



PRIVATE / CLOSURES

TECHNICAL CATALOGUE

The unique new generation architectural outdoor solutions with minimalist forms

Private 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.

Private 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.



Private Series

- Airlux
- Freedom
- Simplex
- Simplex Max
- Elegance
- Pergolux

Complementary closure solutions to be integrated contemporary Drelux product ranges or existing modern structures

Suntech's innovative Closure product range is serving hi-grade side enclosure solutions that can be integrated between any existing structures or pergola systems.

Closure serie is designed to present accomplished combination of minimal lines and functionality while providing visual optimisation.



Closures

- Saphir
- Cycle
- Windbreaker
- Glassfix
- Frame
- Slide
- Doors
- Vertiflex
- Alufix

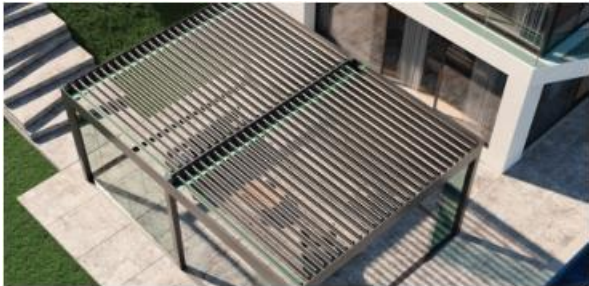
Private Serie

AIRLUX



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

SIMPLEX



A stylish modern system with tilting louvres

ELEGANCE



Smart aluminum louvered roof system with rotational motion function

FREEDOM



Elegant retractable bioclimatic system with extended dimensions

SIMPLEX MAX



An ultimated tilting system option for large area coverings

PERGOLUX



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

Closures

SAPHIR



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

CYCLE



Customized sleek wide panoramic structural glazing solution

WINDBREAKER



Windbreaker - Automatic vertical up-down glass panel.

GLASSFIX



Glass balustrade system with elegant and functional design.

FRAME



Made of fine-framed aluminum profiles with modern design.

SLIDE



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

VERTIFLEX



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

ALUFIX



Aluminium fixed wall privateness with minimal and outstanding design

MORE LUXURY...
MORE PROJECTS...





AIRLUX

Innovative, modern and functional outdoor patio solution...

Airlux 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.

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

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

Retractable & Tilting Version

Fully Closed



Retracted



Retracted & Tilted



Tilting Version

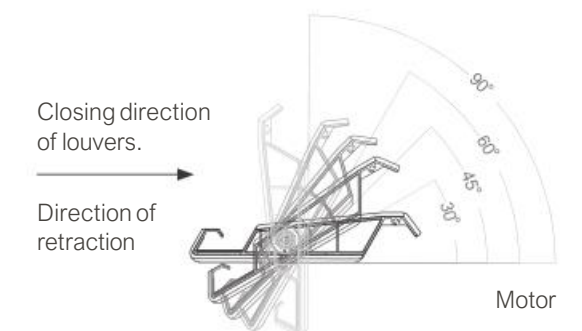
Fully Closed



Tilted



Louvre Closing Direction



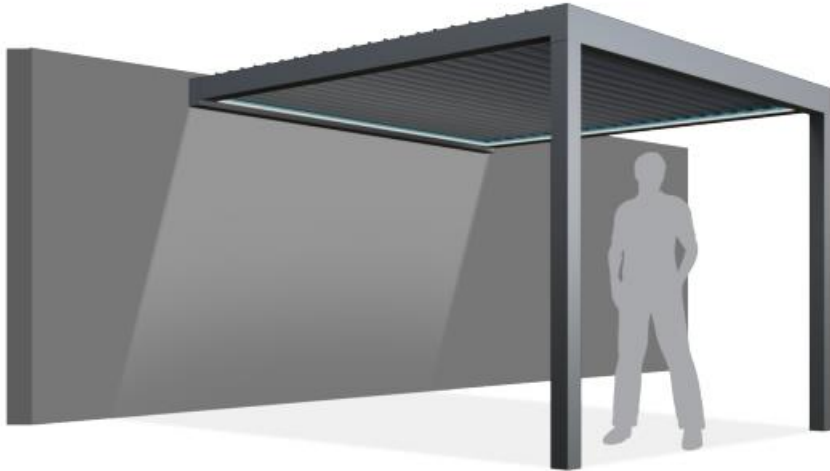
Tilting Directions



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



Self Standing
Single Module



Wall Mounting
Single Module



Self Standing
Multiple Modules



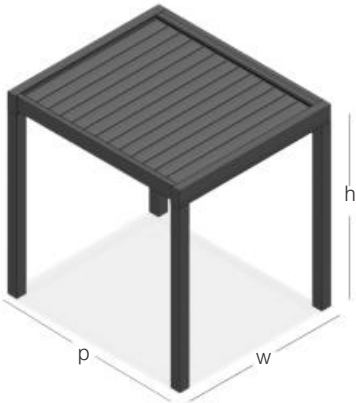
Wall Mounting
Multiple Modules



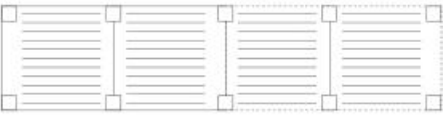
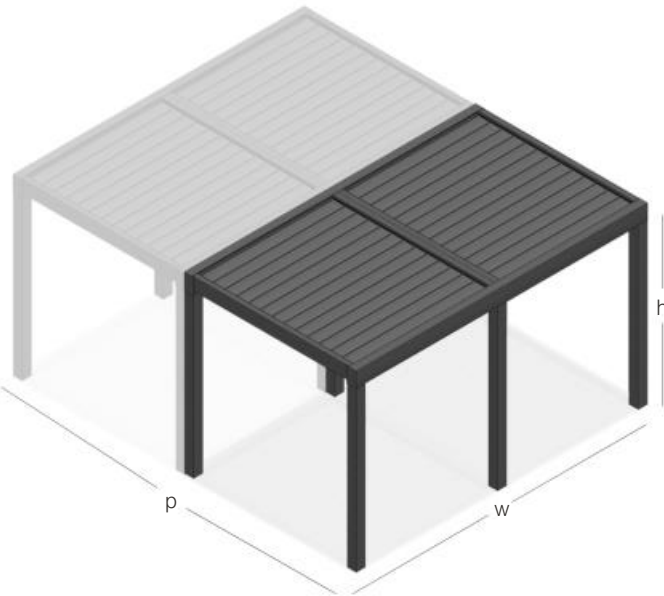
Blocked assembly for customized modules with a wide range of flexible combinations.



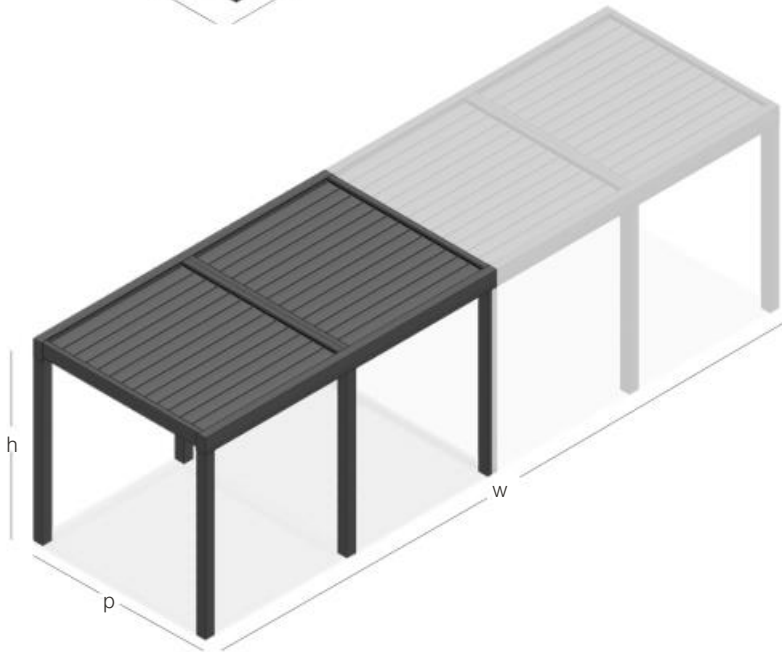
(w) Width
1800 mm < 4000 mm
(p) Projection
1569 mm < 6054 mm
(h) Height
3000 mm



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



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

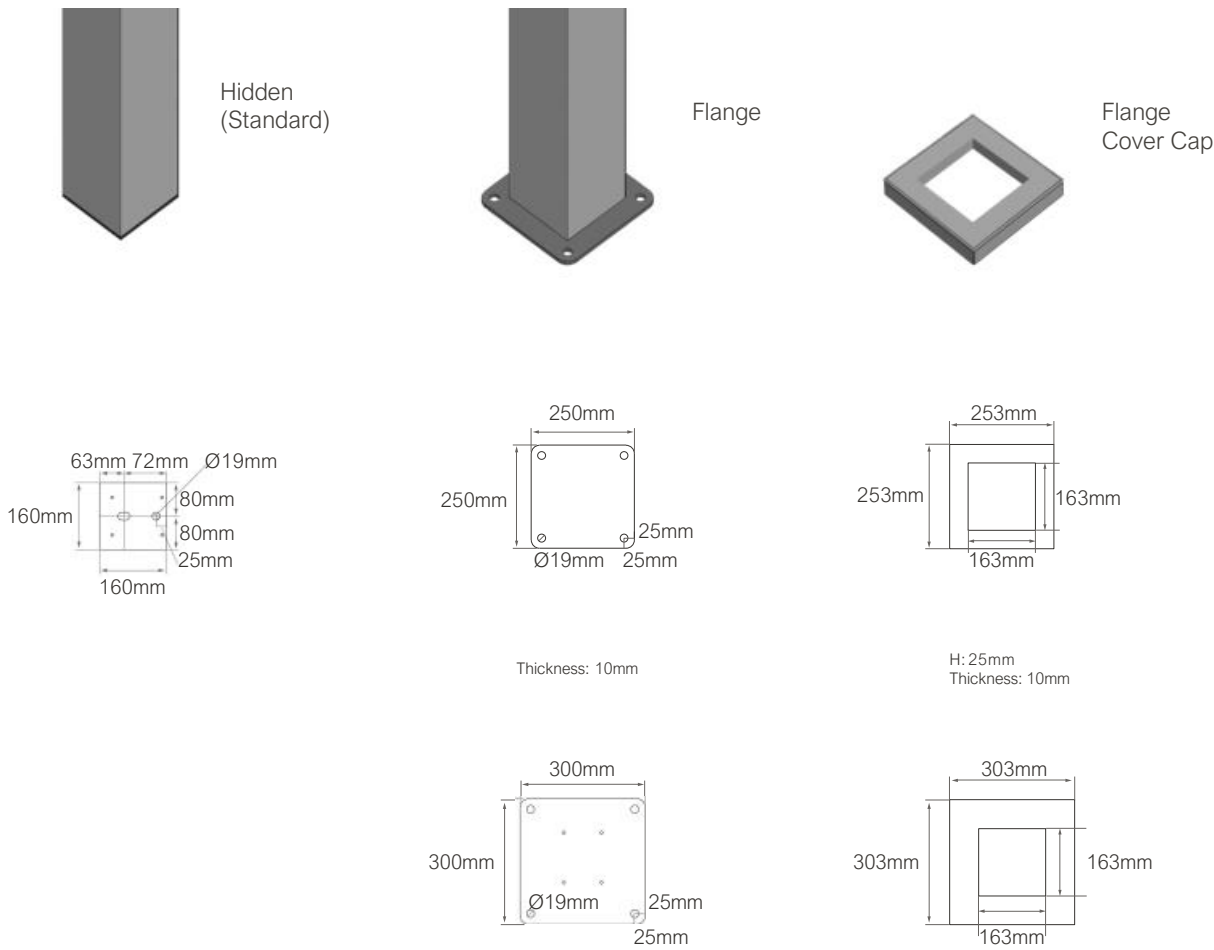


Intra-Column Drainage Pipe

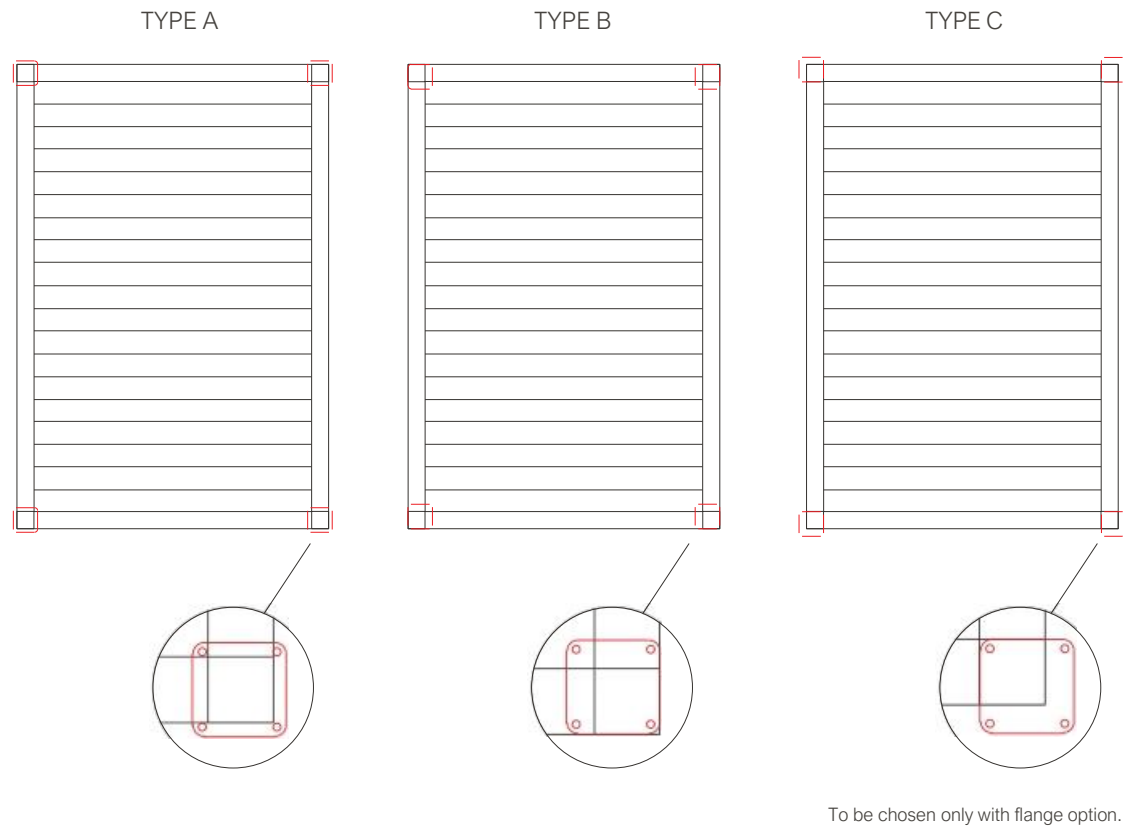
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



