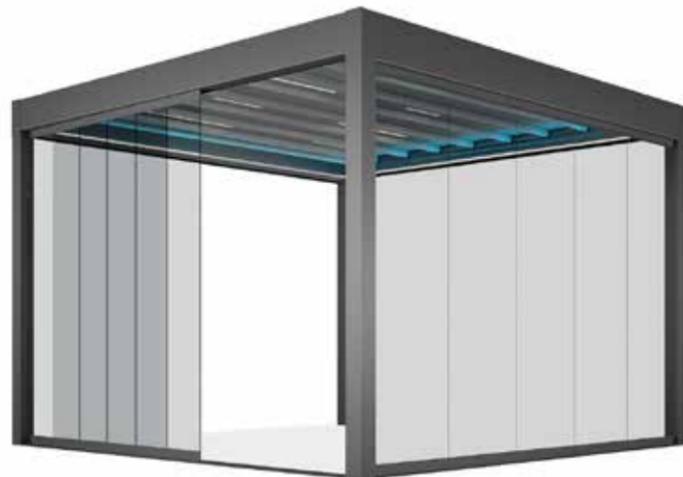


4cm inclination on fabric profile

Closures



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.



Swind
 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.



Vertex Zip 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.



Sapphire Glass System
 Sapphire 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.

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 | 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.

III | 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

IV | Weather Resistance

Wind Resistance

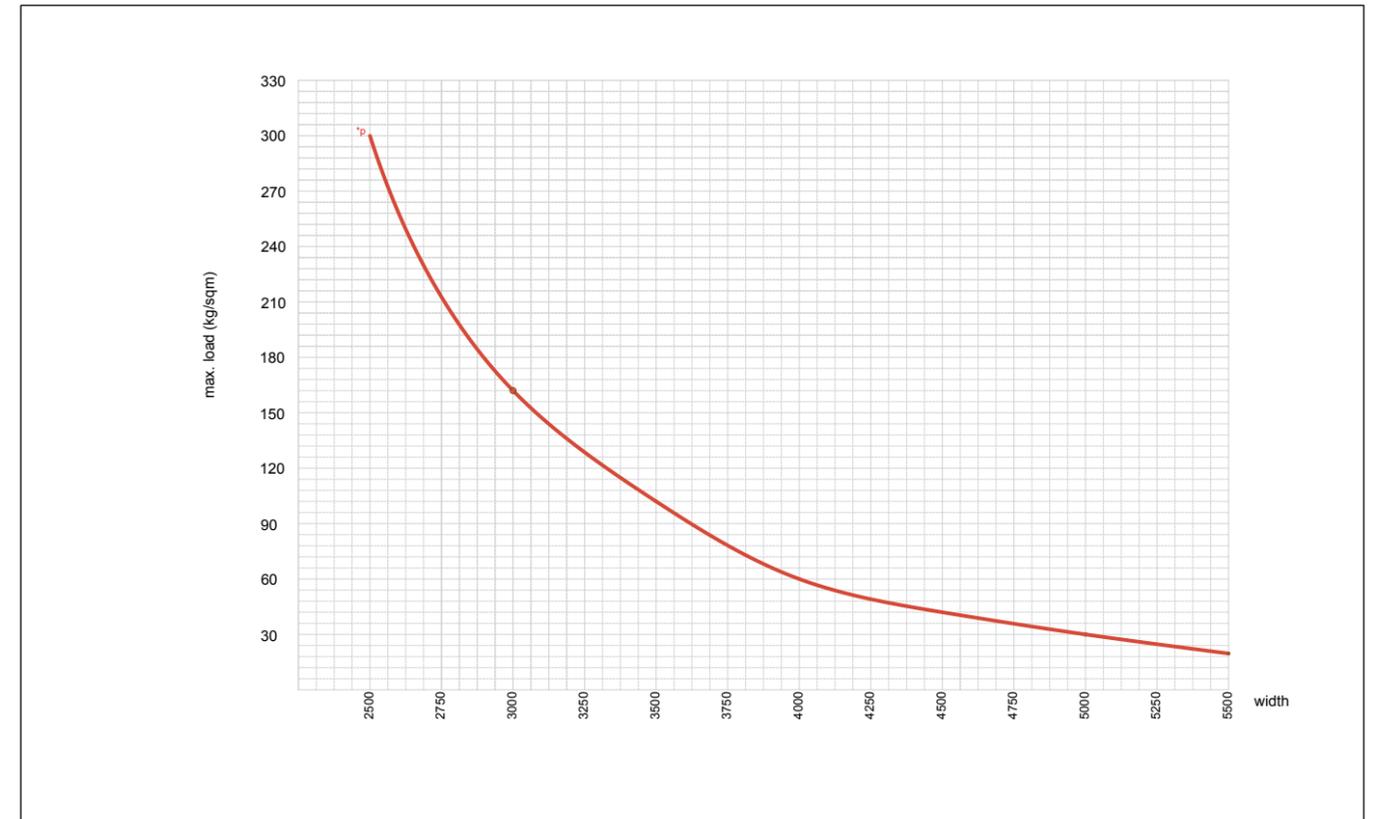
- Wind rating up to Beaufort number 10 (up to 102km/h).

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;



V | 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.



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



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



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

VI | Additional Equipments

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

VII | 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.

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 unexpected 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 and lux 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 sliding, sliding frame, Sapphire automatic vertical glass system, motorised Vertex zip or Swind windbreaker system 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.

Sliding Glass System

- 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.

Sliding Frame Glass System

Sliding Frame glass system is made of fine-framed aluminum which cover each individual glass panel enables the individual parallel panels to be moved horizontally with single or double slide options.

- Double insulated glass (4+11+4mm).
- Transparent sliding glass panels in standard besides of Blue, Green, Smoked and Bronze glass color options.
- Electrostatic powder-coated frame.
- Internal or external locking of the sliding panels by optional key lock for security measures.
- Handle with Key Lock or Button lock and Pull Handle with Key Lock.
- Combination availability with Vertex Zip System for sun protection.
- Available with 2 or 3 rails up to maximum 6 panels combined with side or central openings.

Swind

Swind – Automatic vertical up-down glass panel.

System is preferred at restaurants, cafes and terraces either private or commercial as an automatic vertical up-down glass separator for outdoor spaces, besides fixed panel can also incorporate the function of balustrade.

- 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.

Vertex Zip System

- Zip system is designed especially for outdoors use thanks to its system of zipper rails which can tolerate strong gusts of wind besides offering protection and a higher degree of privacy.
- 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.

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

| | Quattro | Sapphire | Sliding Glass | Sliding Frame | Vertex | Swind |
|-------------------------|---------|----------|---------------|---------------|---------|---------|
| Structure& Coating | 5 years | 5 years | 5 years | 5 years | 5 years | 5 years |
| Motor&Control Units | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |
| Lighting& Control Units | 2 years | N/A | N/A | N/A | N/A | 2 years |
| Fabrics | 5 years | N/A | N/A | N/A | 5 years | N/A |

**Enduser and installation defects are not covered.

Operations

One Side



Alternating



Lighting Options

Led Stripe Dimmer Lighting



RGB Led-Hidden Stripe Lighting



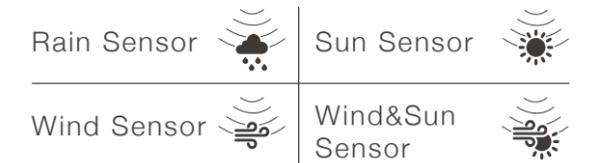
HDD Lux High Power Led Lighting



Linear Fabric Dimmer Led Lighting



Sensors



Installation Types

Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Closures

Sapphire Glass System



Sliding Glass System

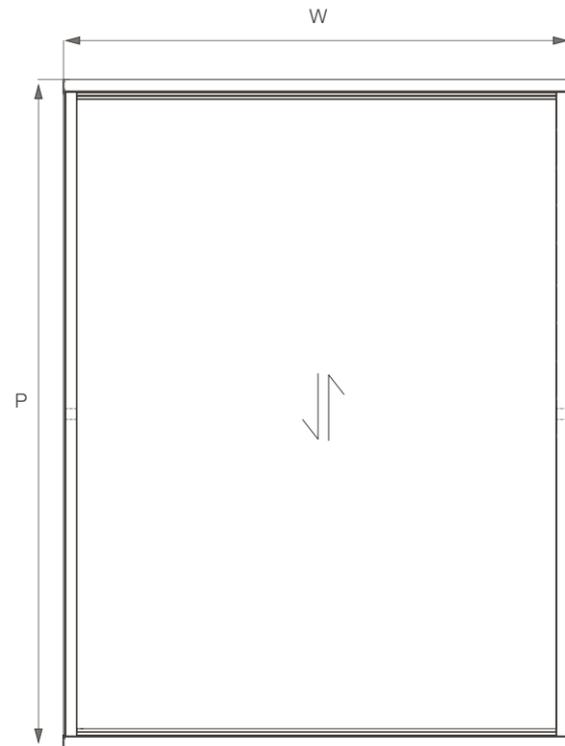
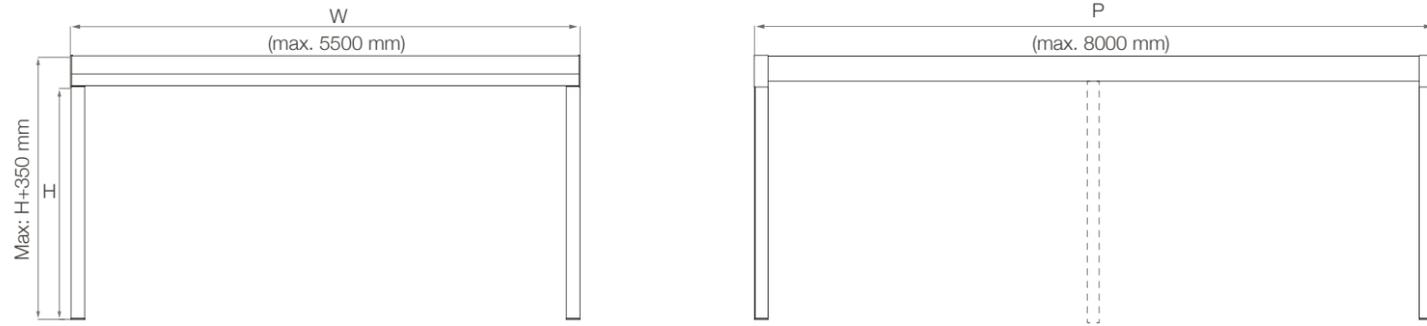