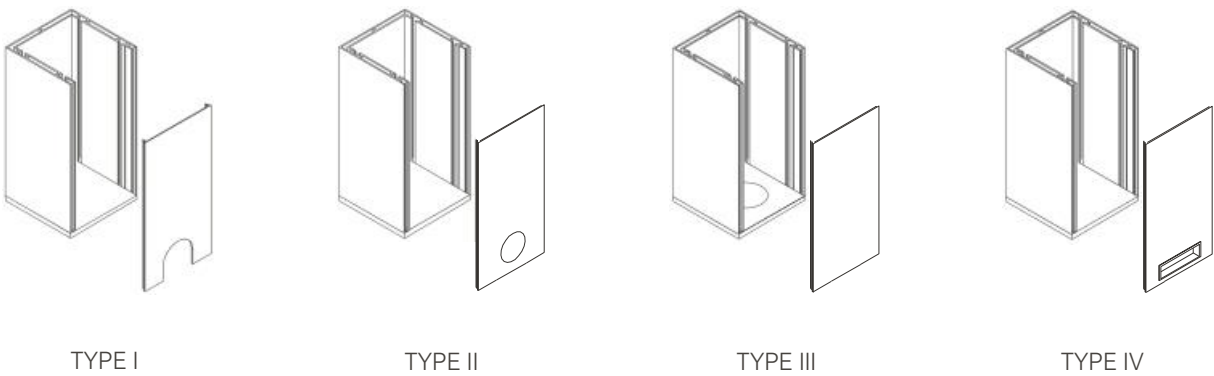
Column Base Options



Flange Positions

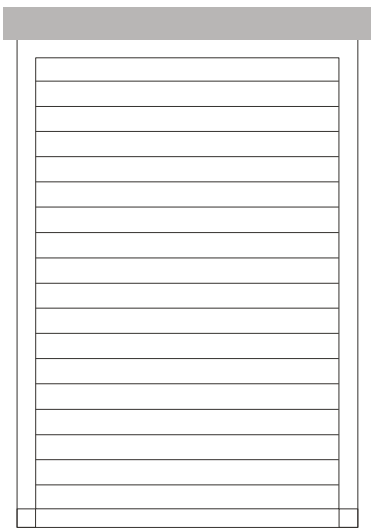


Drainage Types

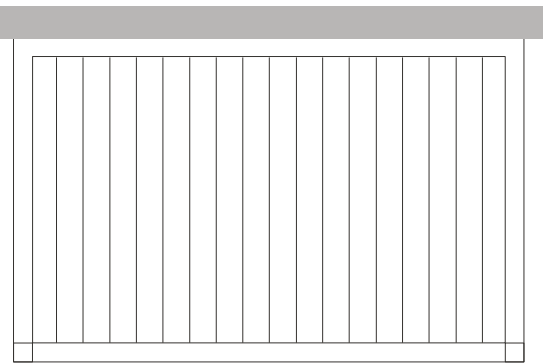


Wall Installation Louvre Positions

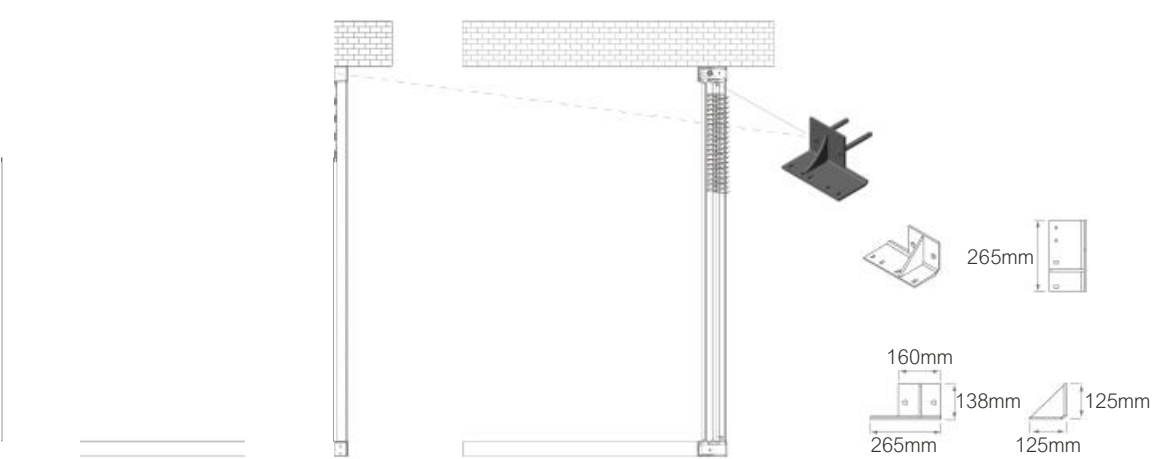
Parallel To Wall



Vertical To Wall

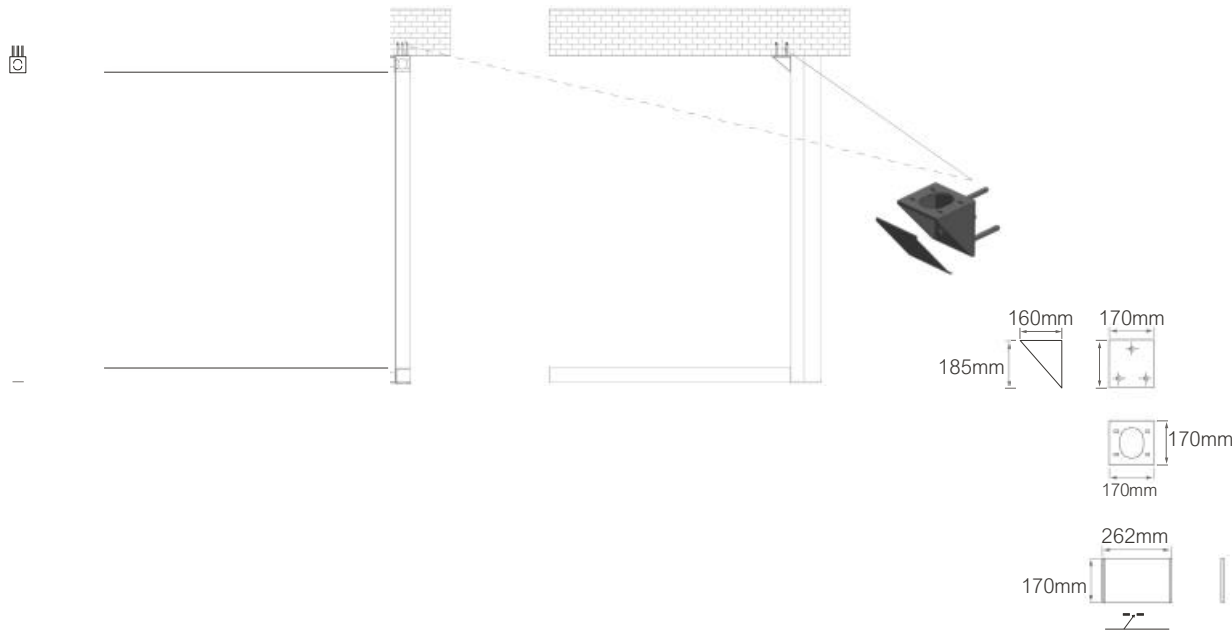


Inner (Hidden) Wall Bracket (Inox)

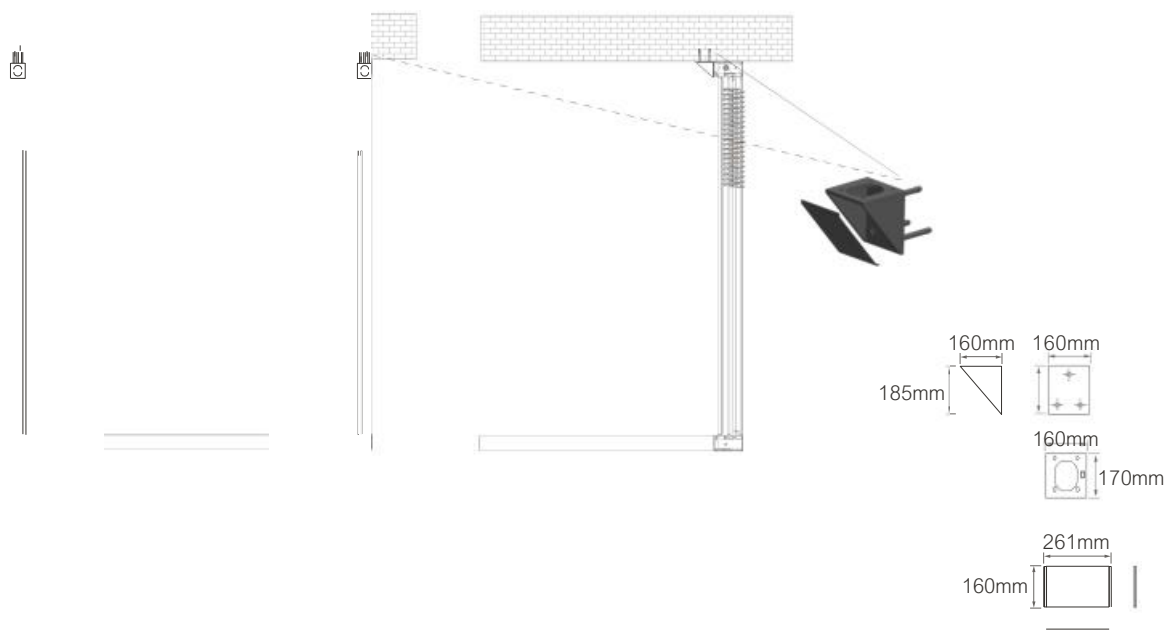


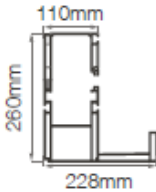
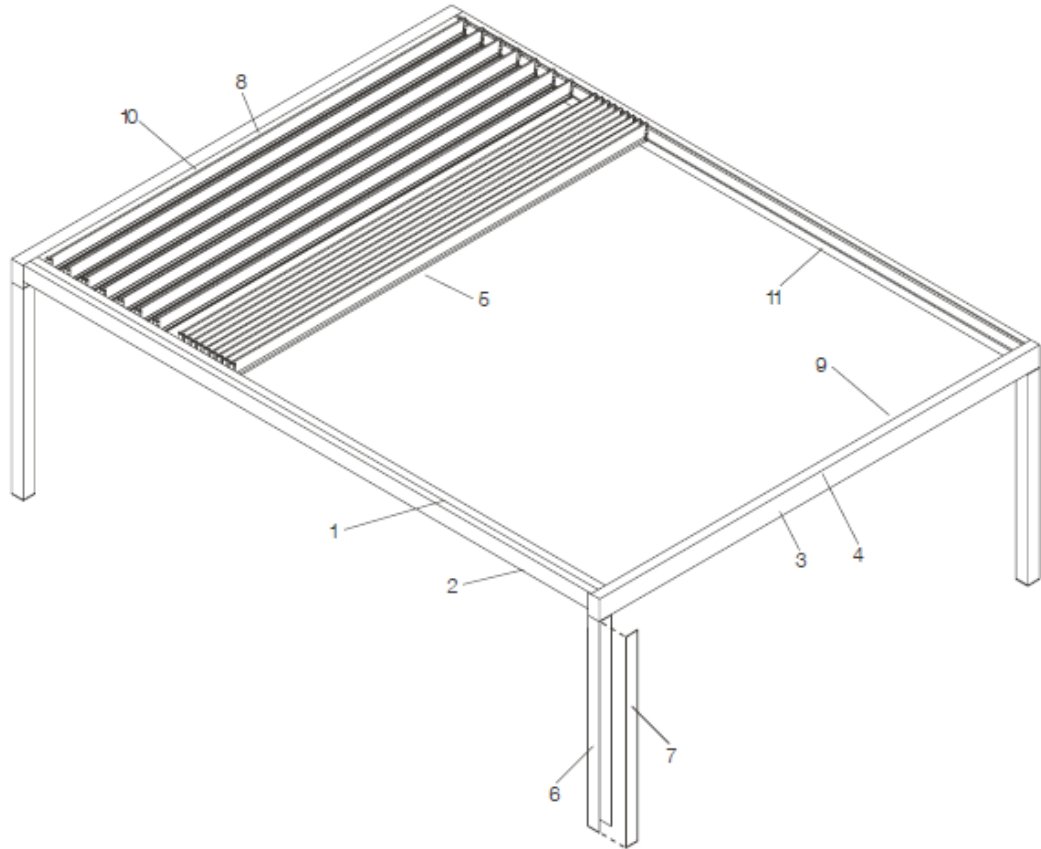
Hang Bracket Types

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



Parallel Mounting Outer Wall Bracket (Inox) With Optional Cap

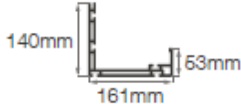




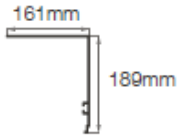
1 Rafter



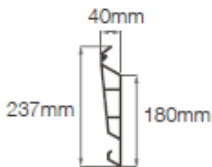
2 Rafter Side Cover



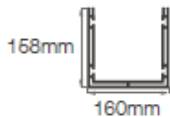
3 Front Gutter



4 Front Gutter Cover



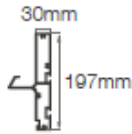
5 Louvre



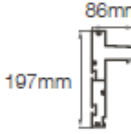
6 Post



7 Post Cap



8 Motorbox Support Bar



9 Front Gutter Support Bar

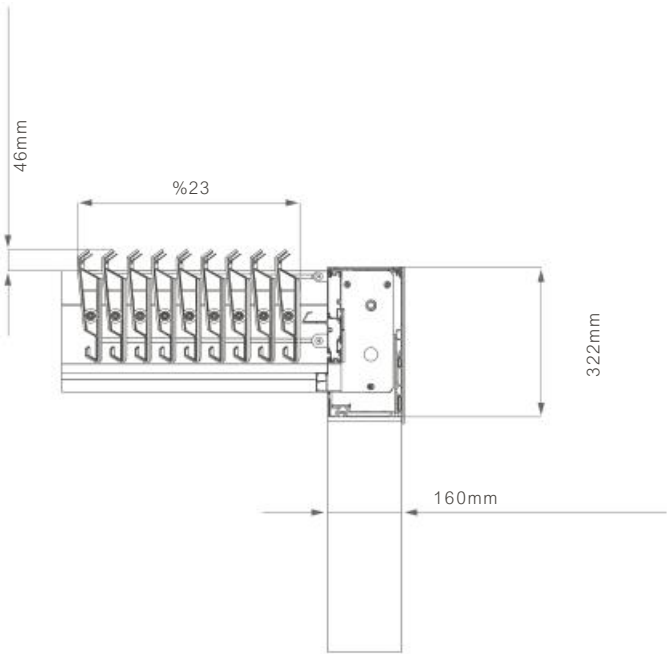


10 Lighting Stripe Profile (Width)



11 Lighting Stripe Profile (Projection)

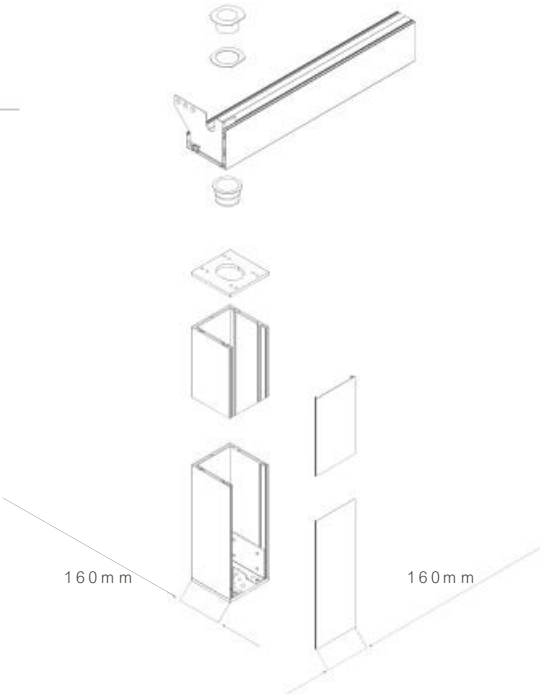
Side Elevation



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.

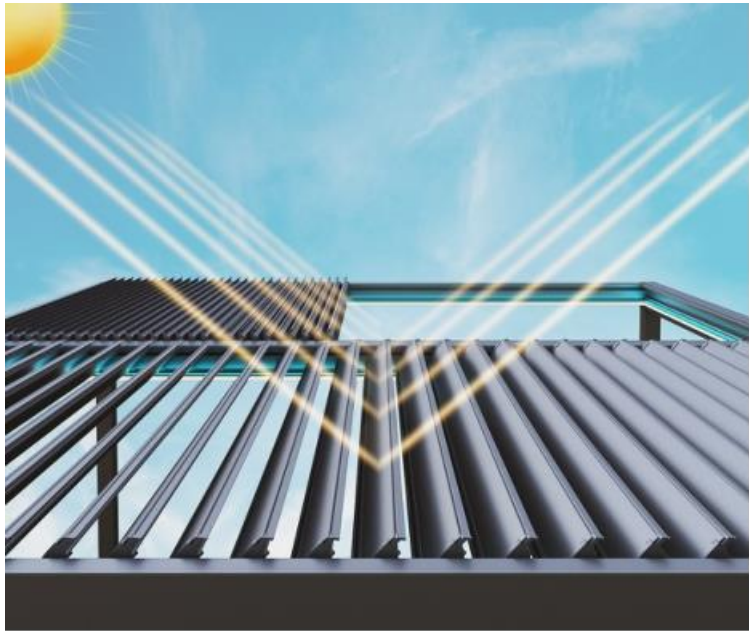




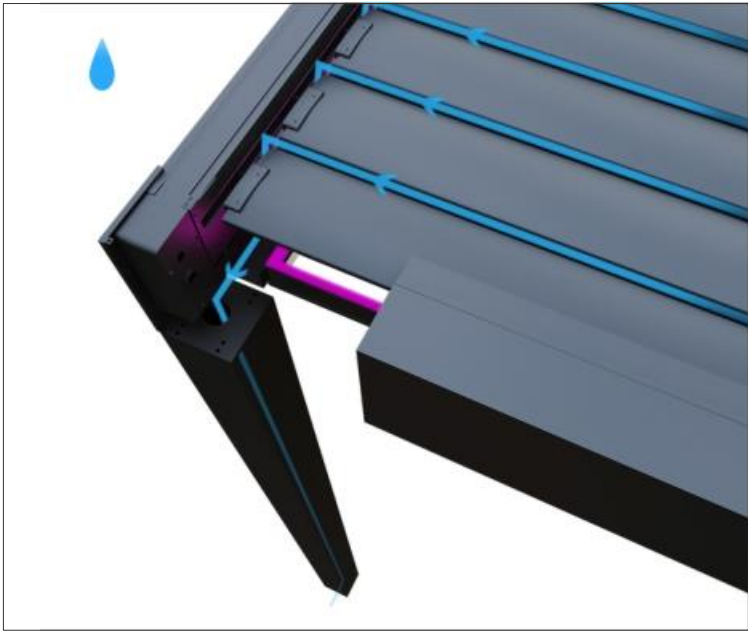
Slightly opening of louvres creates natural air flow for application areas.