Swind Windbreaker System

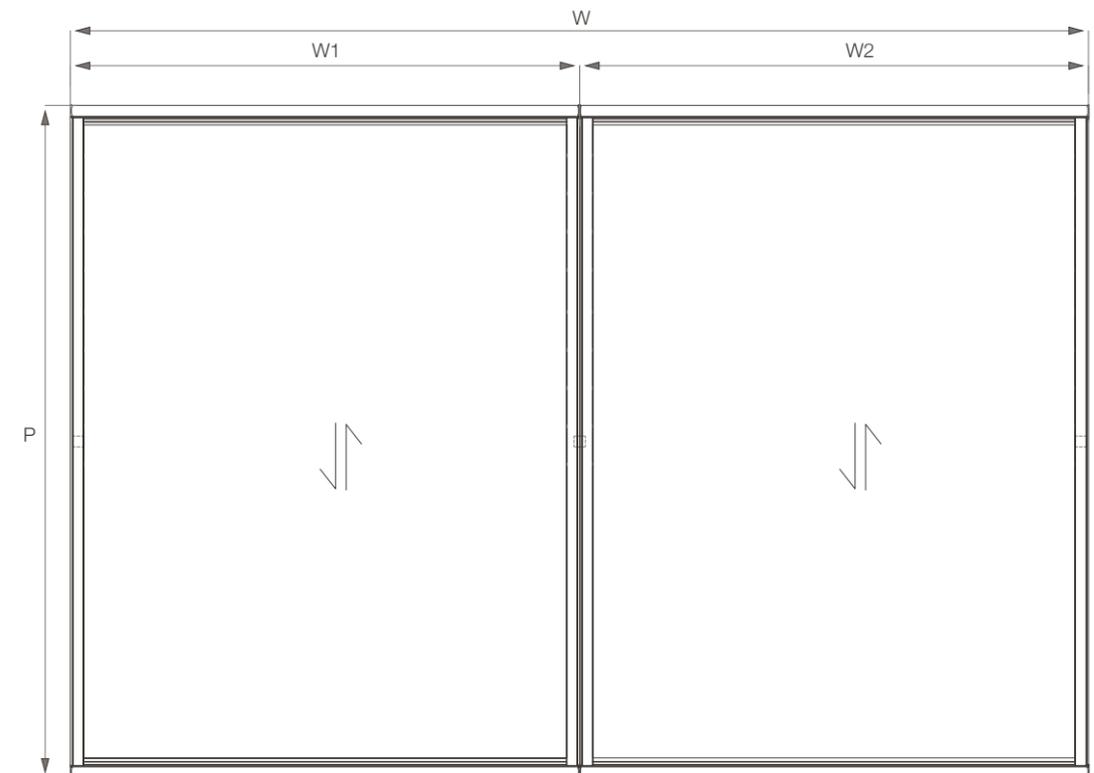
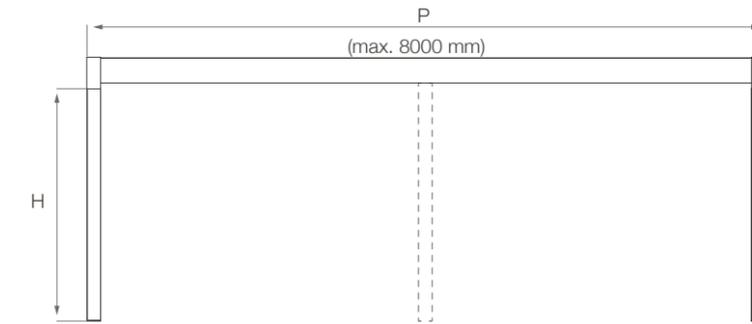
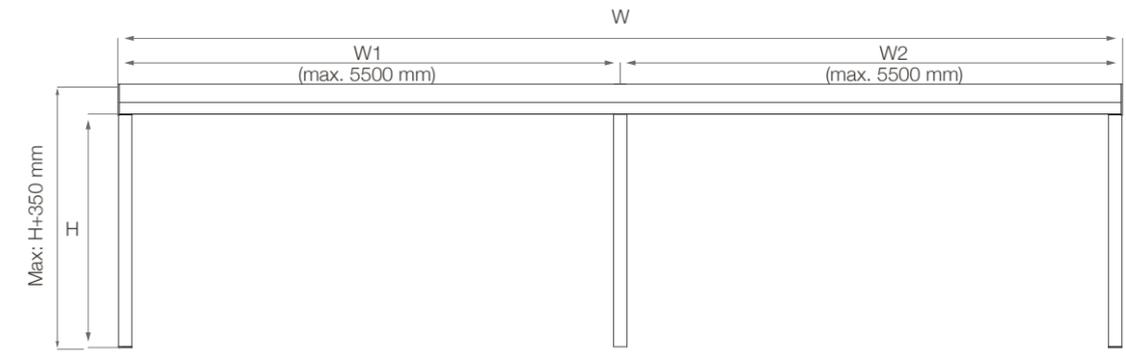
Vertex Zip System



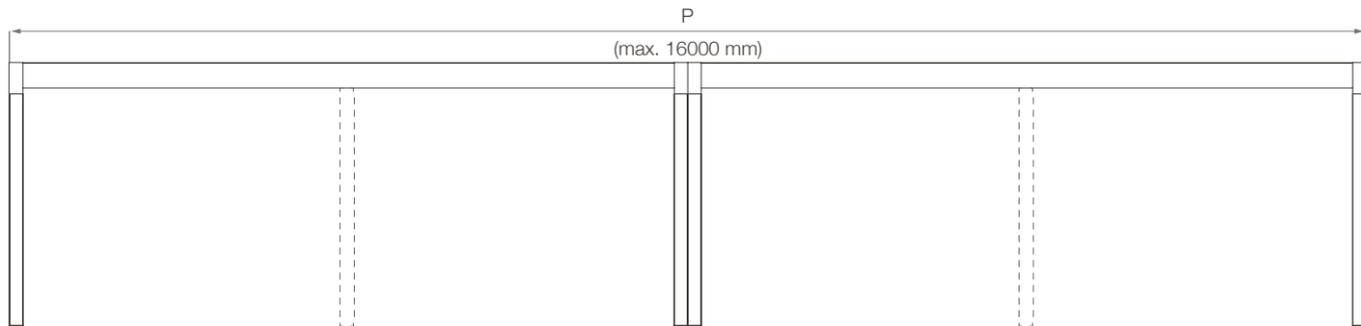
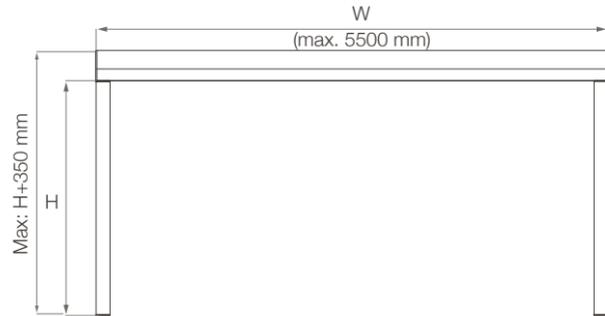
Single Module
W: 1500 mm < 5500 mm
P: 1500 mm < 8000 mm



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

Company Name:
 Order Reference:

Order Date:
 Quantity:

WATER FLOW

- One Side
 - Left
 - Right
- Alternating

INSTALLATION TYPES

- Self Standing
- Wall Mounting

DIMENSIONS

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

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

- 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"/> Other ... |
|-------------------------------|--------------------------------|---------------------------------|------------------------------------|
| <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | |
| <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 | Matt | Semi Transparent |
|--|--|---|
| <input type="checkbox"/> PW213 / White | <input type="checkbox"/> MW23 / White | <input type="checkbox"/> STRW22 / White |
| <input type="checkbox"/> PC211 / Cream | <input type="checkbox"/> MC26 / Cappuccino | <input type="checkbox"/> STRB33 / Black |
| <input type="checkbox"/> PG209 / Grey | | |
| Basic | Matt (Linear Fabric Dimmer Led) | <input type="checkbox"/> Other... |
| <input type="checkbox"/> WT785 / White | <input type="checkbox"/> LW22 / White | |
| <input type="checkbox"/> CR295 / Cream | <input type="checkbox"/> LCR33 / Cream | |
| Xclusive | <input type="checkbox"/> LC44 / Cappuccino | |
| <input type="checkbox"/> WTEX / White | <input type="checkbox"/> LG66 / Grey | |
| <input type="checkbox"/> CRMX / Cream | | |
| <input type="checkbox"/> GRYX / Grey | | |

LED LIGHTS

- Led Stripe Dimmer Lighting
 - Cool White - 5100K
 - Day Light - 2800K
- RGB Led - Hidden Stripe Lighting
- HDD Lux High Power Led
 - *N/A with linear fabric dimmer led
 - *N/A with alternating flow
 - Dimmer Kit
- Linear Fabric Dimmer Led
 - *Only matt fabric collection is available
 - *N/A with alternating flow
 - Symmetrical
 - 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*

ADDITIONAL NOTES & DRAWINGS ATTACHED



SAPPHIRE

Explore the stunning new structural glazing solutions with maximized perspectives...

Sapphire is a new generation of innovative outdoor protection that expands outdoor living areas with its wide panoramic motorised glass panels. The system offers a high end fine frame designed guillotine glass system enriched with a perfect combination of luxury and functionality.

The patented worm shaft technology is supported with creative gearing mechanism that provides high level of safety and eliminates the operational problems with maintenance-free mechanism. Systems can incorporate tempered glazing with exclusive frame, glass type and glass color options. Optional two or three panels configurations are available with perfectly balanced motorised operation by remote control. Thanks to strengthened counterweight movement mechanism motor provides balanced up/down operation and panels can be stacked to either upwards or downwards.

System can be configured to fit and cover various types of areas such as restaurants, terraces, wintergardens, balconies either private or commercial. In addition system can be adapted with Suntech range so if there's a Suntech model to suit you can cover any large open area with side glazing options.

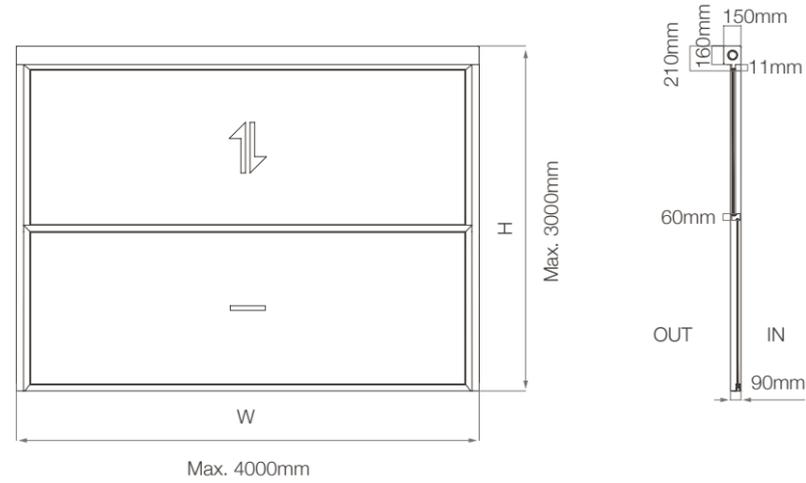
Depending on application, panels can be operated & stacked to suit, either upwards or downwards. Alternative opening-stacking configurations provide an infinite range of spacious living area options.

Thanks to multiple stacking positions, fixed panels can also incorporate the function of balustrades. The position of movable panels can be adjusted according to desired height.