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



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



Motorised Windbreaker System
Windbreaker can be combined with also Airlux 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.



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



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



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



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



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

Retractable & Tilting



Tilting



Dimension Ranges

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

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

Led Stripe
Dimmer Lighting

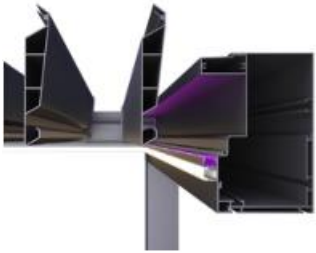
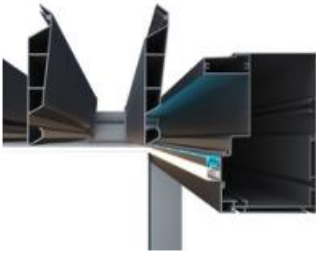
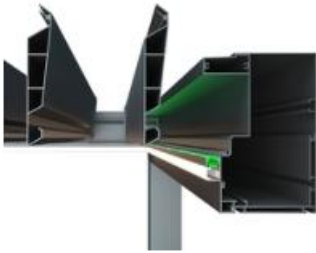
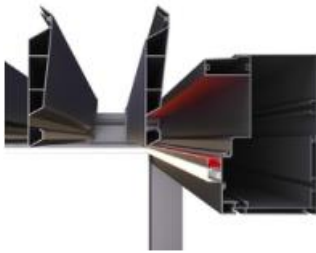


Cool White



Day Light

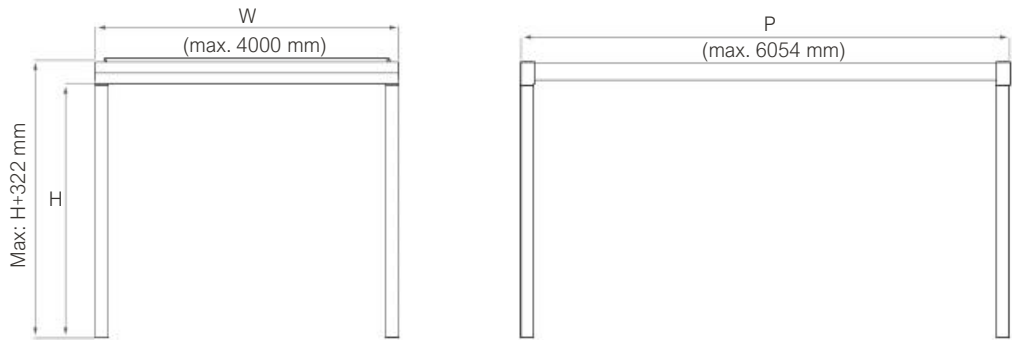
RGB Led-Hidden
Stripe Lighting



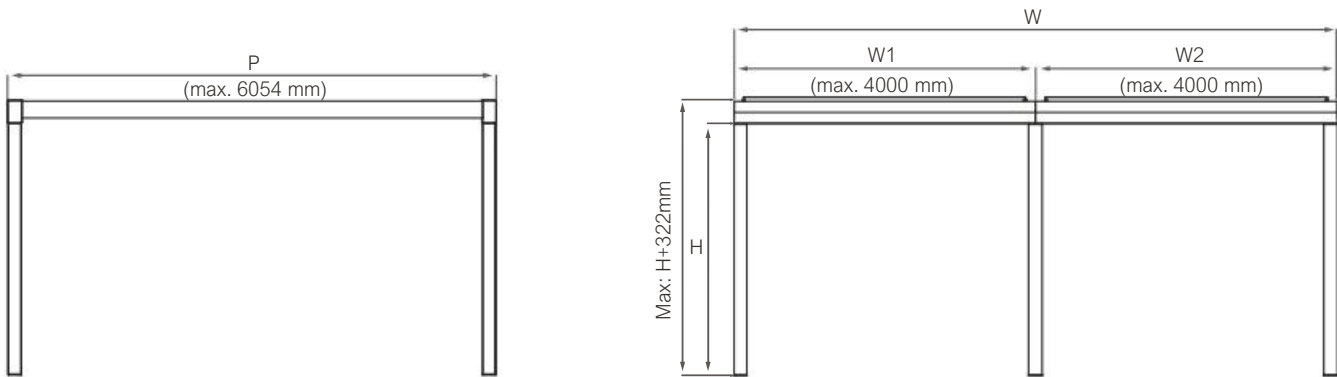
Insulation Foam



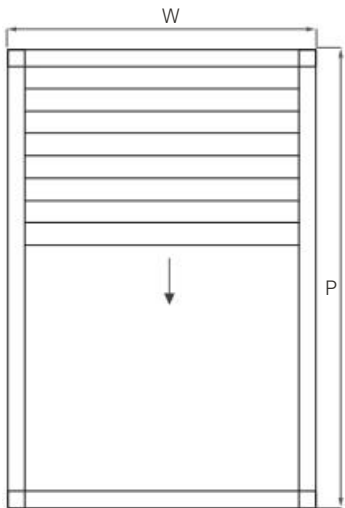
Single Module
W: 1800 mm < 4000 mm
P: 1569 mm < 6054 mm



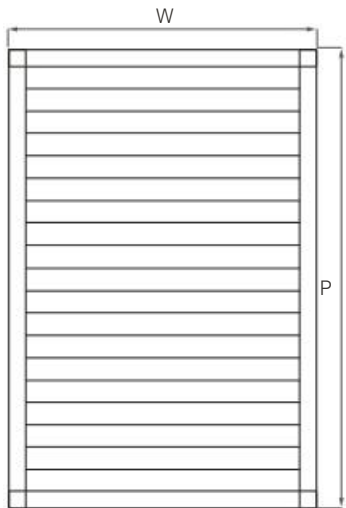
Multiple Modules Joining Type 1
W: 3600 mm < 8000 mm
P: 1569 mm < 6054 mm



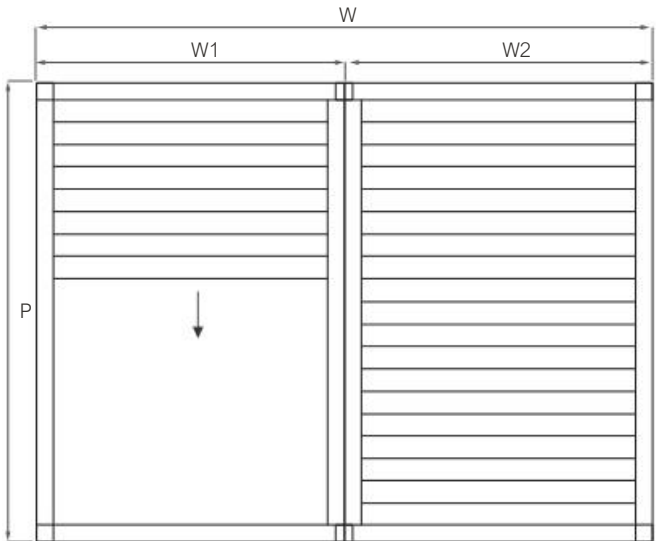
Retractable & Tilting



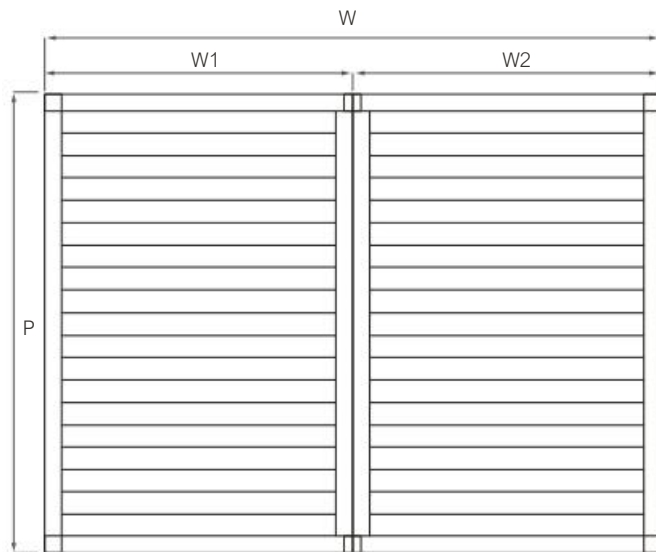
Tilting



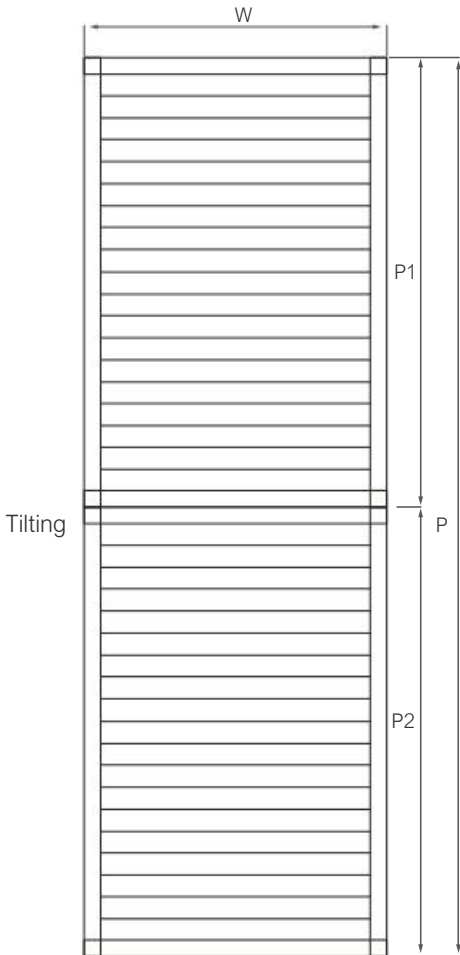
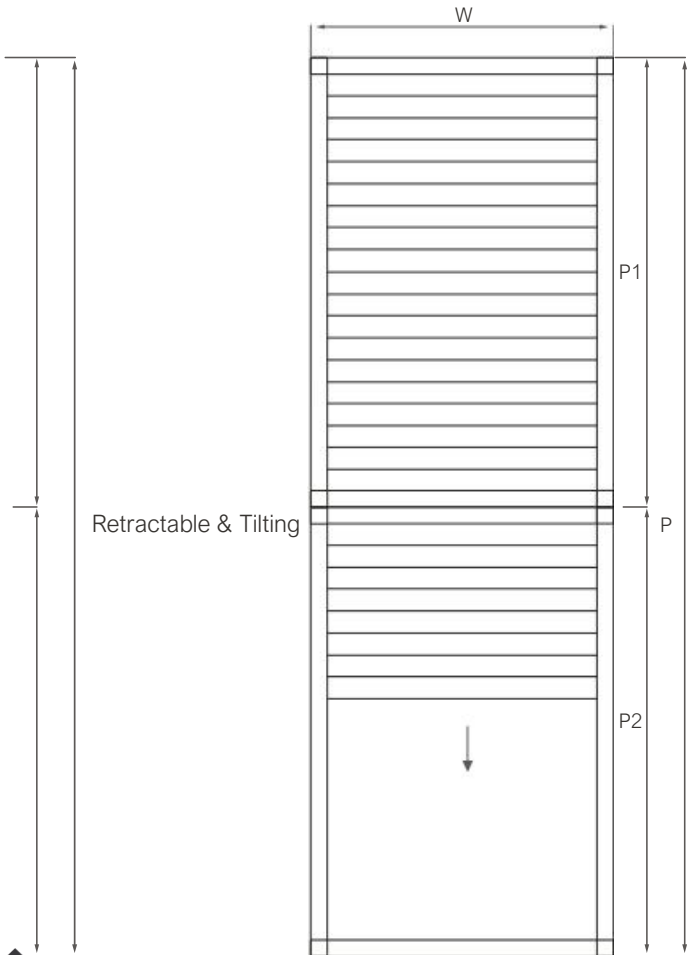
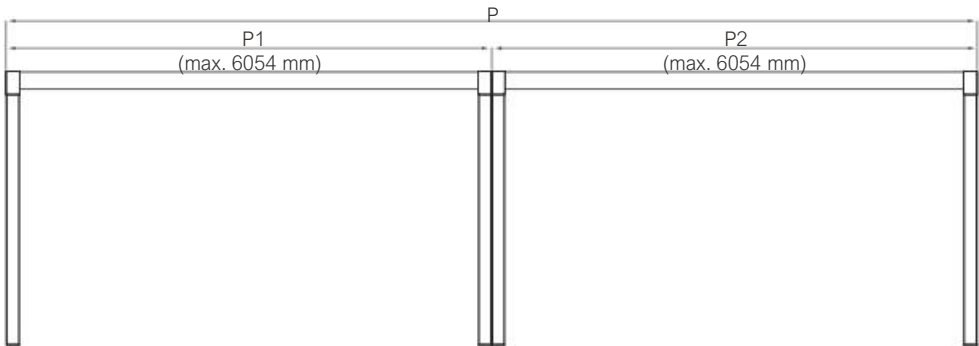
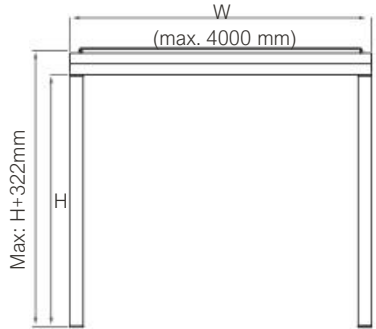
Retractable & Tilting



Tilting



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



Order Form

AIRLUX

Company Name:
Order Reference:

Order Date:

OPERATION

- ☐ Retractable & Tilting
☐ Tilting

INSTALLATION TYPES

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

QUANTITY: pc

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

DIMENSIONS

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

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

POWDER-COAT COLORS

Structure

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

Louvres

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

LED LIGHTS

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

SENSORS

- ☐ Rain Sensor
☐ Wind Sensor

OPTIONALS

- ☐ Additional Post
☐ Insulation Foam
☐ Drainage Pipe

COLUMN BASE OPTIONS

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

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

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

PACKAGING

- ☐ Standard
☐ Wooden Crate
Extra cost

☐

Technical Details



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

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

Technical Specifications
Airlux

New Generation Outdoor Covering Solutions
With Tilting And Retractable Bioclimatic Systems

Description

Airlux 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 Simplex 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 standards.
- In addition to standart RAL colors, Exclusive and Texture range aluminium colors can be offered as extended selection.
 - Functional louvre lay out in parallel or vertical position to wall.

II | Profile Section Dimensions

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

III | Installation Methods

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

IV | Columns

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

V | Weather Resistance

Wind Resistance

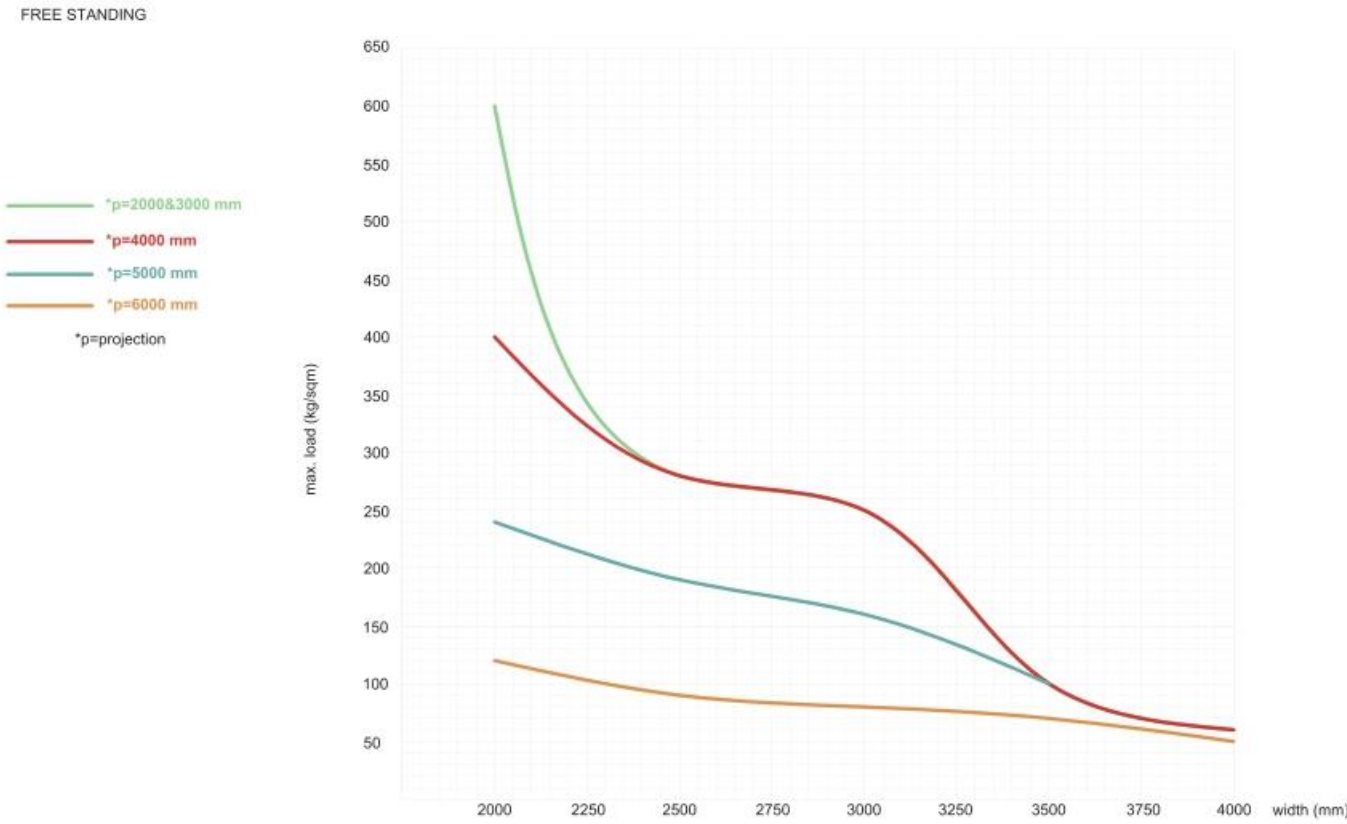
- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

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

Snow load

See dimension based snow chart below;



VI | Tests

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

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

Wind
load



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

Snow
load



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

Rain
load



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

VII | Additional Equipments

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

VIII | Lighting

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

- Led Stripe Dimmer Lighting

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

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

- RGB Led-Hidden Stripe Lighting

60 LEDs/m

IX | Sensors

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

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

Wind sensor

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

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

Rain sensor

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

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

X | Closures

Systems can be completely enclosed with Saphir automatic vertical glass system, windbreaker system, Glassfix, Frame, Slide or motorised Vertiflex zip for further protection from the elements.

Saphir

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

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

Cycle

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

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

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

Windbreaker

Windbreaker is an automatic vertical up-down glass panel.

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

Glassfix

Glassfix glass balustrade system.

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

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

Frame

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

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

Slide

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

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

Vertiflex Zip System

Vertiflex is a motorised external blind system.

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

Alufix

Alufix is an aluminum louvered fixed wall system.

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

Doors

Glass door

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

Framed glass door

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

Photocell Door

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

XI | Structure Color Options / Finishes

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

XII | Warranty

	Airlux	Saphir	Cycle	Windbreaker	Glassfix	Frame	Slide	Vertiflex	Alufix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

Retractable & Tilting



Tilting



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional Insulation Foam



Sensors

Rain Sensor



Wind Sensor



Installation Types

Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Closures

Saphir& Cycle



Windbreaker



Glassfix



Frame



Slide



Vertifle x



Alufix





FREEDOM

Perfect fusion of functionality, redefinition of outdoor living areas

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

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

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

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

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

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

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



■ RGB Led-Hidden Stripe Lighting

■ Led Stripe Dimmer Lighting

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

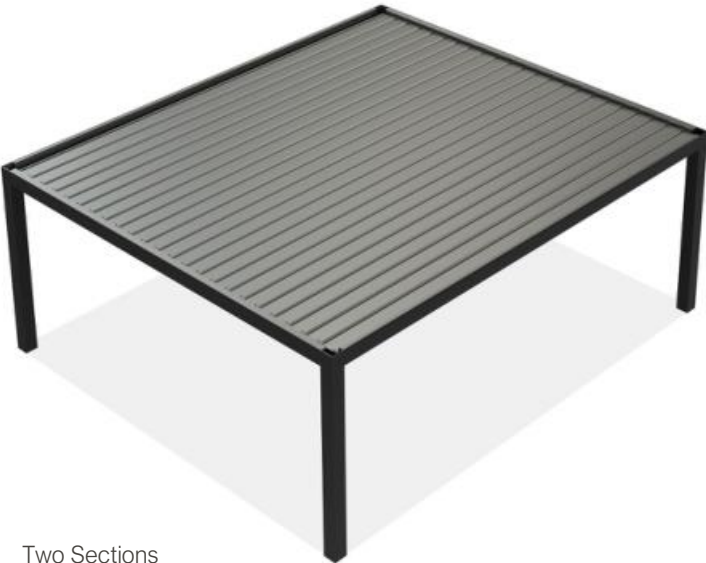
RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinite colour options.

Operations

Fully Closed



One Section

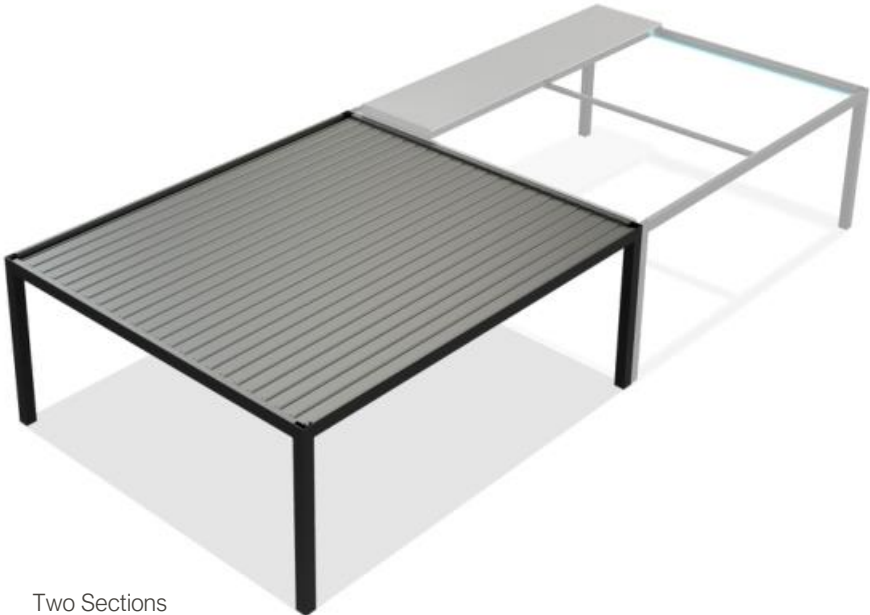


Two Sections

Fully Closed & Retracted



One Section



Two Sections

Retracted

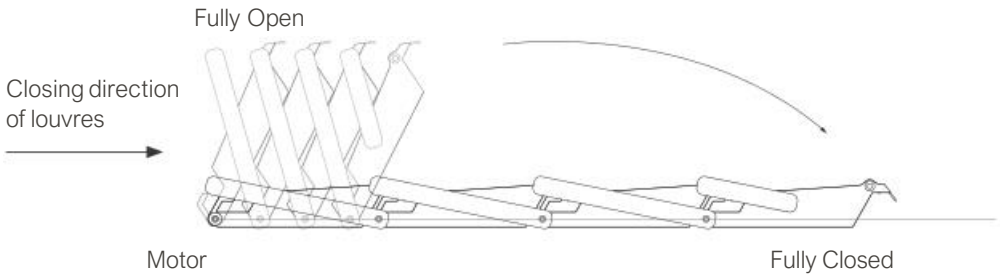


One Section

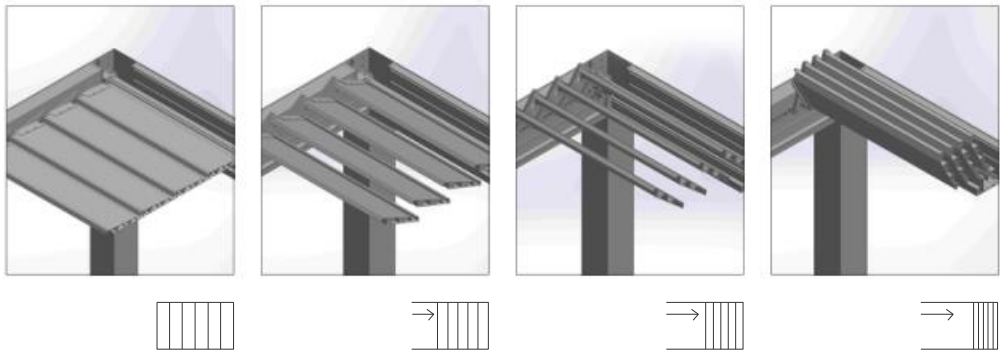


Two Sections

Louvre Closing Direction



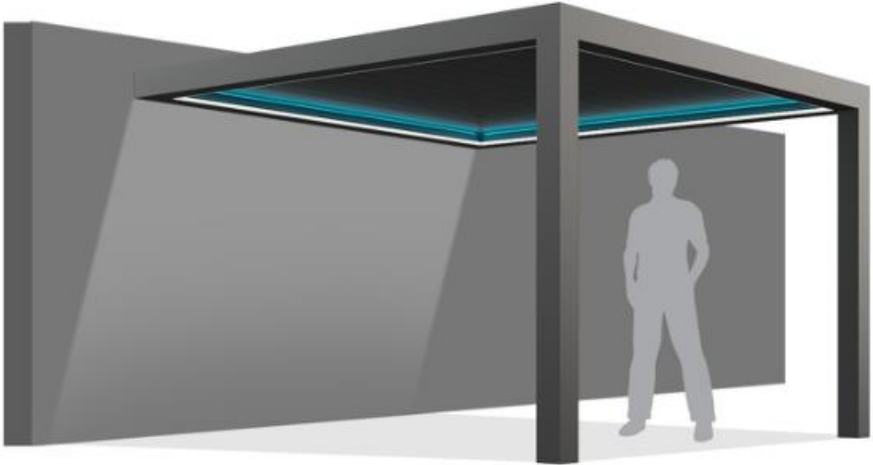
Tilting Directions



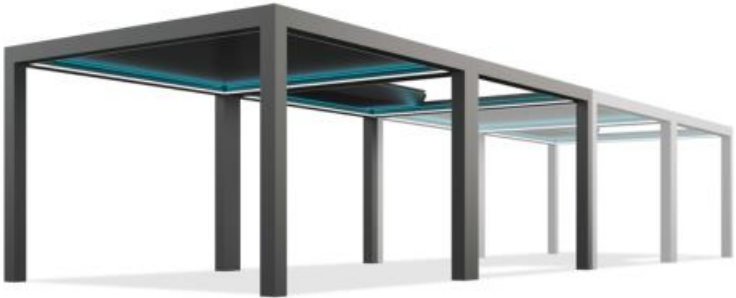
Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



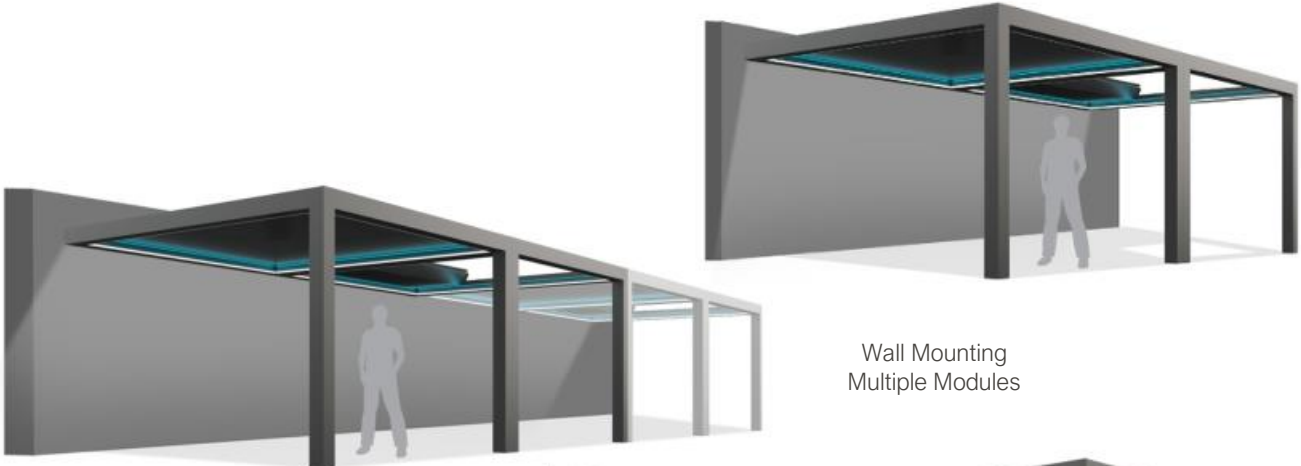
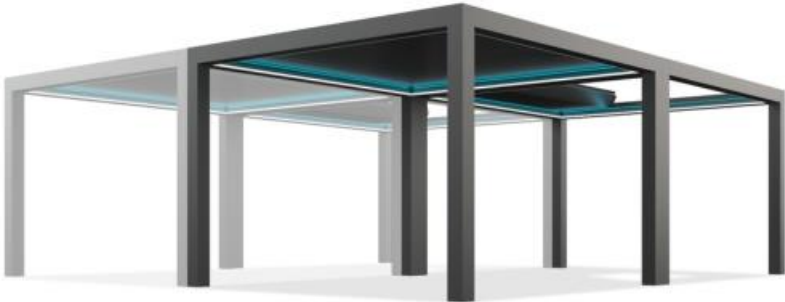
Self Standing
Single Module



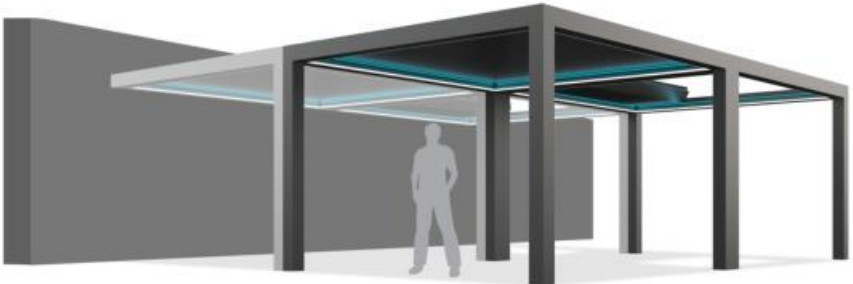
Wall Mounting
Single Module



Self Standing
Multiple Modules



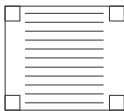
Wall Mounting
Multiple Modules



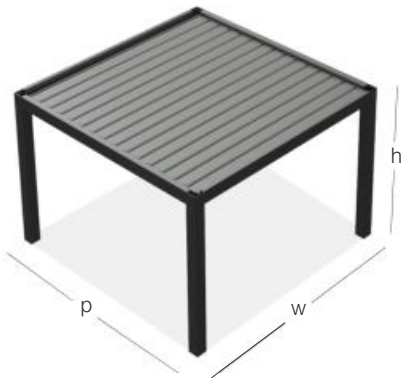
FREEDOM

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

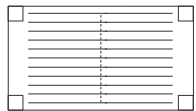
One Section



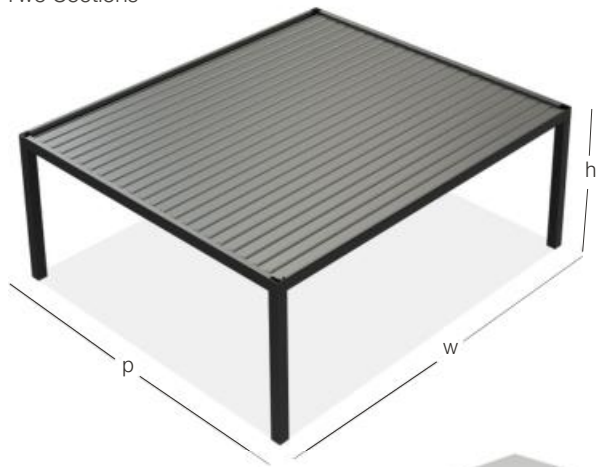
One Section
(w) Width 1200 mm < 4500 mm
(p) Projection 1780 mm < 9030 mm
(h) Height 3000 mm