Configurations

2 Panels / Down Parking

Standard Tempered Single Glass 8 / 10mm

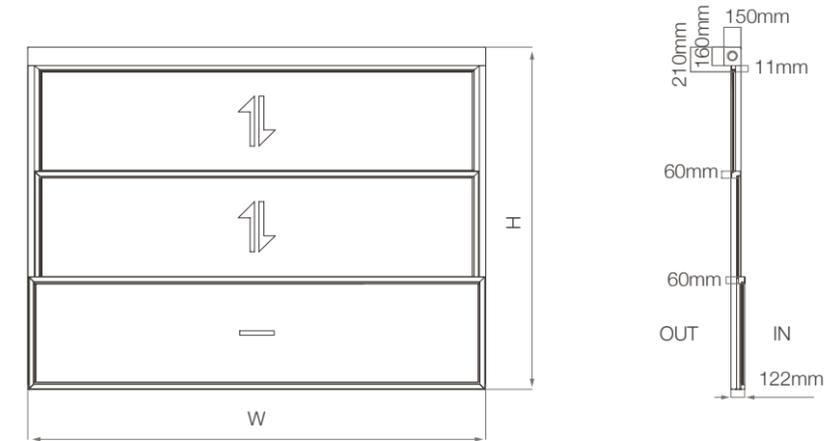


Internal View

Lateral Section

3 Panels / Down Parking

Standard Tempered Single Glass 8 / 10mm

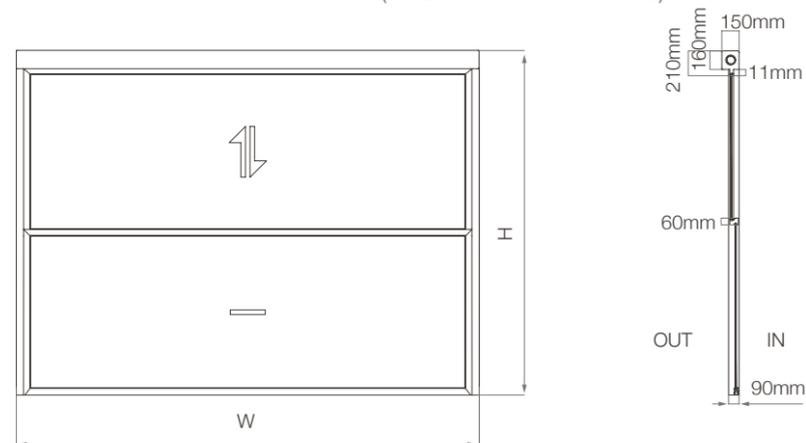


Internal View

Max. W 4000 > H 3000 mm
Max. W 3000 > H 3500 mm

Lateral Section

Insulated Double Glass 4+12+4 mm (width 2000-3000 mm max.)
5+10+5 mm (width 3000-4000 mm max.)

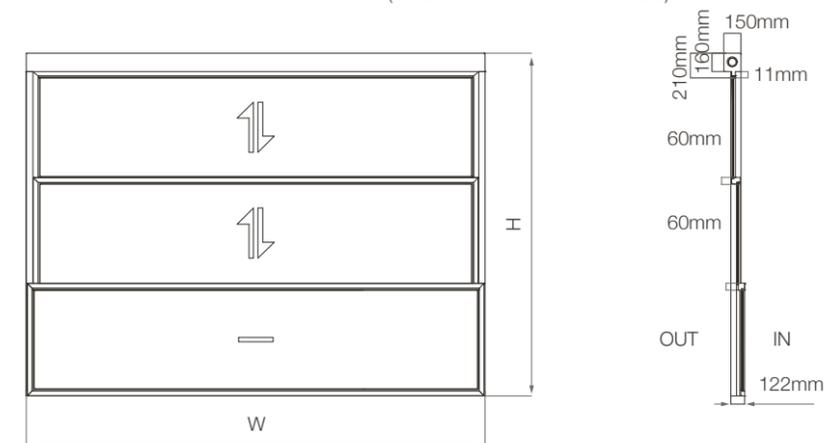


Internal View

Max. W 4000 > H 2500 mm
Max. W 3500 > H 2750 mm
Max. W 3000 > H 3000 mm

Lateral Section

Insulated Double Glass 4+12+4 mm (width 2000-3000 mm max.)
5+10+5 mm (width 3000-4000 mm max.)



Internal View

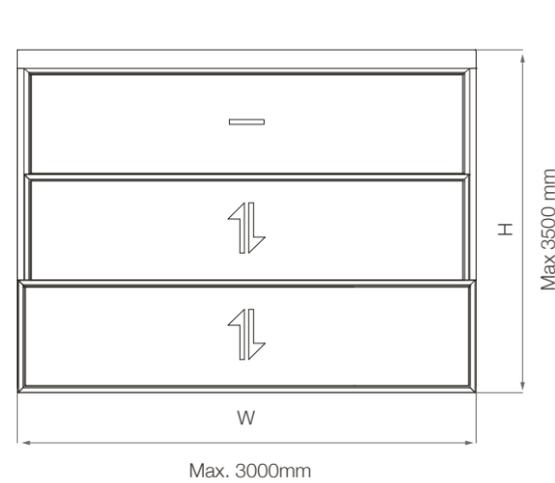
Max. W 4000 > H 3000 mm
Max. W 3000 > H 3500 mm

Lateral Section

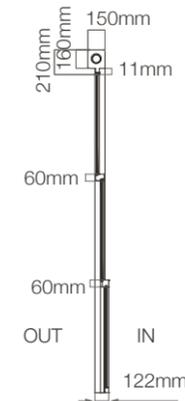
Configurations

3 Panels / Up Parking

Standard Tempered Single Glass 8 / 10mm

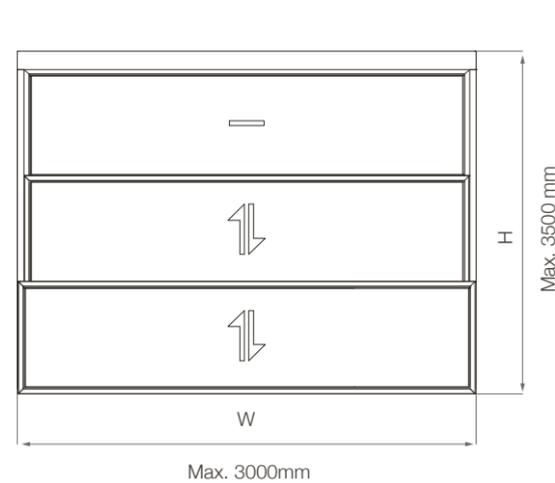


Internal View

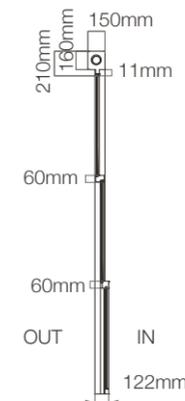


Lateral Section

Insulated Double Glass 4+12+4 mm (width 2000-3000 mm max.)

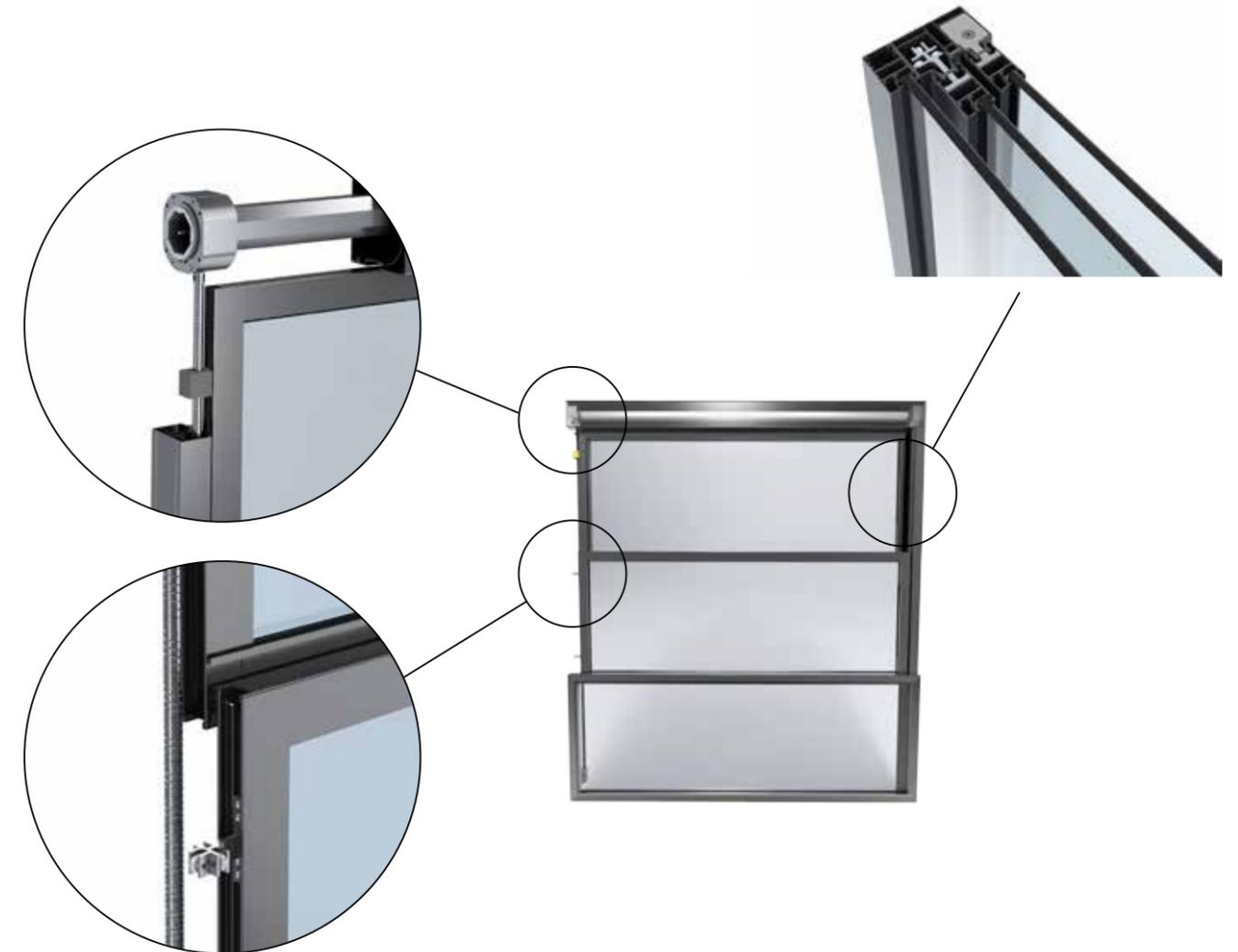


Internal View



Lateral Section

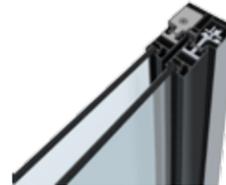
Worm Shaft Technology



- The patented Worm Shaft technology eliminates the trembling and gives smooth movement even on large dimensions with its maintenance-free mechanism.
- This smart technology provides high degree safety compared to other working mechanism based on belts, chains and ropes.
- Gearbox system transfers the movement from the gear to the worm shaft mechanism and ensures the continuation of the movement.
- System has pure balanced up/down operation thanks to strengthened counterweight movement mechanism. Second panel supported by three-wheeled slider and ensures vibration-free movement.
- Depending on application, panels can be operated & stacked either upwards or downwards. Alternative opening-stacking configurations provide various range of spacious living area options.