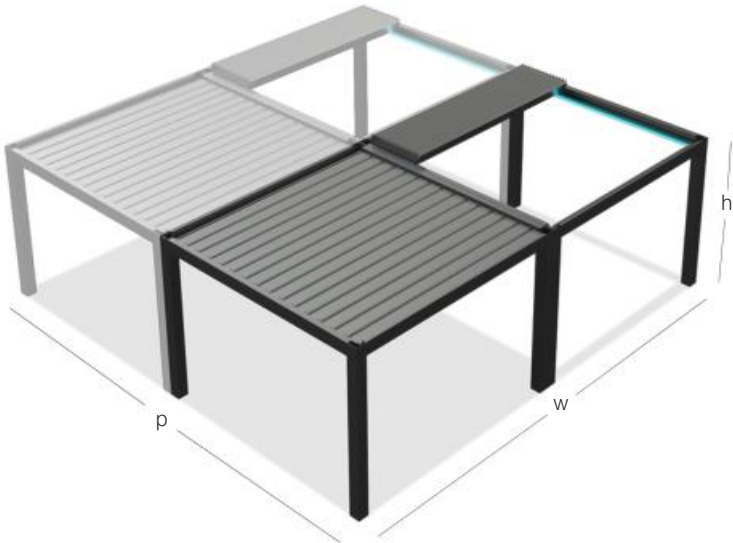
Two Sections



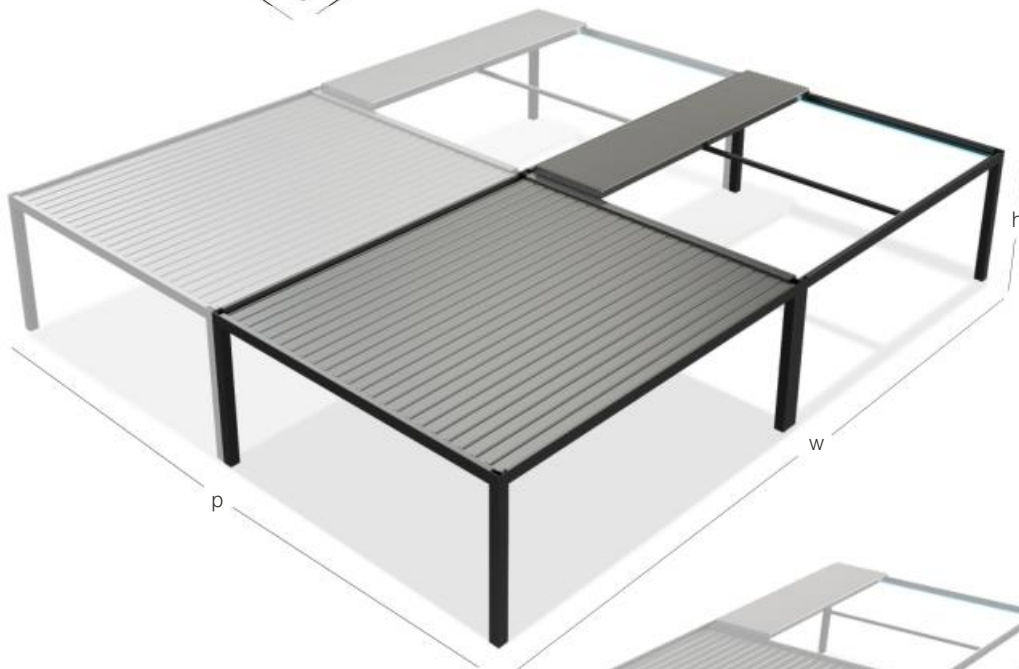
Two Sections
(w) Width 4501 mm < 7000 mm
(p) Projection 1780 mm < 6030 mm
(h) Height 3000 mm



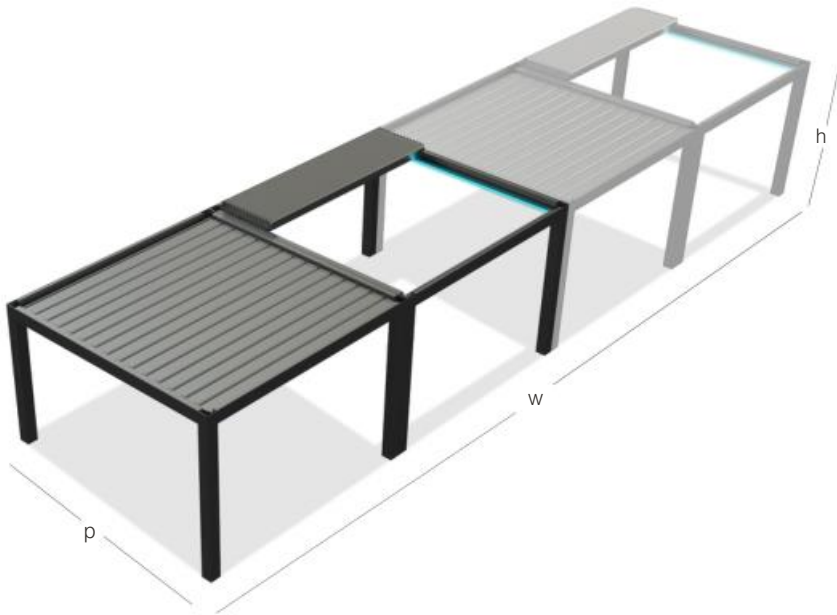
One Section
(w) Width 2400 mm < 9000 mm
(p) Projection 3560 mm < 18060 mm
(h) Height 3000 mm



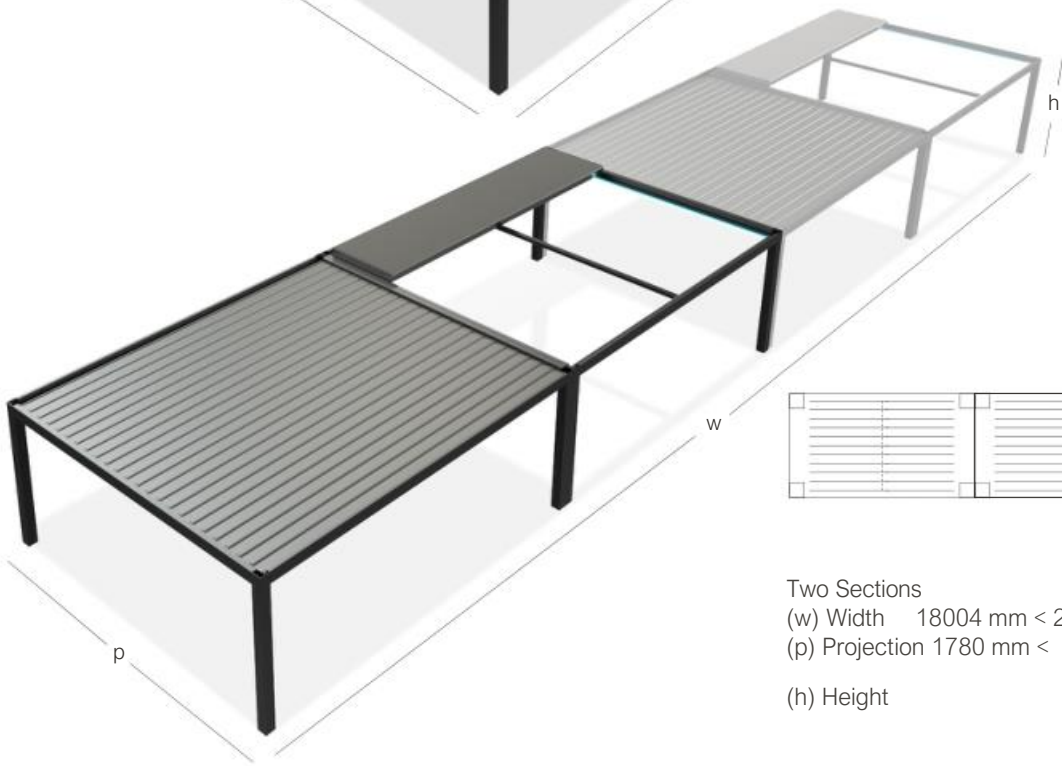
Two Sections
(w) Width 9002 mm < 14000 mm
(p) Projection 3560 mm < 12060 mm
(h) Height 3000 mm



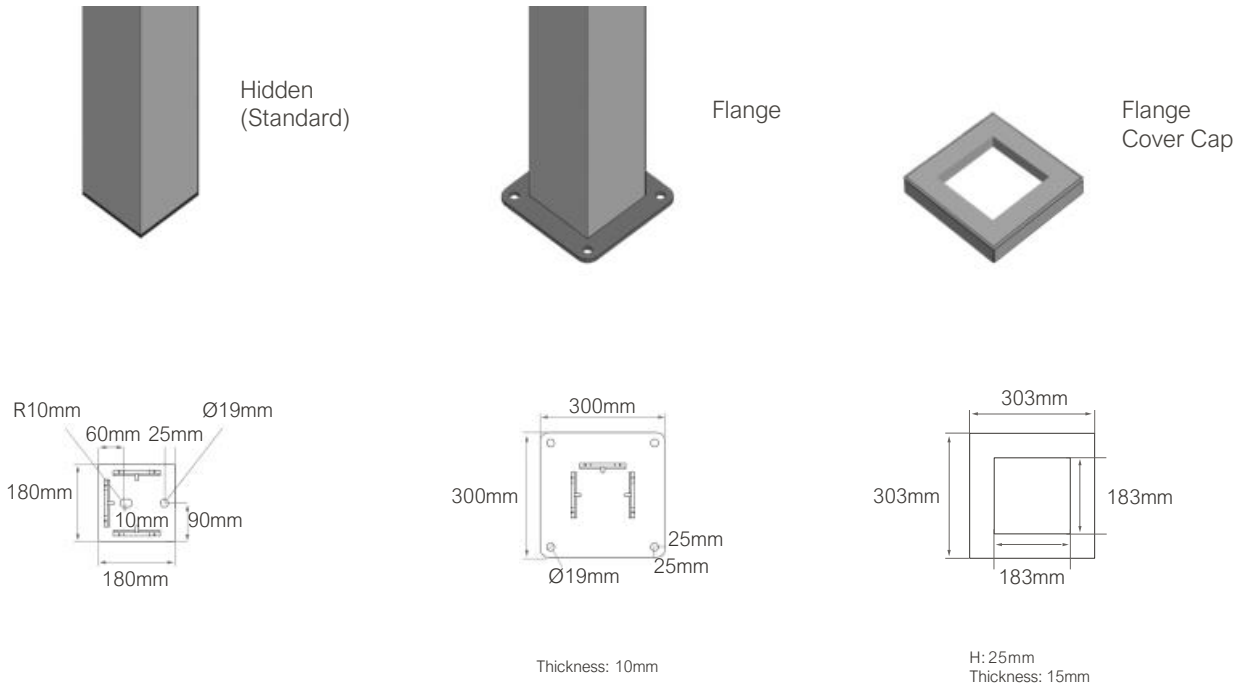
One Section
(w) Width 4800 mm < 18000 mm
(p) Projection 1780 mm < 9030 mm
(h) Height 3000 mm



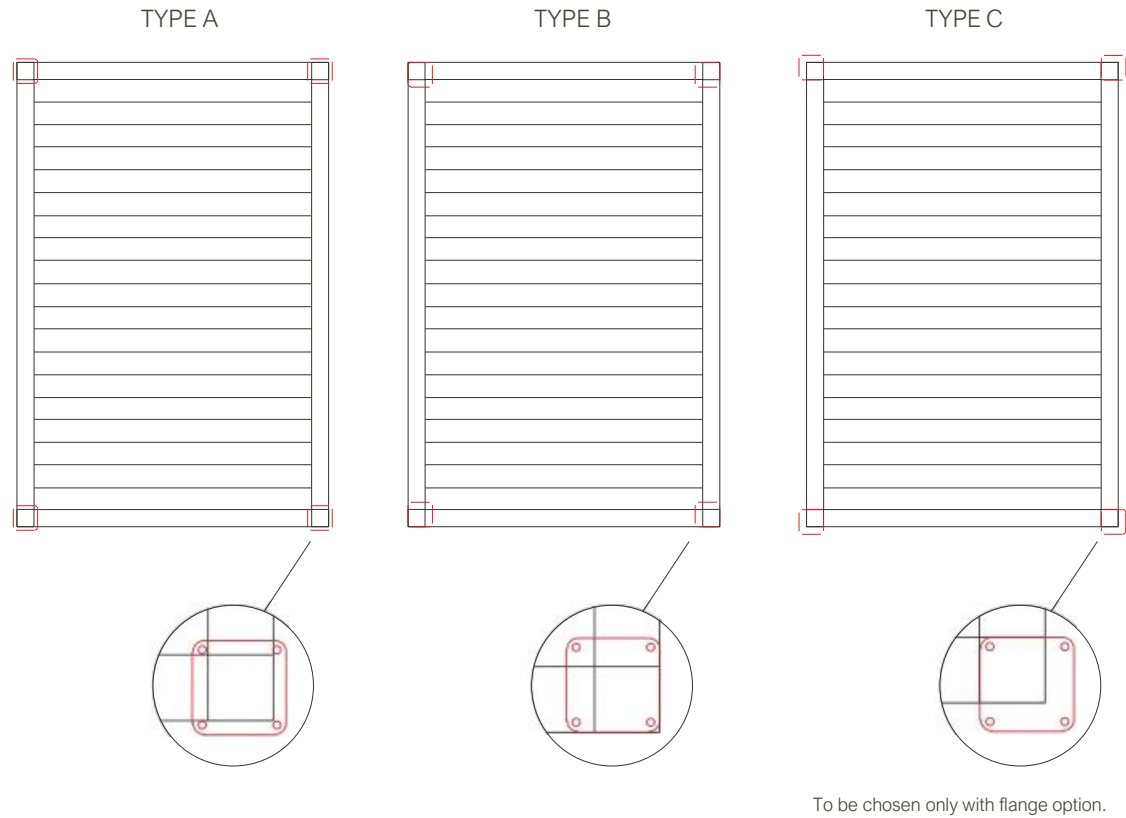
Two Sections
(w) Width 18004 mm < 28000 mm
(p) Projection 1780 mm < 6030 mm
(h) Height 3000 mm



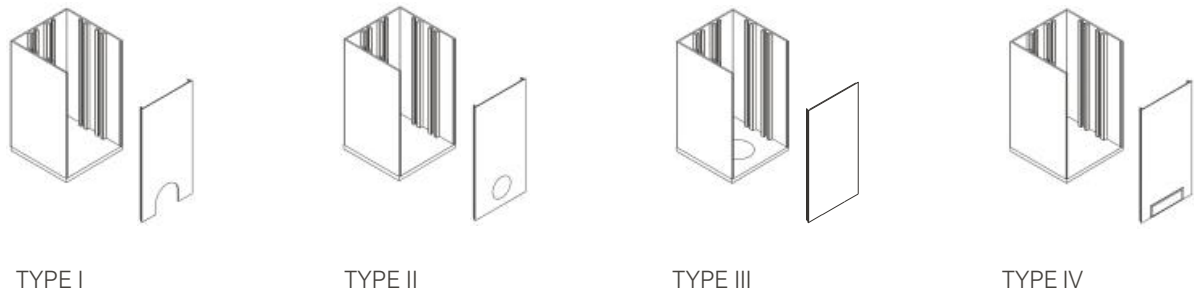
Column Base Options



Flange Positions

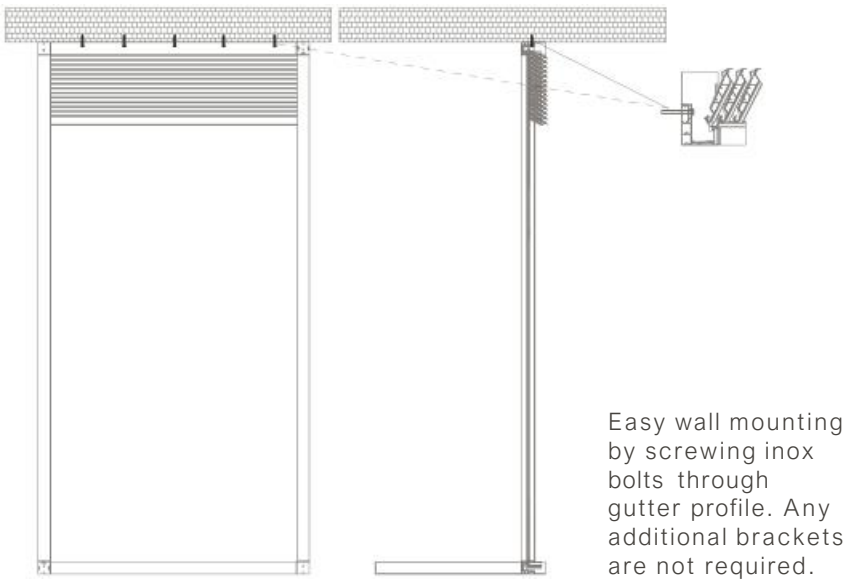


Drainage Types

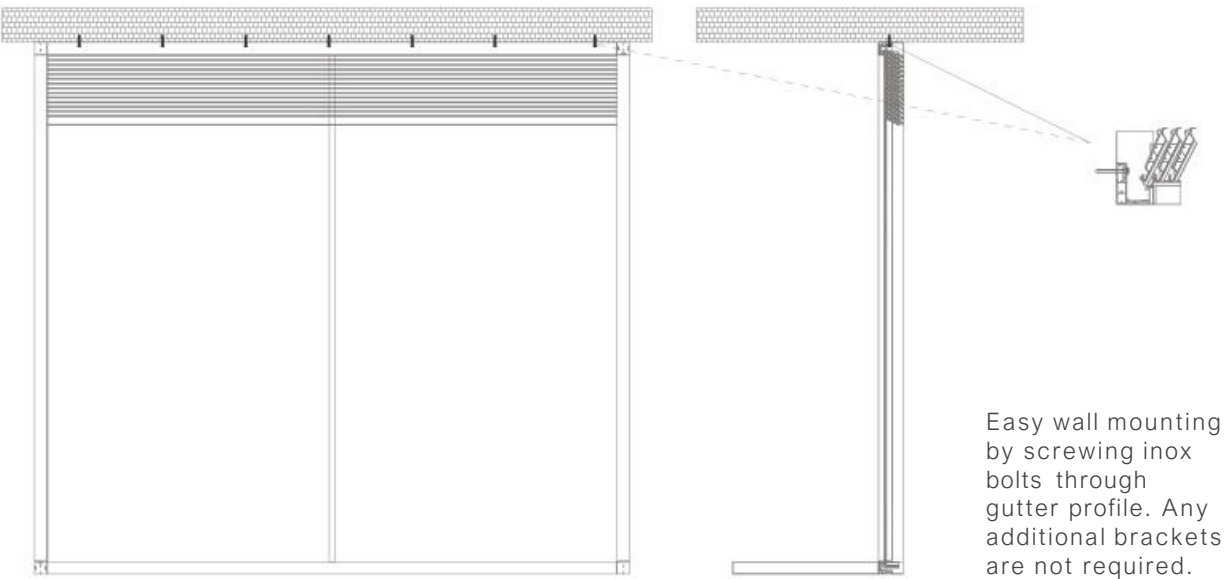


Hang Bracket Types & Mounting

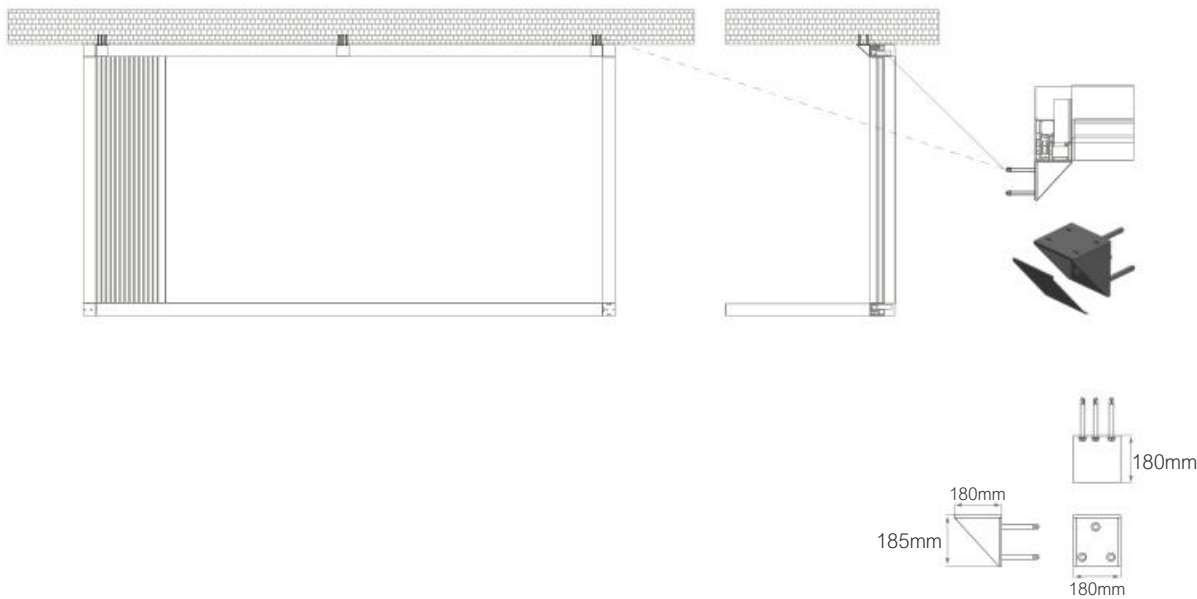
One Section



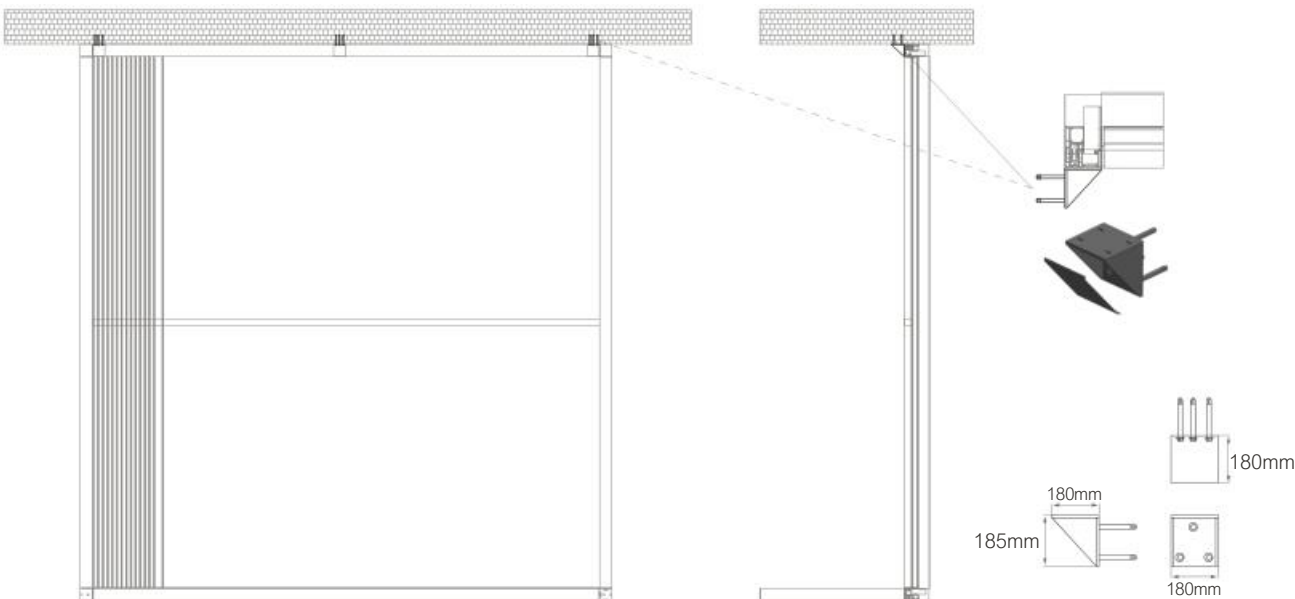
Two Sections



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

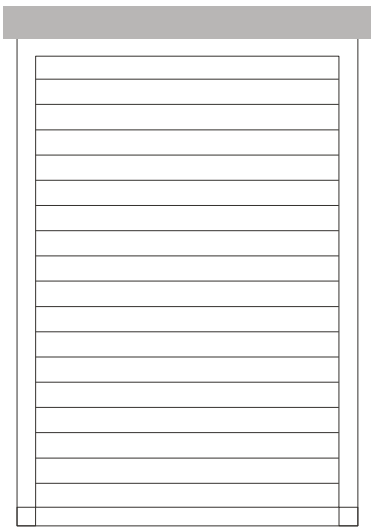


Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap

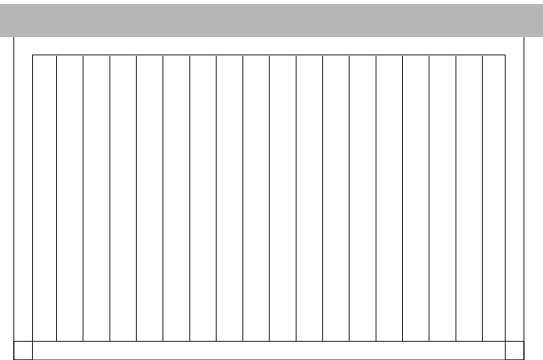


Wall Installation Louvre Positions

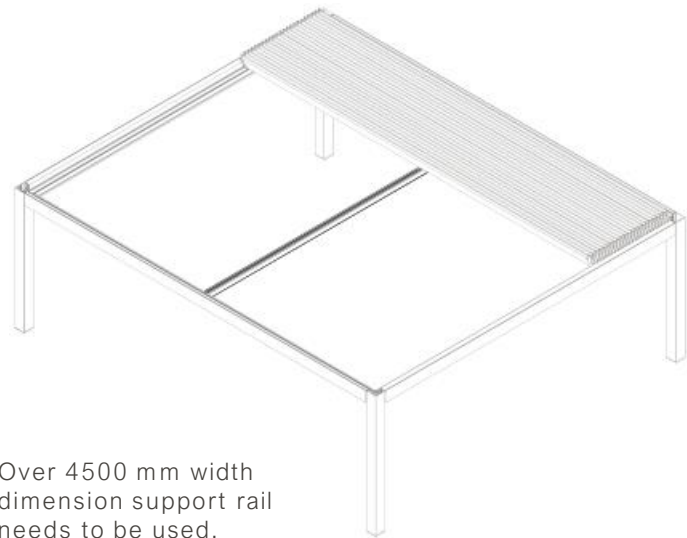
Parallel To Wall



Vertical To Wall



Support Rail

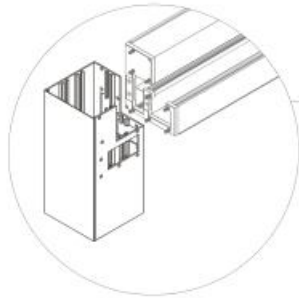


Over 4500 mm width dimension support rail needs to be used.

Column and Gutter/Rafter Integration

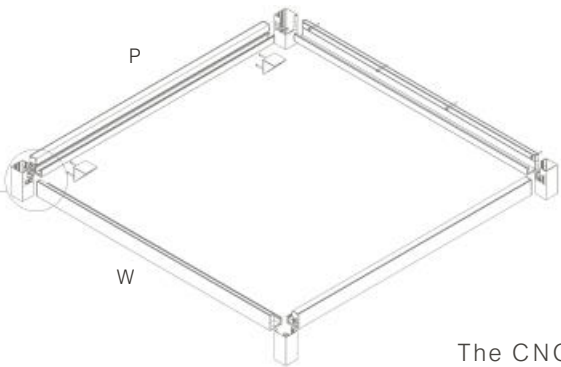
The easy fixing of integral column part to gutter and rafter

Wall Mounting



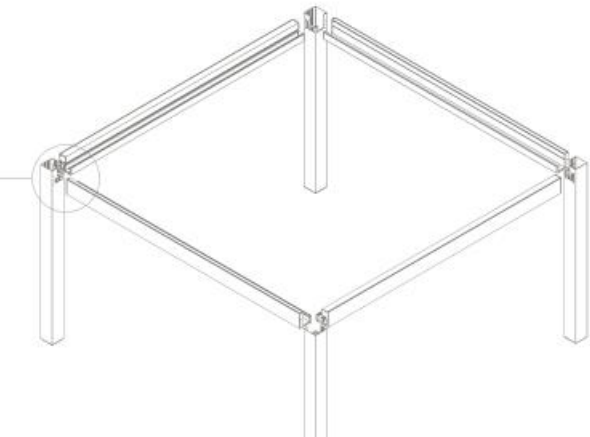
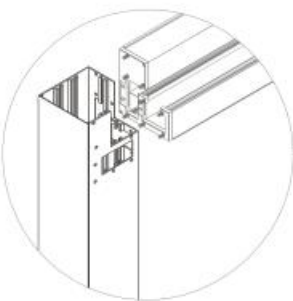
P

W



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

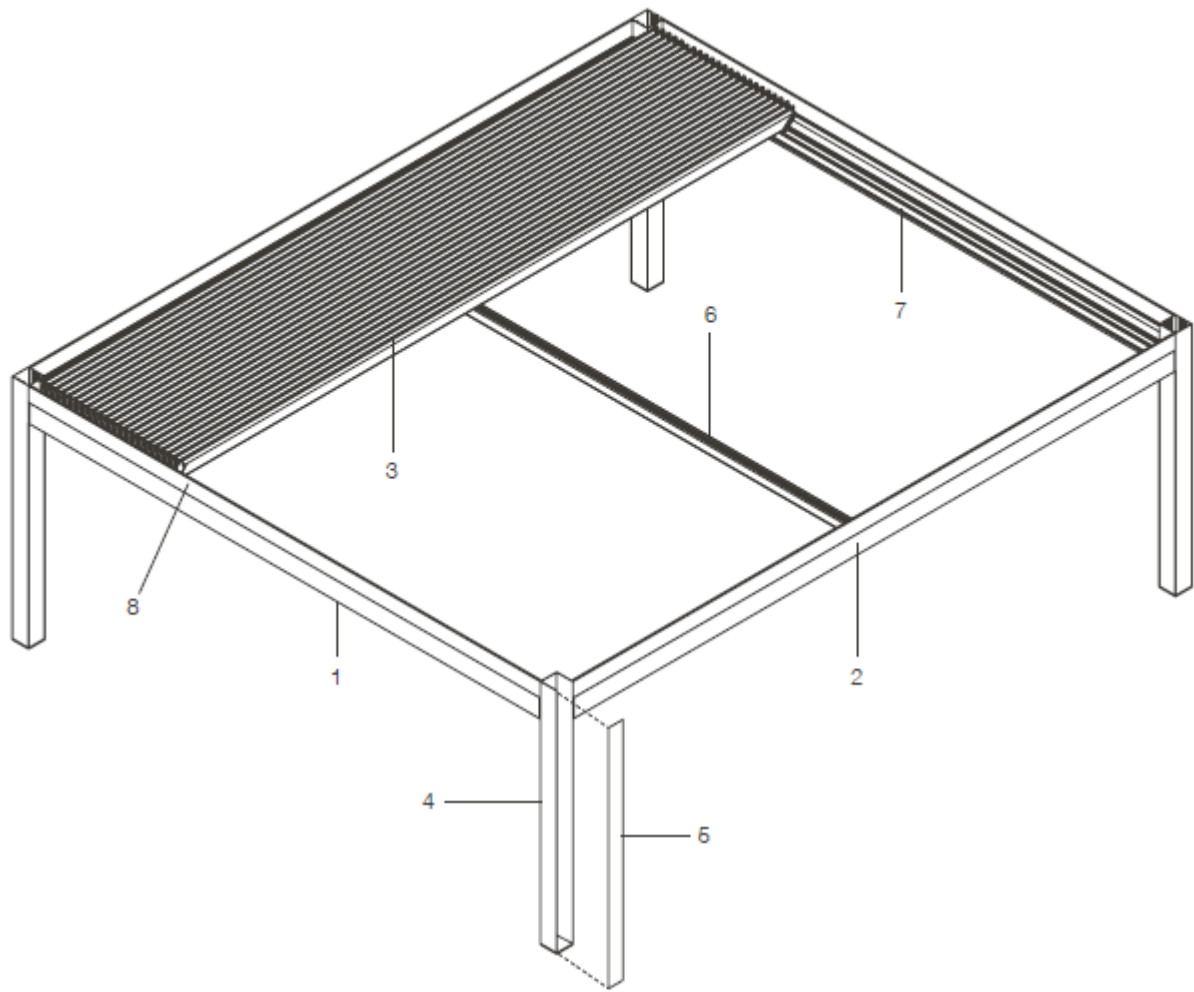
Self Standing



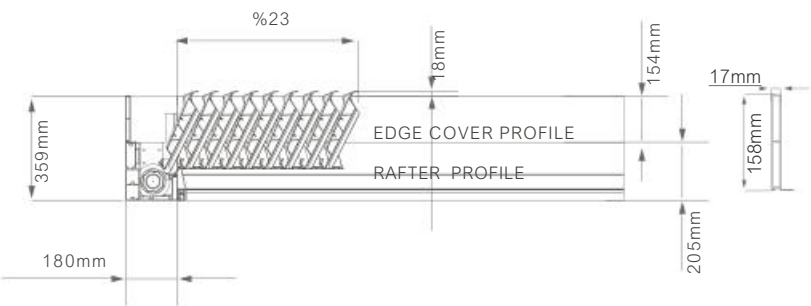
Support Column



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



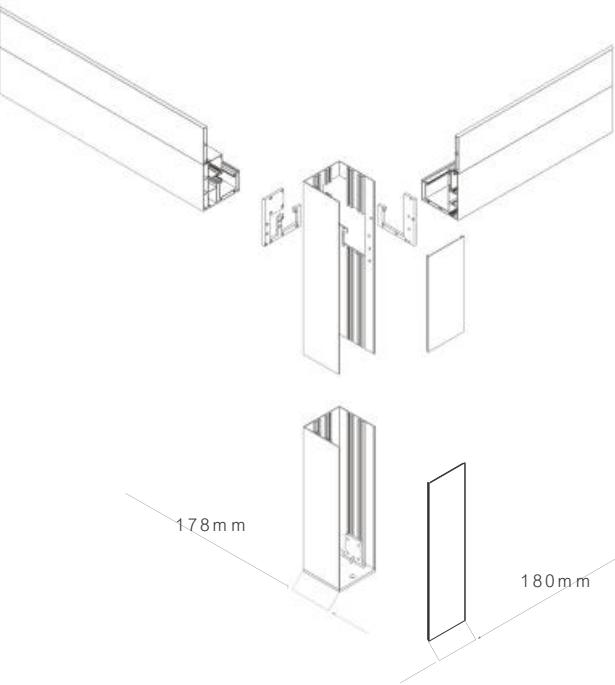
Side Elevation



Column Connection

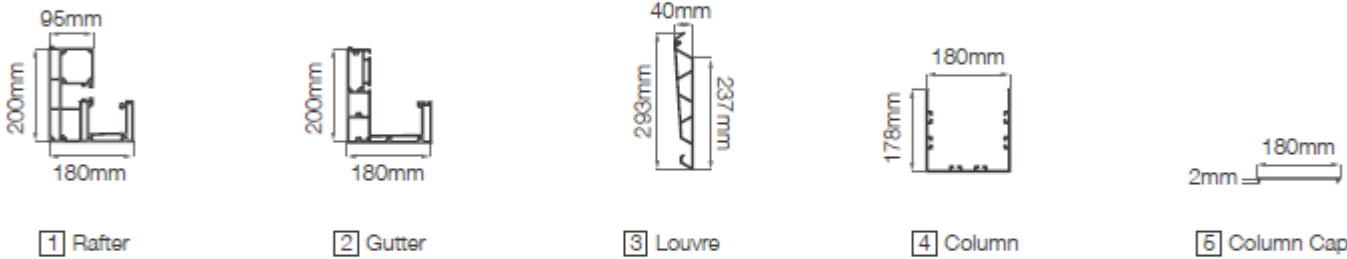
Thanks to ease of column base assembly each column can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

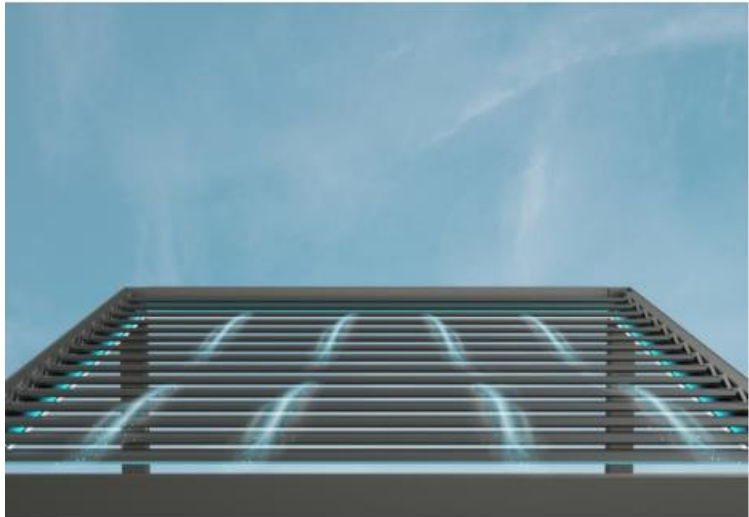
The front column cap can be pulled out simply and inner column cavity conceals the wiring cables of heater, speaker and automation to provide clean appearance.