Technical Details

2 Panels



| Description | Glazing Type |
|----------------------------------|---|
| Glazing | Standard 8mm Tempered / Optional 10mm Tempered and 4+12+4mm/5+10+5mm Insulated. |
| Max. movable glazed frame weight | 110kg |
| Max. height | 300cm |
| Max. width | 400cm (Min width :120cm) |
| Max. size | 12 sqm |
| Surface finish | Electrostatic powder-coating |
| Motor type | 220 VAC 50/60Hz Tubular motor 85NM or 120NM Direct Drive |
| Control | Switch, remote or smart control options |

| Description | Glazing Type |
|--------------------------|--|
| Standard Glazing | 8mm Tempered Clear Glass |
| Large Span Glazing | 10mm Tempered Clear Glass |
| Double Insulated Glazing | 4mm T + 12mm air gap + 4mm T 5mm T + 10mm air gap + 5mm T |

3 Panels



| Description | Glazing Type |
|----------------------------------|---|
| Glazing | Standard 8mm Tempered / Optional 10mm Tempered and 4+12+4mm/5+10+5mm Insulated. |
| Max. movable glazed frame weight | 220kg |
| Max. height | 350cm |
| Max. width | 400cm (Min width :120cm) |
| Max. size | 12 sqm |
| Surface finish | Electrostatic powder-coating |
| Motor type | 220 VAC 50/60Hz Tubular motor 85NM or 120NM Direct Drive |
| Control | Switch, remote or smart control options |

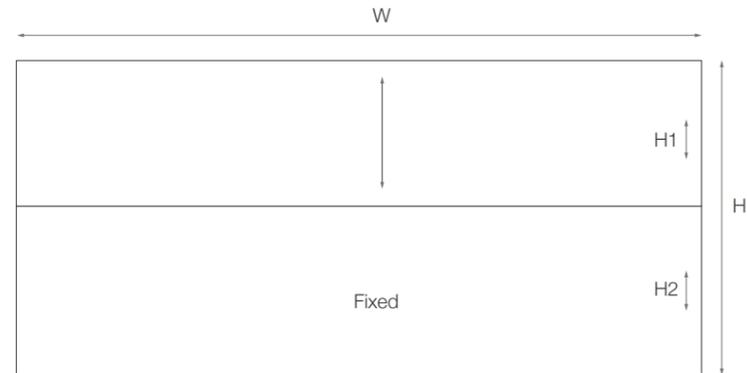
| Description | Glazing Type |
|--------------------------|--|
| Standard Glazing | 8mm Tempered Clear Glass |
| Large Span Glazing | 10mm Tempered Clear Glass |
| Double Insulated Glazing | 4mm T + 12mm air gap + 4mm T 5mm T + 10mm air gap + 5mm T |

Company Name:
Order Reference:

Order Date:

DIMENSIONS

Width :.....mm Height :.....mm Quantity :.....pc
 W :.....mm H :.....mm Q :.....pc
 : : :
 : : :



If panels are in different height,
please provide details.
(H1 ≤ H2)

H1 :.....mm
H2 :.....mm

*Only down position parking is available.

GLASS TYPES

- Single Glass
 - 8mm 10mm
- Double Glass (4+12+4mm / 5+10+5mm)
- Preassembled Frame Without Glass
 - 8mm 10mm 4+12+4mm/5+10+5mm

POWDER-COAT COLORS

- | 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 | |

GLASS COLORS

- TR22 / Transparent
- SM33 / Smoked
- GN44 / Green
- BL55 / Blue
- BR66 / Bronze
- Other.....

AUTOMATION

- | | | |
|--|---|---|
| <input type="checkbox"/> SWITCH CONTROL | <input type="checkbox"/> REMOTE CONTROL | <input type="checkbox"/> SMART CONTROL |
| <input type="checkbox"/> Inis Keo.....pc | <input type="checkbox"/> Telis 1 Pure RTS.....pc | <input type="checkbox"/> Situo 1 IO Pure.....pc |
| <input type="checkbox"/> Inis Duo.....pc | <input type="checkbox"/> Telis 4 Pure RTS.....pc | <input type="checkbox"/> Situo 5 IO Pure.....pc |
| | <input type="checkbox"/> Telis 16 Pure RTS.....pc | <input type="checkbox"/> NINA IO.....pc |
| | | <input type="checkbox"/> Thamo New Box.....pc |
| | | <input type="checkbox"/> Connexoon Box.....pc |

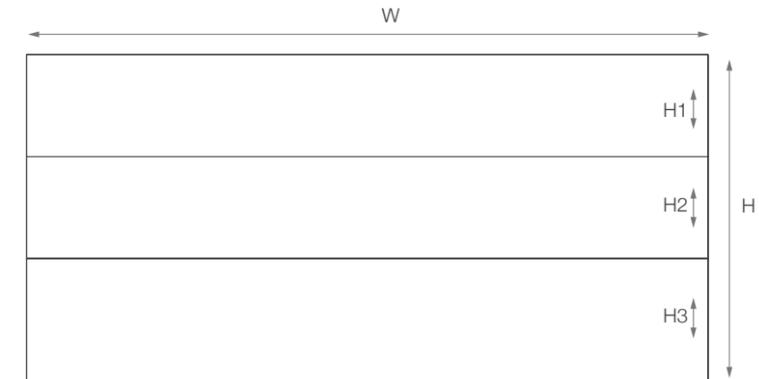
ADDITIONAL NOTES & DRAWINGS ATTACHED

Company Name:
Order Reference:

Order Date:

DIMENSIONS

Width :.....mm Height :.....mm Quantity :.....pc
 W :.....mm H :.....mm Q :.....pc
 : : :
 : : :



PARKING

- Down
(H1 ≤ H2 ≤ H3)
- Up
(H3 ≤ H2 ≤ H1)
*Available with max. 3000mm width
- If panels are in different height,
please provide details.

H1 :.....mm
H2 :.....mm
H3 :.....mm

GLASS TYPES

- Single Glass
 - 8mm 10mm
- Double Glass (4+12+4mm / 5+10+5mm)
- Preassembled Frame Without Glass
 - 8mm 10mm 4+12+4mm/5+10+5mm

POWDER-COAT COLORS

- | 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 | |

GLASS COLORS

- TR22 / Transparent
- SM33 / Smoked
- GN44 / Green
- BL55 / Blue
- BR66 / Bronze
- Other.....

AUTOMATION

- | | | |
|--|---|---|
| <input type="checkbox"/> SWITCH CONTROL | <input type="checkbox"/> REMOTE CONTROL | <input type="checkbox"/> SMART CONTROL |
| <input type="checkbox"/> Inis Keo.....pc | <input type="checkbox"/> Telis 1 Pure RTS.....pc | <input type="checkbox"/> Situo 1 IO Pure.....pc |
| <input type="checkbox"/> Inis Duo.....pc | <input type="checkbox"/> Telis 4 Pure RTS.....pc | <input type="checkbox"/> Situo 5 IO Pure.....pc |
| | <input type="checkbox"/> Telis 16 Pure RTS.....pc | <input type="checkbox"/> NINA IO.....pc |
| | | <input type="checkbox"/> Thamo New Box.....pc |
| | | <input type="checkbox"/> Connexoon Box.....pc |

ADDITIONAL NOTES & DRAWINGS ATTACHED

SLIDING GLASS

Give modern appeal and depth to spaces...

Sliding Glass System is a stylish and practical closing solution that can be integrated into structures and presents you indoor coziness along with outdoor coolness.

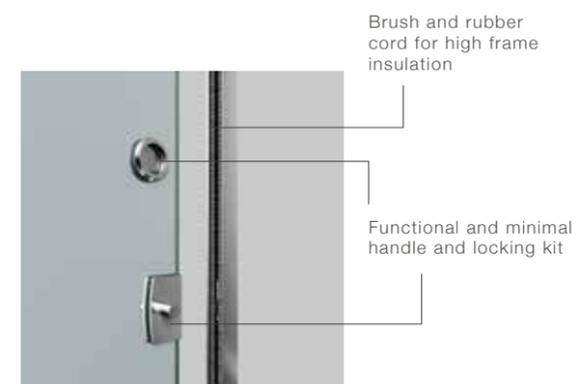
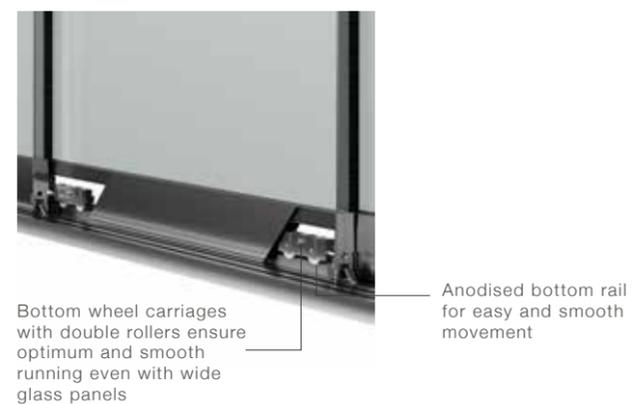
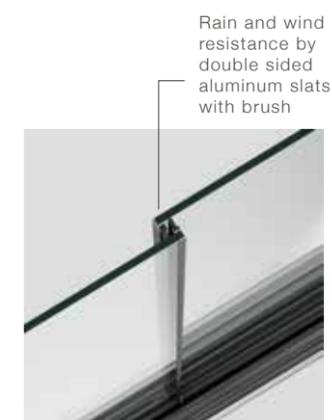
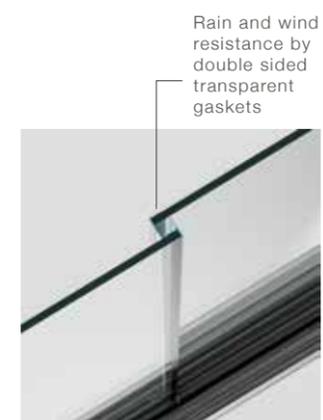
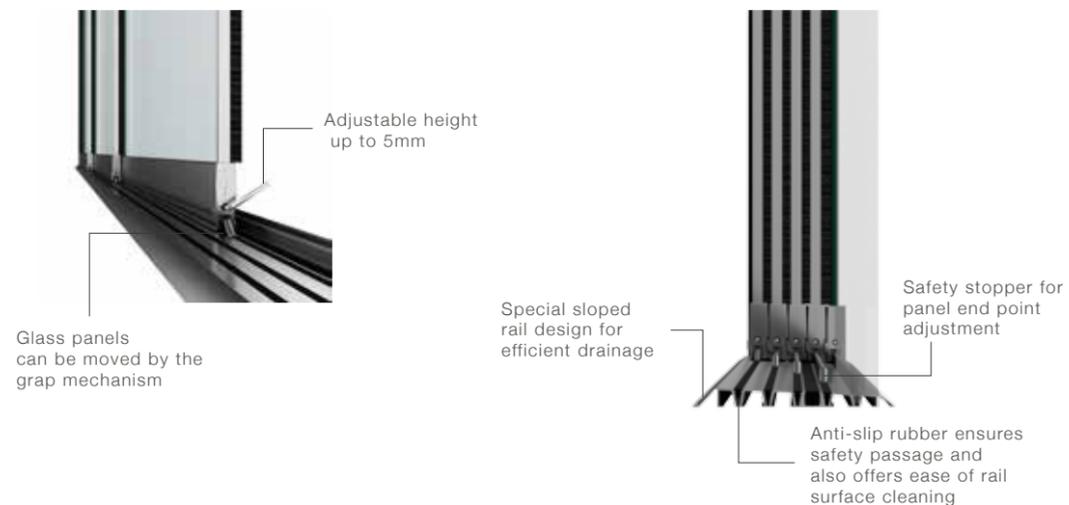
Sliding system enables the individual parallel sliding panels to be moved horizontally. By opening and closing of first sliding panel, the other sliding panels are automatically opened and closed by integrated subsequent panels. The floor-mounted construction means that a wide open area can be covered without additional roof supports.

The bottom wheel carriages ensure optimum and smooth running of the individual sliding panels. Height compensation of the ceiling rail up to 20 mm and height adjustment of the rollers up to 5 mm allows the sliding system to compensate for potential subsidence in the eaves or a lintel easily.

The sliding glass can be easily matched with attractive look you aspire with variety of rail and panel types. The system can be slided to one side or both sides as you desire.



SLIDING GLASS





Company Name:
Order Reference:

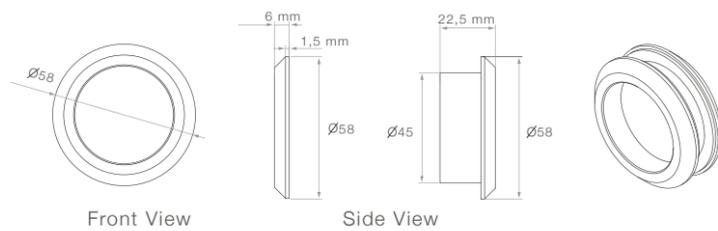
Order Date:

DIMENSIONS

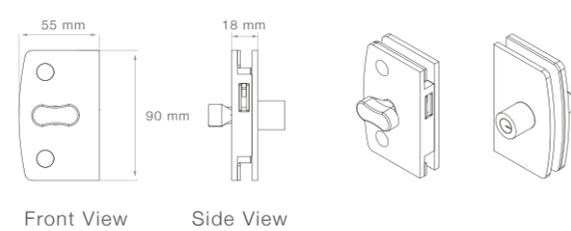
Width :.....mm Height :.....mm Quantity :.....pc
 W :.....mm H :.....mm Q :.....pc
 : : :
 : : :

Single Glass Handle Types

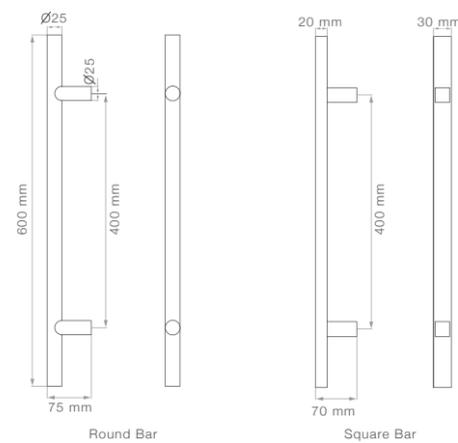
Flush Circle Handle



Sliding Glass Lock Types



Push & Pull Bar



PANEL TYPES

| | | | | | |
|-------------|---|---|---|--|---|
| Single Side | <input type="checkbox"/> 3 Rails 2 Panels | <input type="checkbox"/> 3 Rails 3 Panels | <input type="checkbox"/> 5 Rails 4 Panels | <input type="checkbox"/> 5 Rails 5 Panels | SLIDE DIRECTIONS Single Side <input type="checkbox"/> RX to LX <input type="checkbox"/> LX to RX |
| | | | | | |
| Double Side | <input type="checkbox"/> 3 Rails 4 Panels | <input type="checkbox"/> 3 Rails 6 Panels | <input type="checkbox"/> 5 Rails 8 Panels | <input type="checkbox"/> 5 Rails 10 Panels | Double Side *Center to RX and LX |
| | | | | | |

POWDER-COAT COLORS

- | | | | |
|-------------------------------|--------------------------------|---------------------------------|------------------------------------|
| RAL colors | Exclusive colors | Texture colors | <input type="checkbox"/> Other ... |
| <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | |
| <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 | |

HANDLE TYPE

- Flush Circle Handle
- Push & Pull Bar
 - Round Bar
 - Square Bar

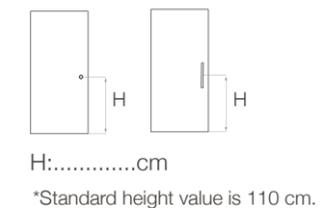
PANEL INSULATION TYPE

- Transparent Gasket
- Transparent Gasket with Brush
- Aluminum Slat with Brush

GLASS COLORS

- TR22 / Transparent
- SM33 / Smoked
- GN44 / Green
- BL55 / Blue
- BR66 / Bronze
- Other.....

HANDLE POSITION



ADDITIONAL NOTES & DRAWINGS ATTACHED

SLIDING FRAME GLASS

The Framed Sliding glass system is made of fine-framed aluminum profiles with modern design & suitable especially for large-area applications and completed with stylish and functional accessories perfectly matching with modern architectural living spaces. System offers a comfortable sliding with silent movement and allows individual sliding panels to be moved horizontally to one side or both in parallel.



Company Name:
Order Reference:

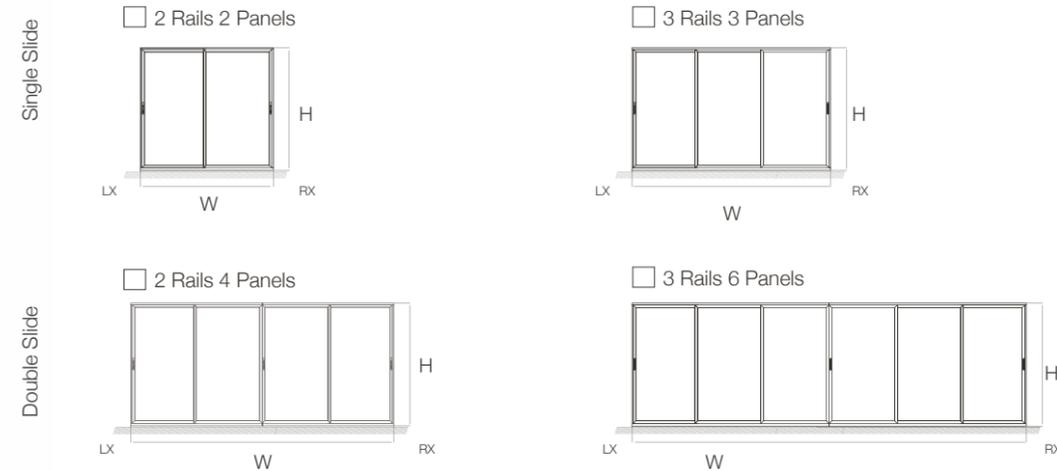
Order Date:
Quantity:



DIMENSIONS

W - Width :.....mm
H - Height :.....mm

PANEL TYPES



SLIDE DIRECTIONS

Single Side Direction
 RX to LX
 LX to RX

Double Side Direction
*Center to RX and LX

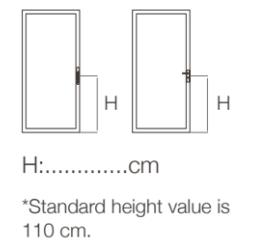
POWDER-COAT COLORS

- | 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 | |

HANDLE - LOCK TYPE

- Flush Handle / Lock
 - Handle With Button Lock
 - Handle With Key Lock
- Pull Handle / Lock
 - Handle Without Lock
 - Handle With Key Lock
 - Handle With Allen Lock

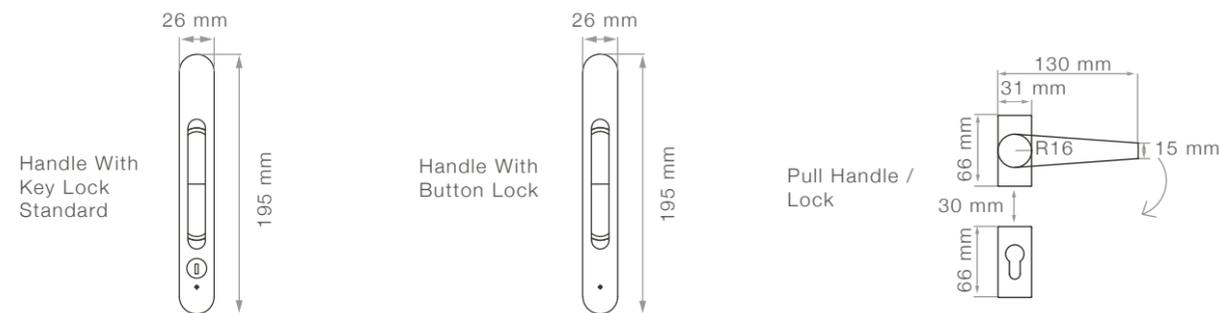
HANDLE POSITION



GLASS COLORS

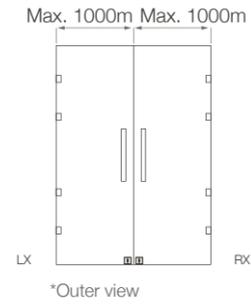
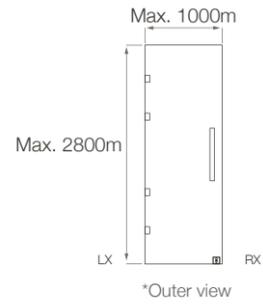
- TR22 / Transparent
- SM33 / Smoked
- GN44 / Green
- BL55 / Blue
- BR66 / Bronze
- Other.....