Louvre Stormguard Seal

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

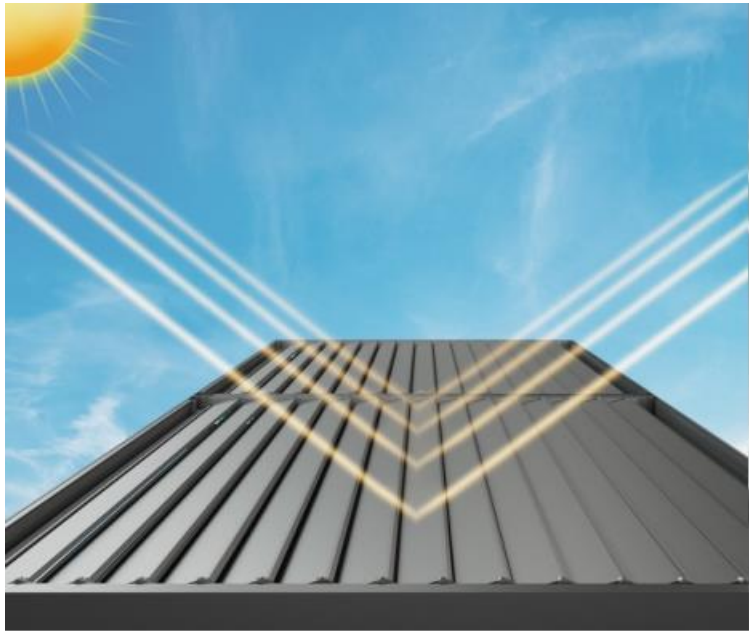




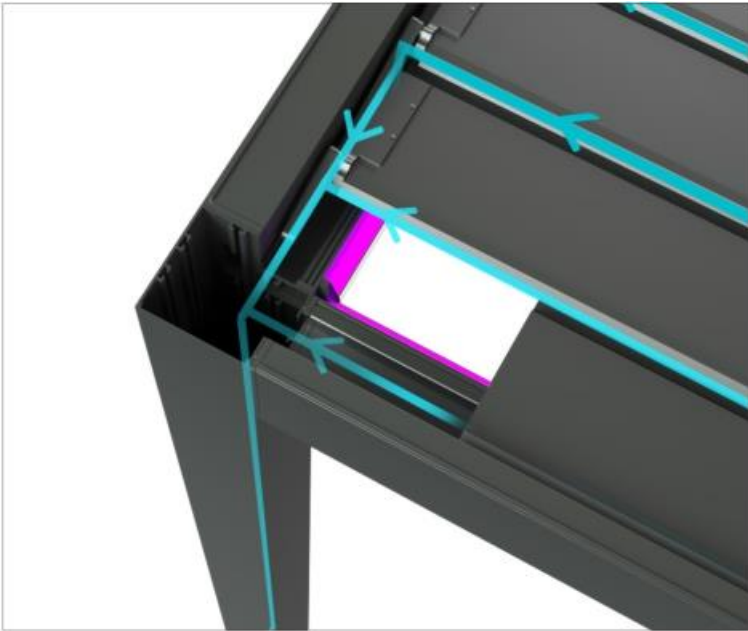
Slightly opening of louvres creates natural air flow for application areas.



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



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



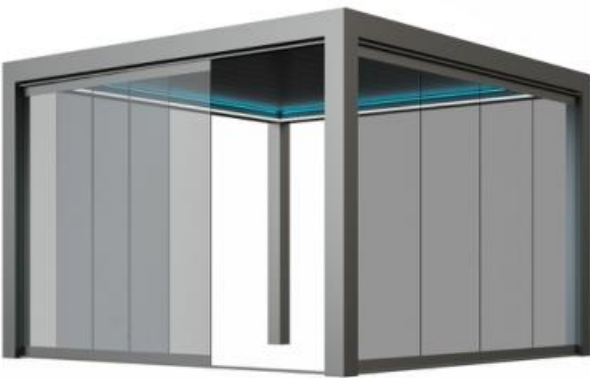
Windbreaker System
Windbreaker can be combined with also Freedom system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. The system 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.



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



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



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

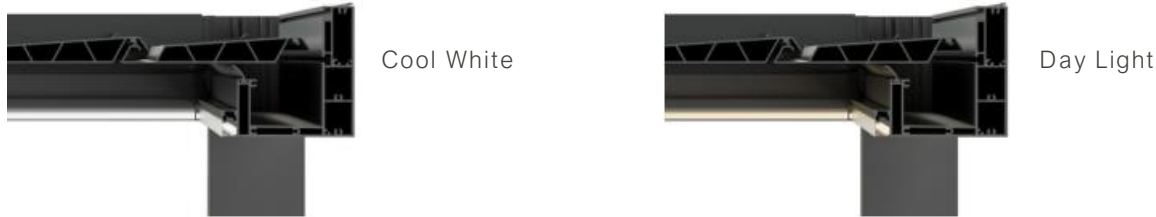


Vertiflex Zip Screen System
The minimalist, slimlane, contemporary design of the zip system provides comfortable shade and protects against the UV rays. The system includes motorised aluminium structure, entirely powder-coated with stainless steel bolts and screws.

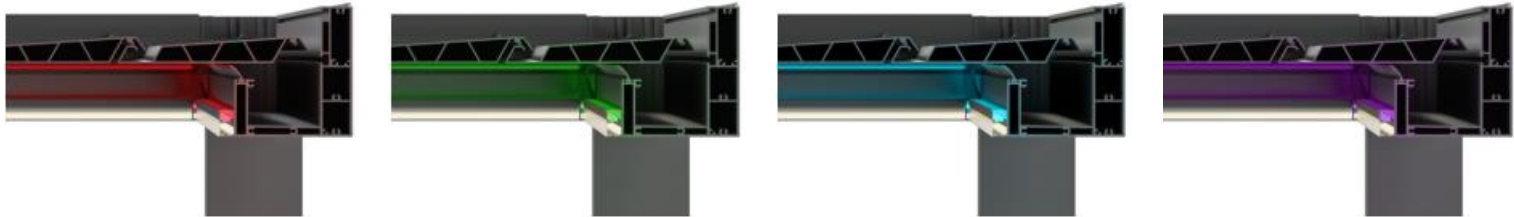


Alufix Fixed Side Enclosure
The unique designed privacy of Alufix side enclosure can be combined with Freedom system to optimise outdoor living areas visually.

Led Stripe
Dimmer Lighting



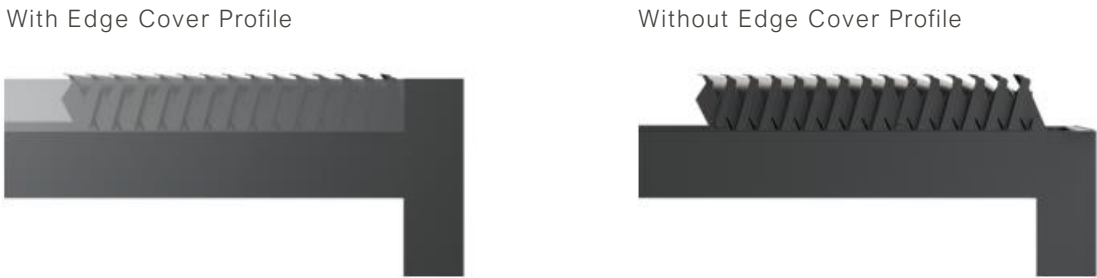
RGB Led-Hidden
Stripe Lighting



Insulation Foam



Edge Cover Profile



Dimension Ranges

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

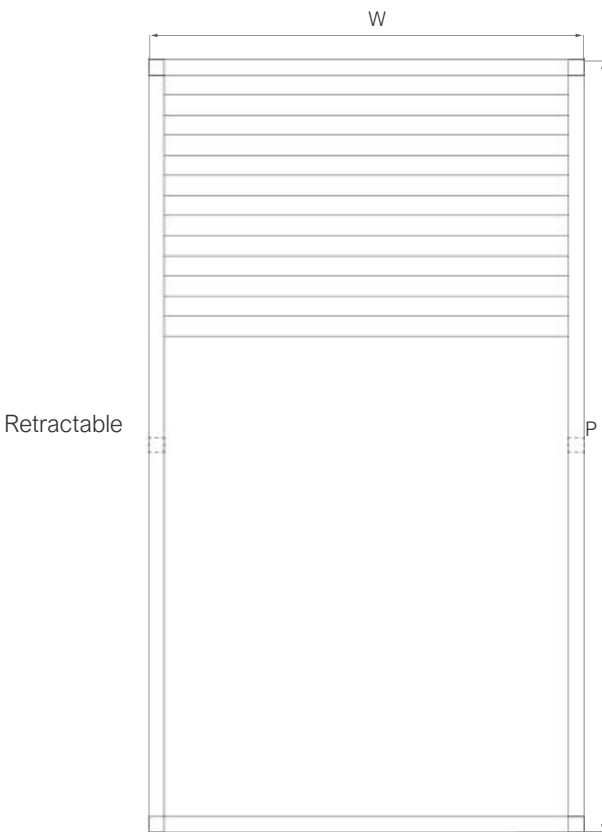
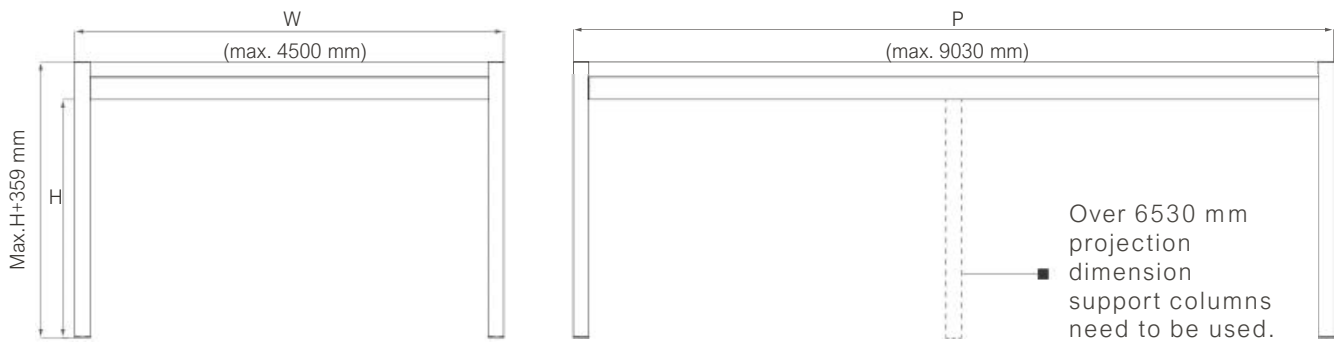
		WIDTH									
		1800								4500	
NR. OF LOUVRES	PROJECTION	6	1780								
		7	2030								
		8	2280								
		9	2530								
		10	2780								
		11	3030								
		12	3280								
		13	3530								
		14	3780								
		15	4030								
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		31	8030								
		32	8280								
		33	8530								
		34	8780								
		35	9030								

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

		WIDTH									
		4501									7000
NR. OF LOUVRES	PROJECTION	6	1780								
		7	2030								
		8	2280								
		9	2530								
		10	2780								
		11	3030								
		12	3280								
		13	3530								
		14	3780								
		15	4030								
		16	4280								
		17	4530								
		18	4780								
		19	5030								
		20	5280								
		21	5530								
		22	5780								
		23	6030								

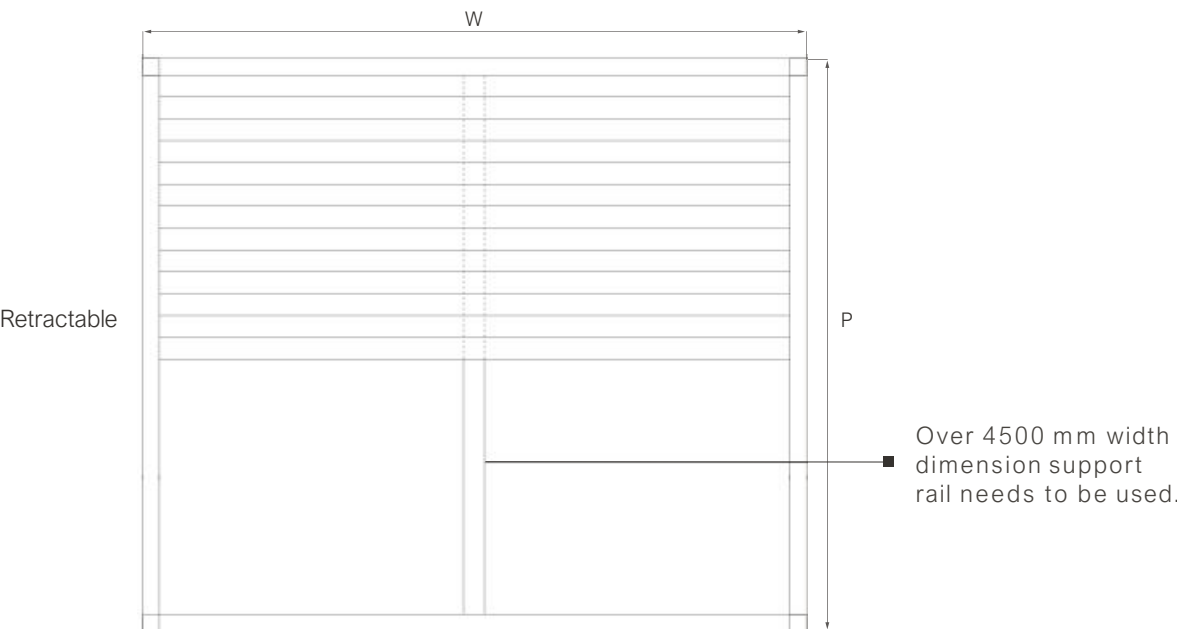
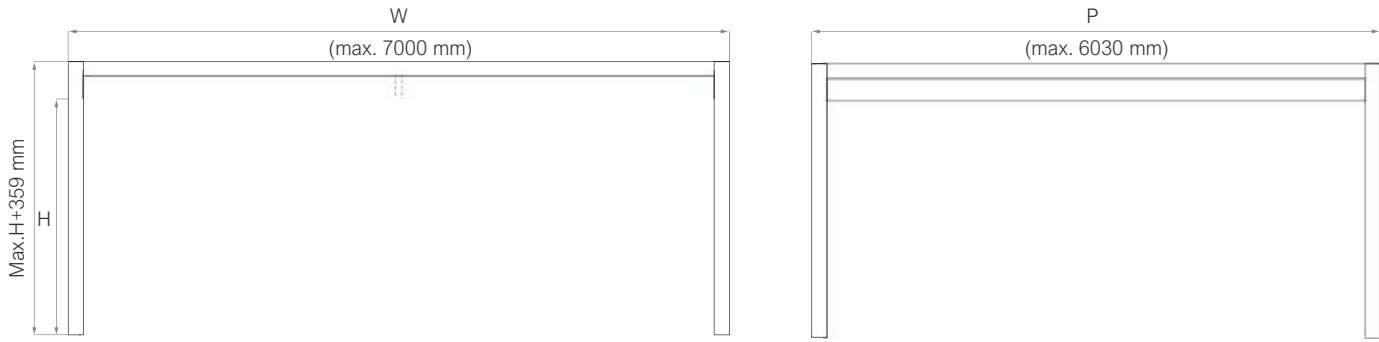
Single Module
One Section