Frame Glass Handle - Lock Types

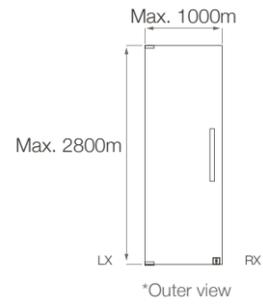


ADDITIONAL NOTES & DRAWINGS ATTACHED

Glass Door



Single Slide (Hinged)



Double Slide (Hinged)

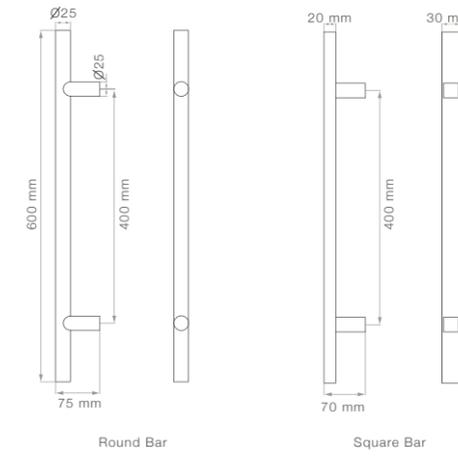


Single Slide (Hydraulic)

Double Slide (Hydraulic)

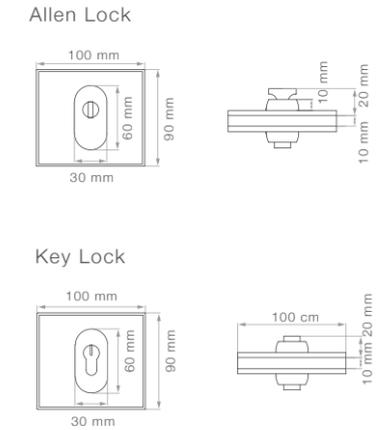
Sliding Glass Handle Types

Push & Pull Bar

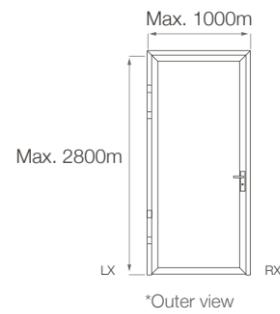


Sliding Glass Lock Types

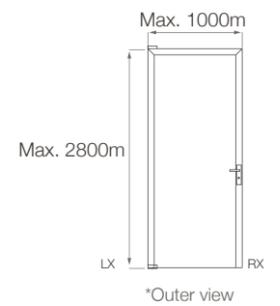
Square Floor Installed



Frame Door

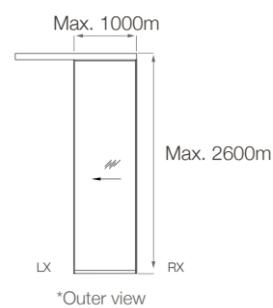


Single Slide (Hinged)

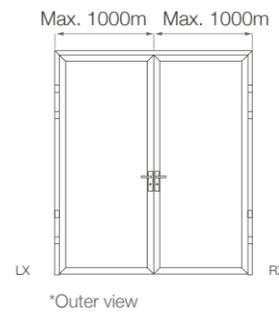


Single Slide (Hydraulic)

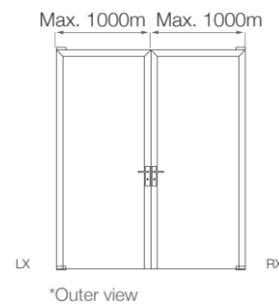
Photocell Door



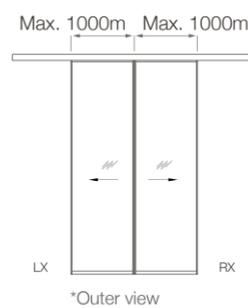
Single Slide



Double Slide (Hinged)



Double Slide (Hydraulic)



Double Slide

Only movable panels are included. Fixed panels are not included.

Company Name:
Order Reference:

Order Date:
Quantity:

DOOR TYPE

- Single Panel
- Double Panel

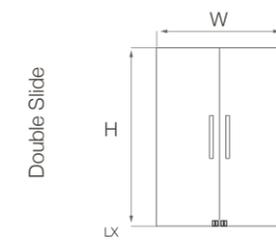
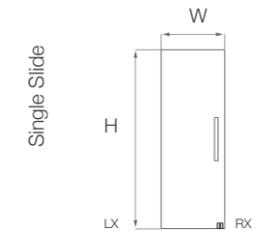
DIMENSIONS

W - Width :.....mm
H - Height :.....mm

GLASS TYPE

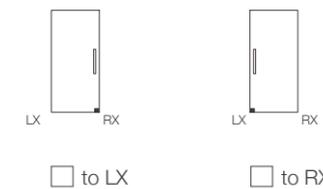
*Single Glass (10mm)

PANEL TYPES

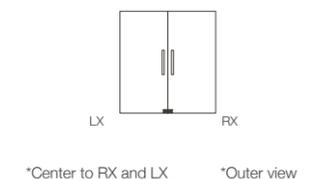


SLIDE DIRECTIONS

Single Side Direction



Double Side Direction



POWDER-COAT COLORS

RAL colors

- 9016
- 1013
- 9006
- 7006
- 7016
- 9005

Exclusive colors

- OGN35
- OS561
- OY395
- OGN39
- ON617
- ON611

Texture colors

- ST9010
- ST9001
- ST1013
- ST7039
- ST7016
- ST8019

Other ...

HANDLE TYPE

- Flush Circle Handle
- Push & Pull Bar
- Round Bar
- Square Bar

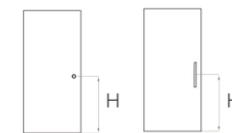
LOCK TYPE

- Key Lock
 - Square Floor Installed
 - Round Center Installed
- Allen Lock
 - Square Floor Installed
 - Round Center Installed

GLASS COLORS

- TR22 / Transparent
- SM33 / Smoked
- GN44 / Green
- BL55 / Blue
- BR66 / Bronze
- Other.....

HANDLE POSITION



H:.....cm

*Standard height value is 110 cm.

ADDITIONAL NOTES & DRAWINGS ATTACHED

*Price will be determined according to project details.

Company Name:
Order Reference:

Order Date:
Quantity:

Company Name:
Order Reference:

Order Date:
Quantity:

- | | | |
|---------------------------------------|---------------------|---------------------------|
| DOOR TYPE | DIMENSIONS | GLASS TYPES |
| <input type="checkbox"/> Single Panel | W - Width :.....mm | *Double Glass (4+11+4 mm) |
| <input type="checkbox"/> Double Panel | H - Height :.....mm | |

OPENING DIRECTIONS

Single Side Direction

to LX

to RX

Double Side Direction

*Center to RX and LX *Outer view

SELF CLOSING

Without Closing Mechanism

With Closing Mechanism

In Out

| <p>POWDER-COAT COLORS</p> <table border="0"> <tr> <th>RAL colors</th> <th>Exclusive colors</th> <th>Texture colors</th> </tr> <tr> <td><input type="checkbox"/> 9016</td> <td><input type="checkbox"/> OGN35</td> <td><input type="checkbox"/> ST9010</td> </tr> <tr> <td><input type="checkbox"/> 1013</td> <td><input type="checkbox"/> OS561</td> <td><input type="checkbox"/> ST9001</td> </tr> <tr> <td><input type="checkbox"/> 9006</td> <td><input type="checkbox"/> OY395</td> <td><input type="checkbox"/> ST1013</td> </tr> <tr> <td><input type="checkbox"/> 7006</td> <td><input type="checkbox"/> OGN39</td> <td><input type="checkbox"/> ST7039</td> </tr> <tr> <td><input type="checkbox"/> 7016</td> <td><input type="checkbox"/> ON617</td> <td><input type="checkbox"/> ST7016</td> </tr> <tr> <td><input type="checkbox"/> 9005</td> <td><input type="checkbox"/> ON611</td> <td><input type="checkbox"/> ST8019</td> </tr> </table> <p><input type="checkbox"/> Other ...</p> | RAL colors | Exclusive colors | Texture colors | <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | <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 | <p>HANDLE - LOCK TYPE</p> <p><input type="checkbox"/> Pull Handle / Lock</p> <p style="margin-left: 20px;"><input type="checkbox"/> Handle Without Lock</p> <p style="margin-left: 20px;"><input type="checkbox"/> Handle With Key Lock</p> <p style="margin-left: 20px;"><input type="checkbox"/> Handle With Allen Lock</p> <p><input type="checkbox"/> Push & Pull Bar</p> <p style="margin-left: 20px;"><input type="checkbox"/> Round Bar</p> <p style="margin-left: 20px;"><input type="checkbox"/> Square Bar</p> | <p>HANDLE POSITION</p> <div style="text-align: center;"> <p>H:.....cm</p> <p>*Standard height value is 110 cm.</p> </div> |
|---|--------------------------------|---------------------------------|----------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|---|--|
| RAL colors | Exclusive colors | Texture colors | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | | | | | | | | | | | | | | | | | | | | | |
| <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 | | | | | | | | | | | | | | | | | | | | | |
| <p>GLASS COLORS</p> <p><input type="checkbox"/> TR22 / Transparent</p> <p><input type="checkbox"/> SM33 / Smoked</p> <p><input type="checkbox"/> GN44 / Green</p> <p><input type="checkbox"/> BL55 / Blue</p> <p><input type="checkbox"/> BR66 / Bronze</p> <p><input type="checkbox"/> Other.....</p> | | | | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL NOTES & DRAWINGS ATTACHED

*Price will be determined according to project details.

- | | | |
|---------------------------------------|---------------------|---------------------------|
| DOOR TYPE | DIMENSIONS | GLASS TYPES |
| <input type="checkbox"/> Single Panel | W - Width :.....mm | *Laminated Glass (4+4 mm) |
| <input type="checkbox"/> Double Panel | H - Height :.....mm | |

SLIDE DIRECTIONS

Single Side Direction

RX to LX

LX to LX

Double Side Direction

*Center to RX and LX

| <p>POWDER-COAT COLORS</p> <table border="0"> <tr> <th>RAL colors</th> <th>Exclusive colors</th> <th>Texture colors</th> </tr> <tr> <td><input type="checkbox"/> 9016</td> <td><input type="checkbox"/> OGN35</td> <td><input type="checkbox"/> ST9010</td> </tr> <tr> <td><input type="checkbox"/> 1013</td> <td><input type="checkbox"/> OS561</td> <td><input type="checkbox"/> ST9001</td> </tr> <tr> <td><input type="checkbox"/> 9006</td> <td><input type="checkbox"/> OY395</td> <td><input type="checkbox"/> ST1013</td> </tr> <tr> <td><input type="checkbox"/> 7006</td> <td><input type="checkbox"/> OGN39</td> <td><input type="checkbox"/> ST7039</td> </tr> <tr> <td><input type="checkbox"/> 7016</td> <td><input type="checkbox"/> ON617</td> <td><input type="checkbox"/> ST7016</td> </tr> <tr> <td><input type="checkbox"/> 9005</td> <td><input type="checkbox"/> ON611</td> <td><input type="checkbox"/> ST8019</td> </tr> </table> <p><input type="checkbox"/> Other ...</p> | RAL colors | Exclusive colors | Texture colors | <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | <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 | <p>CONTROL TYPE</p> <p><input type="checkbox"/> Double Sided Transition</p> <p><input type="checkbox"/> One Side Button</p> <p><input type="checkbox"/> Double Side Button</p> |
|---|--------------------------------|---------------------------------|----------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|---|
| RAL colors | Exclusive colors | Texture colors | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 9016 | <input type="checkbox"/> OGN35 | <input type="checkbox"/> ST9010 | | | | | | | | | | | | | | | | | | | | |
| <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 | | | | | | | | | | | | | | | | | | | | |
| <p>GLASS COLORS</p> <p><input type="checkbox"/> TR22 / Transparent</p> <p><input type="checkbox"/> SM33 / Smoked</p> <p><input type="checkbox"/> GN44 / Green</p> <p><input type="checkbox"/> BL55 / Blue</p> <p><input type="checkbox"/> BR66 / Bronze</p> <p><input type="checkbox"/> Other.....</p> | | | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL NOTES & DRAWINGS ATTACHED

*Price will be determined according to project details.

VERTEX 150 ZIP SYSTEM

Vertex is motorised external blind which is extremely durable, practical in use and provides great flexibility for outdoor and indoor living areas. System can be integrated for increased functionality of spaces such as restaurants, terraces, balconies, either private or commercial. Simple and stylish design of the system means it can be incorporated into new or existing buildings and Suntech systems with an extensive range of frame and fabric colour options.

Fully hidden motorisation system allows ultimate control of your living space with a single touch.

Thanks to clever interlocking parts and self-aligning side channels, each system offers a perfect fitting from edge to edge with no gaps and provides a stylish and simple finish. It also has specially designed zipper which is welded to the edges of the fabric to create seamless operation and control of sunlight. The zipper is securely held in the side channels which allows the fabric to run freely and quietly while preventing the fabric to pull out of the channel.





Vertex 150 Zip System

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

Configurations

Company Name:
Order Reference:

Order Date:

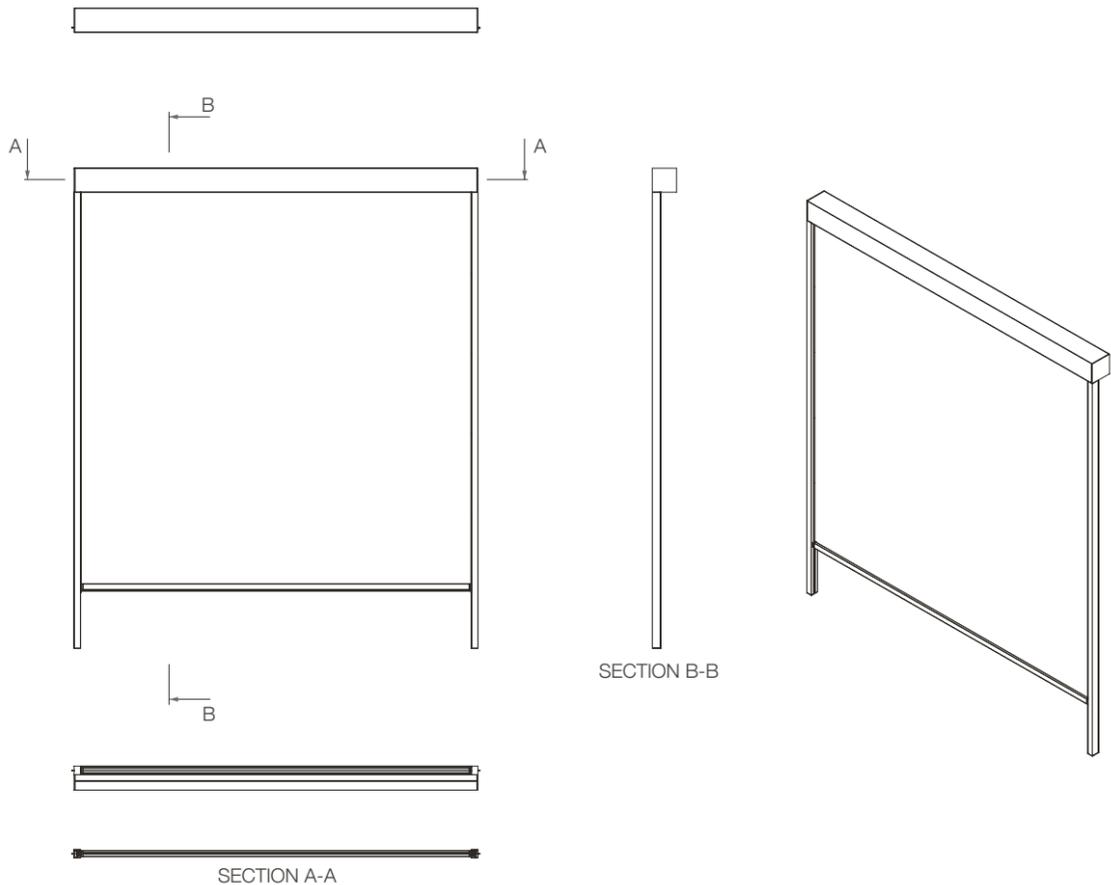


DIMENSIONS

Width :.....mm Height :.....mm Quantity :.....pc
 W :.....mm H :.....mm Q :.....pc
 : : :
 : : :



Section Details



POWDER-COAT COLORS

- | 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 COLORS

- | | |
|---|--|
| <input type="checkbox"/> SOLTIS 86 CODE..... | <input type="checkbox"/> SOLTIS W92 CODE..... |
| <input type="checkbox"/> SOLTIS 96 CODE..... | <input type="checkbox"/> SOLTIS W96 CODE..... |
| <input type="checkbox"/> CRYSTAL | |

SYSTEM POSITION

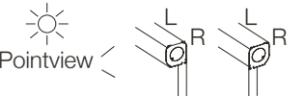
- | | |
|------------------------------|-----------------------------|
| <input type="checkbox"/> OUT | <input type="checkbox"/> IN |
| | |
| Pointview | Out In |

CABLE OUT

- TOP SIDE BOTTOM

MOTOR SIDE

- LEFT RIGHT



AUTOMATION

- | | | |
|--|---|---|
| <input type="checkbox"/> SWITCH CONTROL | <input type="checkbox"/> REMOTE CONTROL | <input type="checkbox"/> SMART CONTROL |
| <input type="checkbox"/> Inis Keo.....pc | <input type="checkbox"/> Telis 1 Pure RTS.....pc | <input type="checkbox"/> Situo 1 IO Pure.....pc |
| <input type="checkbox"/> Inis Duo.....pc | <input type="checkbox"/> Telis 4 Pure RTS.....pc | <input type="checkbox"/> Situo 5 IO Pure.....pc |
| | <input type="checkbox"/> Telis 16 Pure RTS.....pc | <input type="checkbox"/> NINA IO.....pc |
| | | <input type="checkbox"/> Thamo New Box.....pc |
| | | <input type="checkbox"/> Connexoon Box.....pc |

ADDITIONAL NOTES & DRAWINGS ATTACHED



SWIND Windbreaker

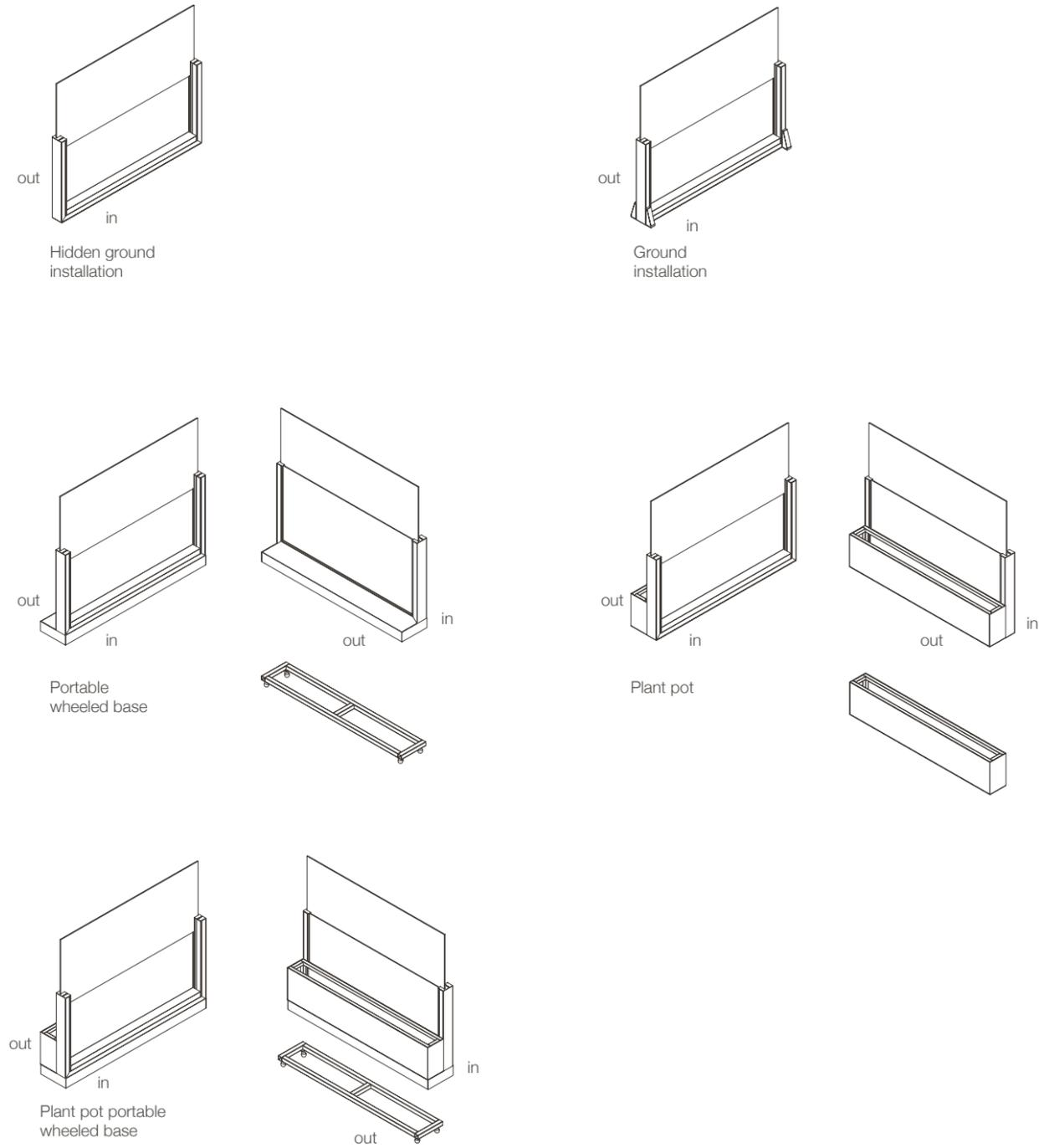
Definition of outdoor areas with wider panoramas

Swind has a simple and functional wind breaker design concept that expands your terrace, patio or open-air spaces to shield outdoor living areas by offering adequate wind breaking with the option of total transparency.

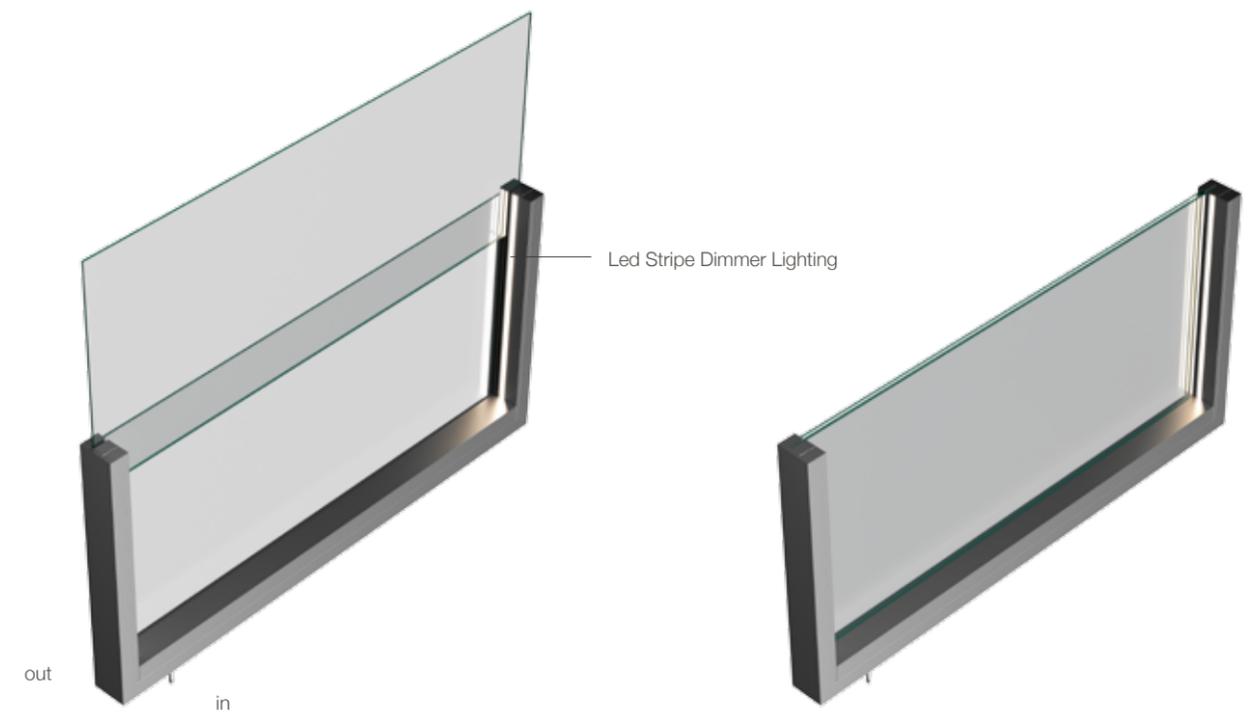
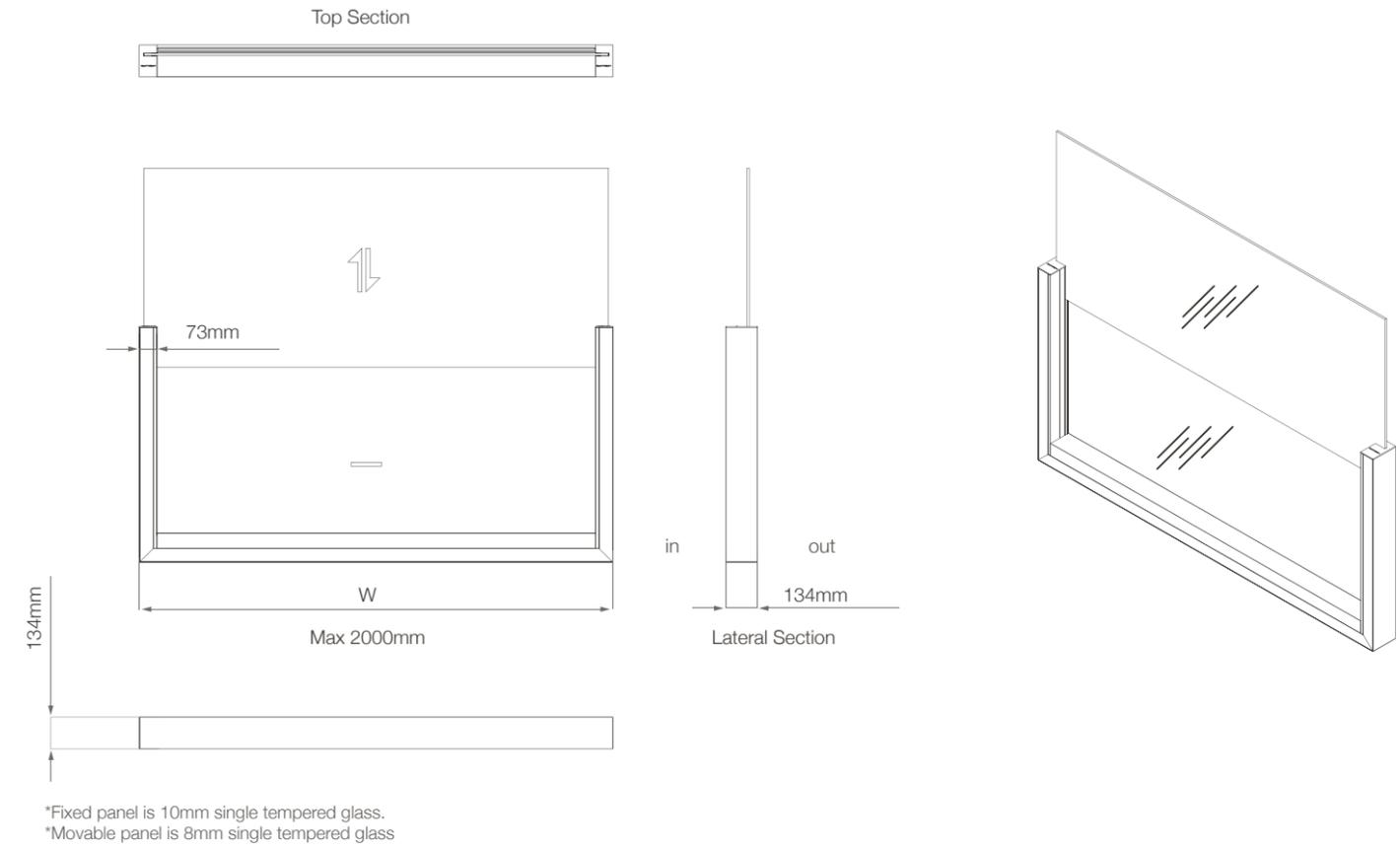
System is mostly preferred at restaurants, cafes and terraces either private or commercial as an automatic vertical up-down glass separator for outdoor spaces, besides fixed panel can also incorporate the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel 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. There are no vertical struts between moveable and fix panels that provides unobstructed view. The modules can be moved up-down individually or in groups by remote control and the position of movable panels can be adjusted according to desired height. The system can be fixed on the ground or can be portable with the wheeled base option, also a decorative harmony can be ensured with plant pot integration.

Installation & Base Options



Section Details

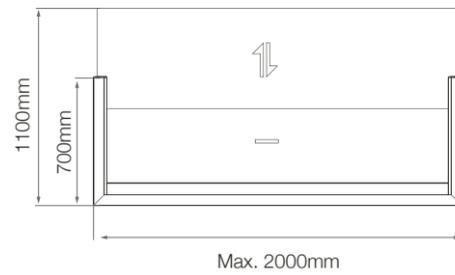


Configurations

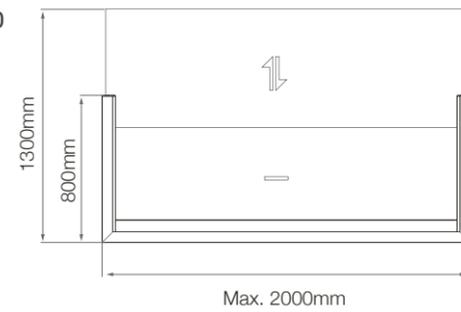
Company Name:
Order Reference:

Order Date:

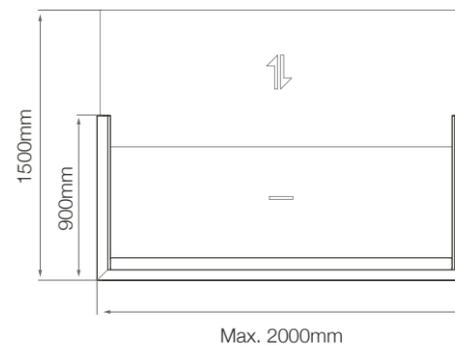
H70



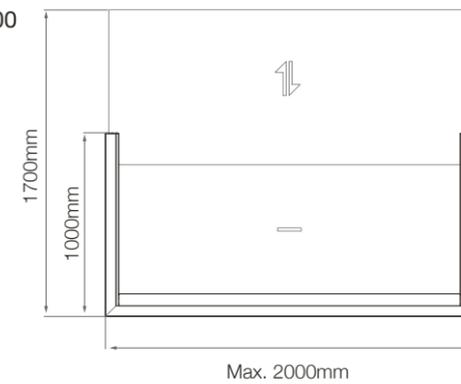
H80



H90



H100

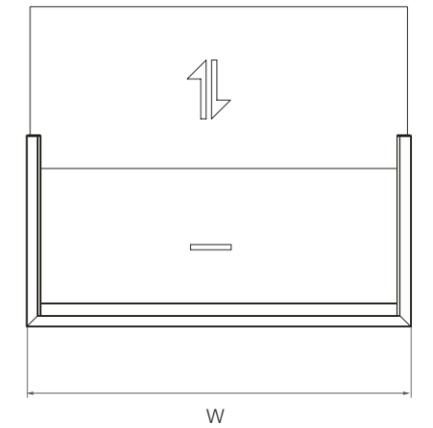


CONFIGURATIONS

- H70 H90
- H80 H100

DIMENSIONS

Width :.....mm Quantity :.....pc
 W :.....mm Q :.....pc
 :
 :



* Fixed panel is 10mm single, movable panel is 8mm single tempered glass

- With Glass
- Without Glass

POWDER-COAT COLORS

| 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 | |

GLASS COLORS

- TR22 / Transparent
- SM33 / Smoked
- GN44 / Green
- BL55 / Blue
- BR66 / Bronze
- Other.....

OPTIONAL

- Led Stripe Dimmer Lighting
 - Cool White - 5100K
 - Day Light - 2800K
- Ground Installation (Inox)
- Portable Wheeled Base
- Plant Pot
- Plant Pot Portable Wheeled Base

AUTOMATION

- SWITCH CONTROL
 - Inis Keo.....pc
 - Inis Duo.....pc
- REMOTE CONTROL
 - Telis 1 Pure RTS.....pc
 - Telis 4 Pure RTS.....pc
 - Telis 16 Pure RTS.....pc

ADDITIONAL NOTES & DRAWINGS ATTACHED

ALUMINUM

basic



RAL 9016



RAL 1013



RAL 9006



RAL 7006



RAL 7016



RAL 9005

exclusive



OGN35



OS561



OY395



OGN39



ON617



ON611

texture



ST9010



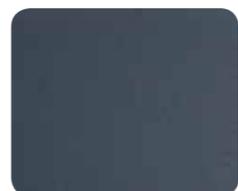
ST9001



ST1013



ST7039



ST7016



ST8019

blackout fabric

premium



PW213/White



PC211/Cream



PG209/Grey

basic



WT785/White



CR295/Cream

matt



MW23/White



MC26/Cappuccino

xclusive



WTEX/White



CRMX/Cream



GRYX/Grey

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.

Glass Colors



TR22 / Transparent



SM33 / Smoked



GN44 / Green



BL55 / Blue



BR66 / Bronze

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 23.03.2020 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 product, 2 years automation and 2 year 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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