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



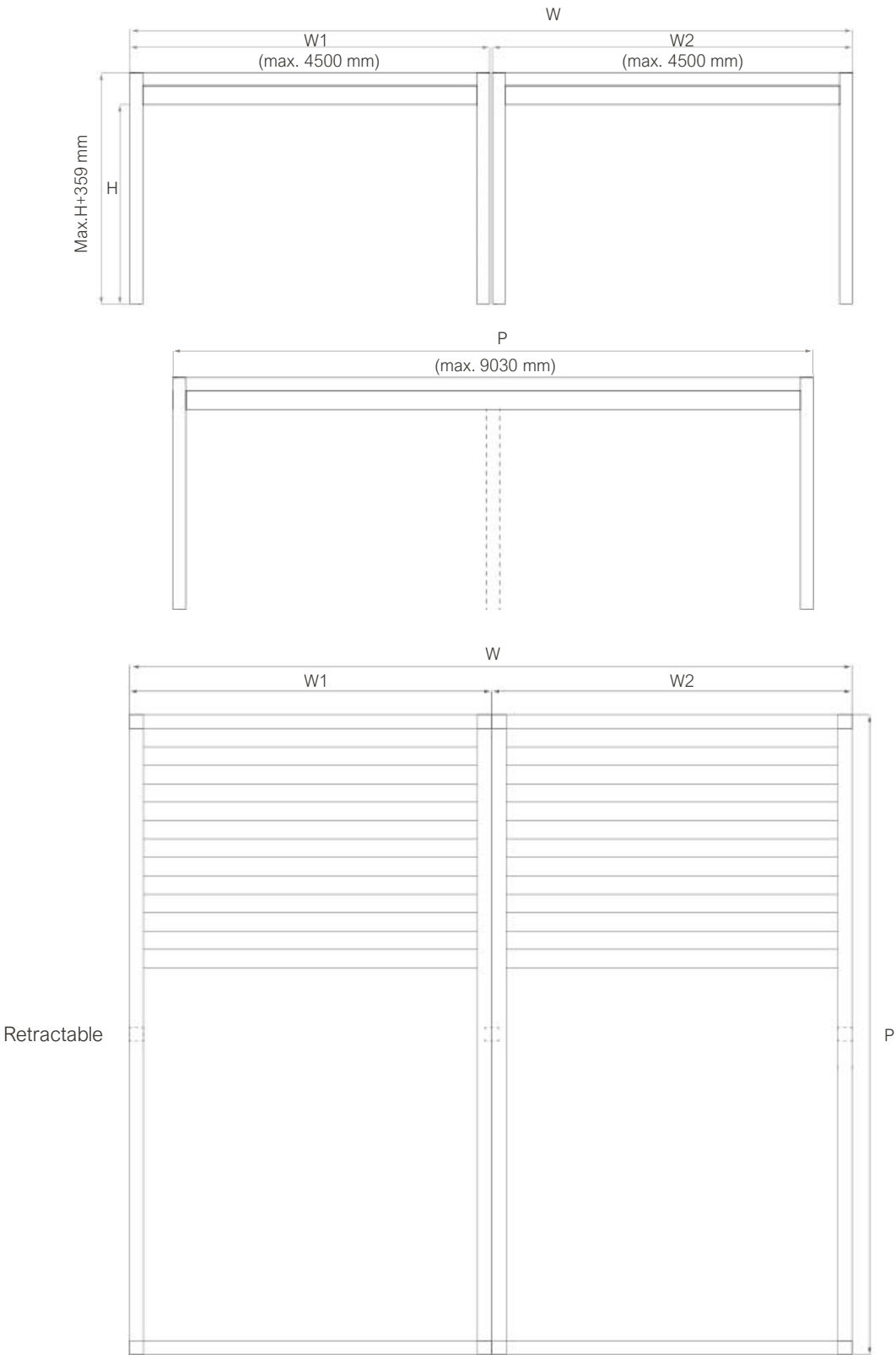
Single Module
Two Sections

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



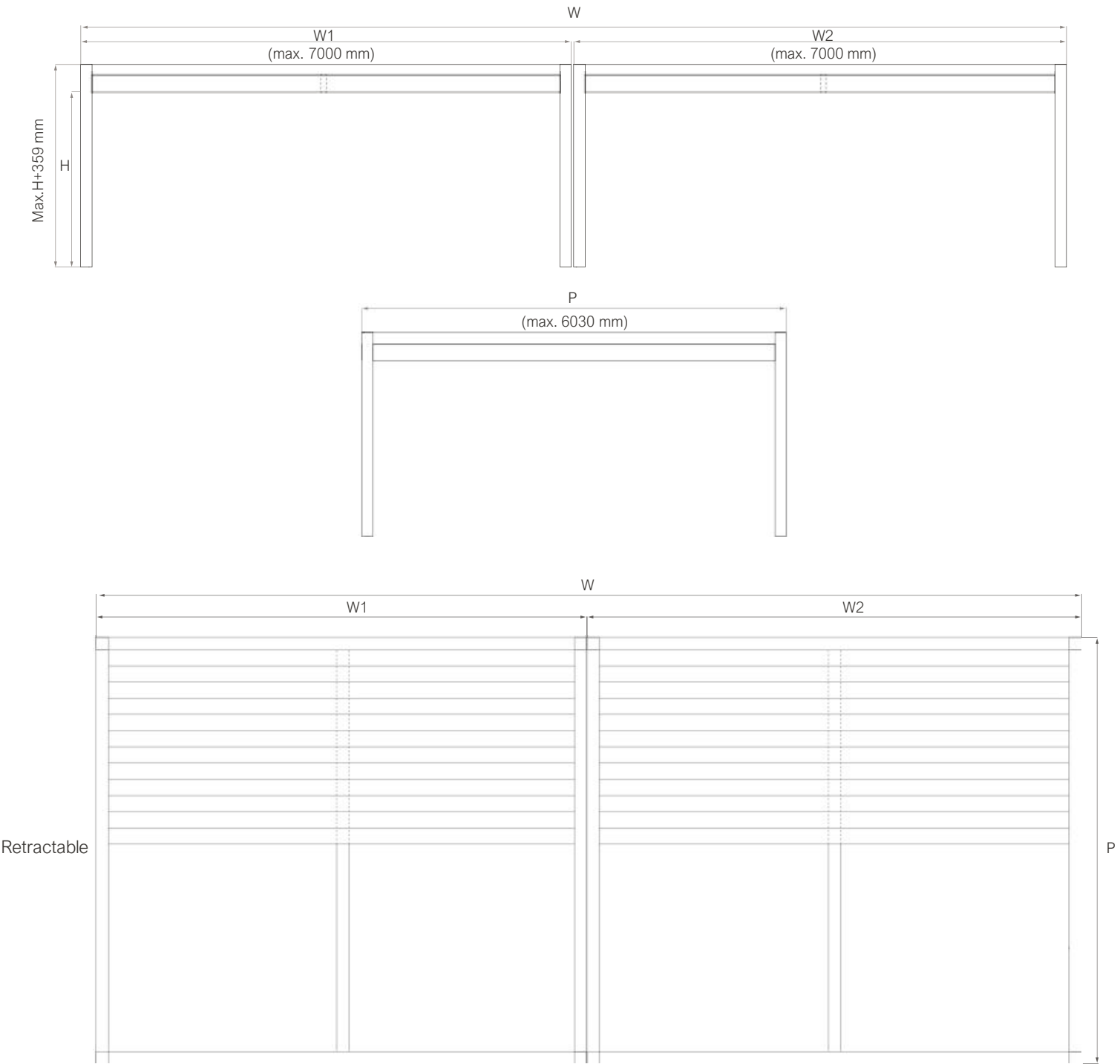
Multiple Modules Type 1
One Section

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



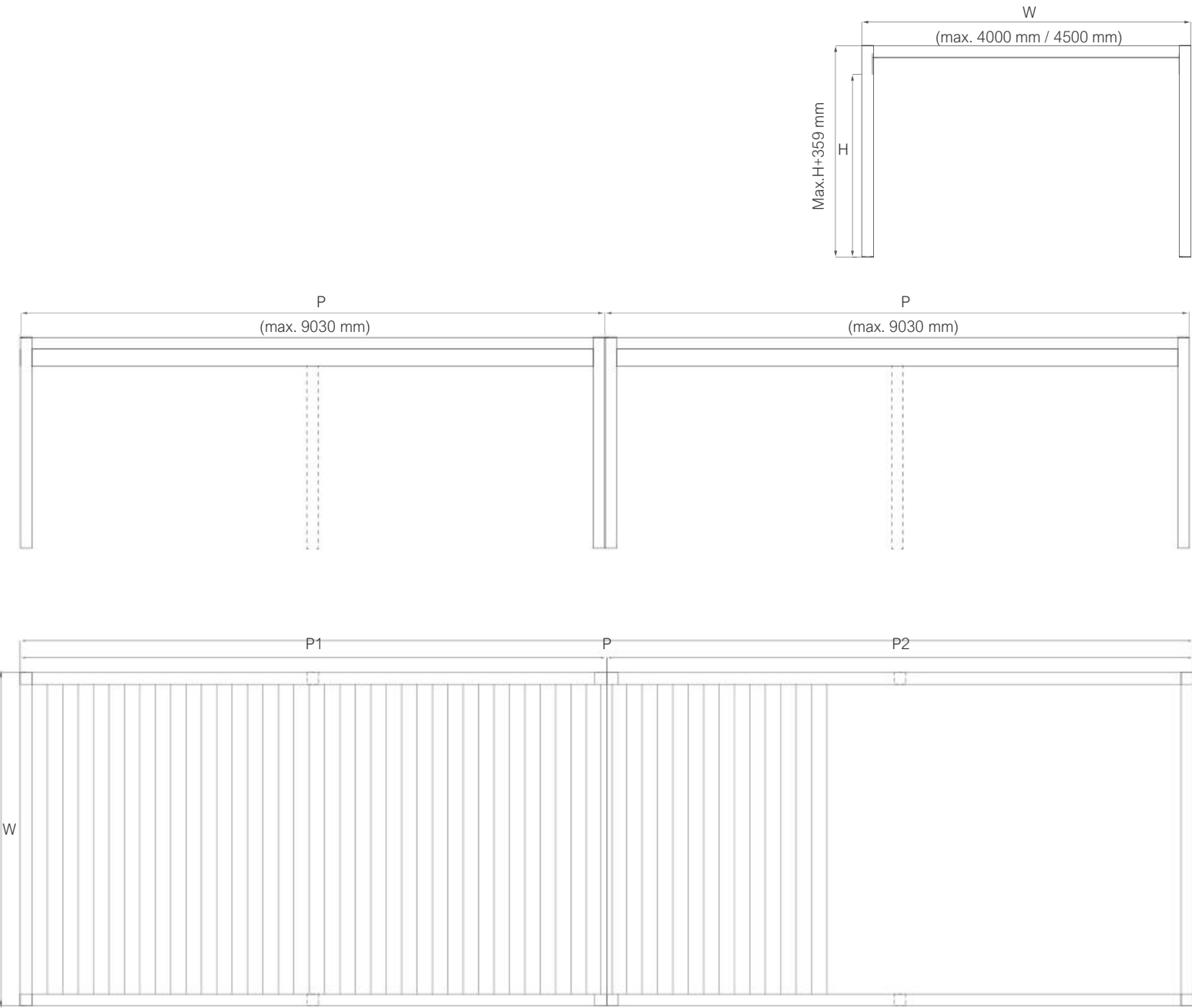
Multiple Modules Type 1
Two Sections

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



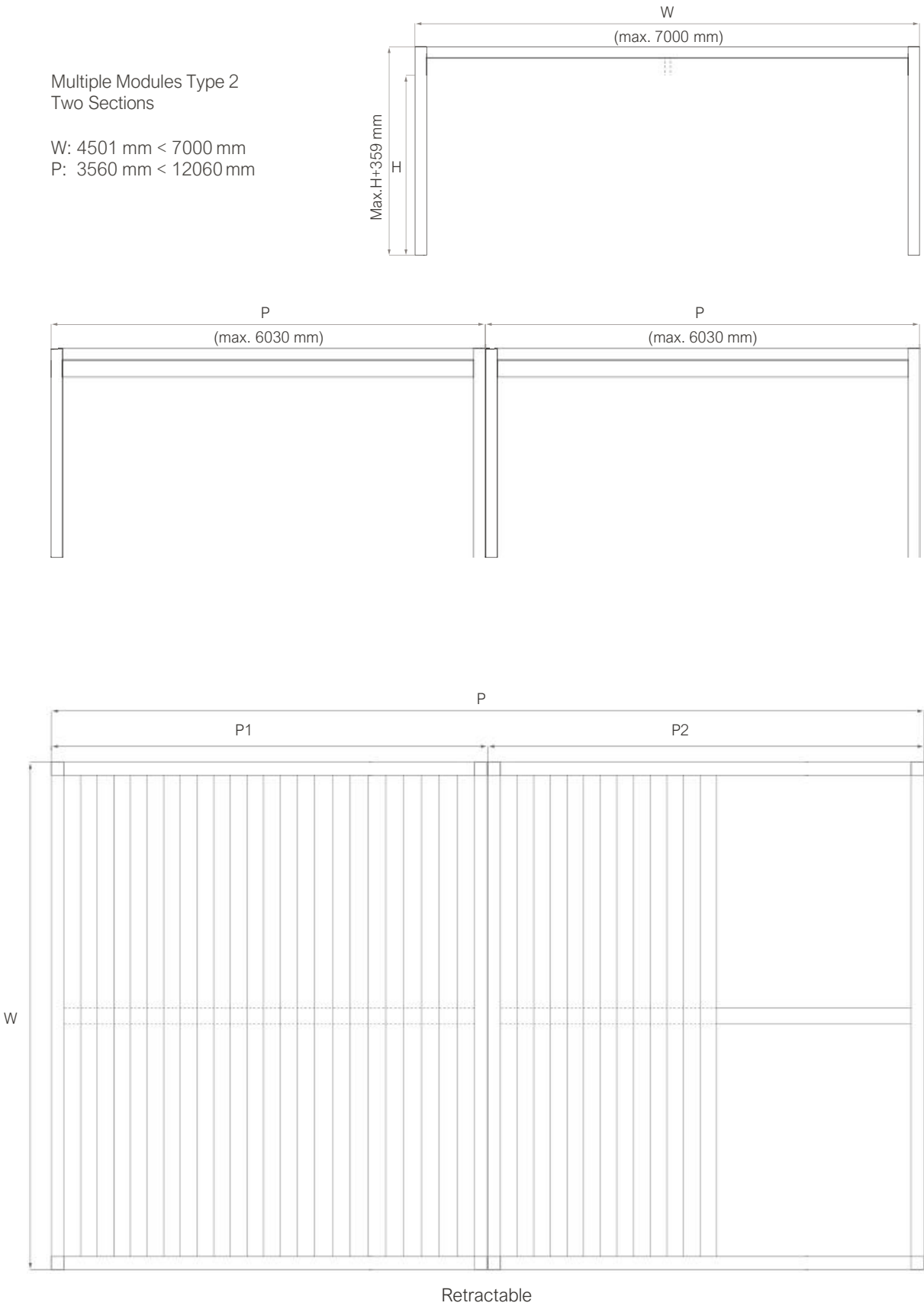
Multiple Modules Type 2
One Section

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



Multiple Modules Type 2
Two Sections

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



Company Name:
Order Reference:

Order Date:

INSTALLATION TYPES

☐ Self Standing

☐ Wall Mounting

☐ Louvres Parallel to Wall

☐ Louvres Vertical to Wall

QUANTITY: pc

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

- One section 4500x9030 mm

- Two sections 7000x6030 mm

DIMENSIONS

W - Total Width..... mm

P - Projection mm

H - Post Height..... mm

Total Number of Posts Required pc

☐ Type 1

☐ Type 2

W1 mm

P1 mm

W2 mm

P2 mm

See page 139-144 for detail

POWDER-COAT COLORS

Structure

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 ...

Louvres

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 ...

LED LIGHTS

☐ Led Stripe Dimmer Lighting

☐ Cool White

☐ Day Light

☐ RGB Led - Hidden Stripe Lighting

SENSORS

☐ Rain Sensor

☐ Wind Sensor

☐ Sun Sensor

☐ Wind&Sun Sensor

OPTIONALS

☐ Additional Supporting Post

☐ Insulation Foam

☐ Edge Cover Profile

COLUMN BASE OPTIONS

☐ Hidden (Standard)

☐ Flange

☐ Flange With Cover Cap

FLANGE POSITIONS

☐ Type A

☐ Type B

☐ Type C

DRAINAGE TYPES

☐ Type I

☐ Type II

☐ Type III

☐ Type IV

PACKAGING

☐ Standard

☐ Wooden Crate

Extra cost

☐

Technical Details



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

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

Technical Specifications
Freedom

Spacious Retractable Scissors
Roof System

Description

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

Dimensions

One module

Width 1200 mm < 4500 mm

Width 4501 mm < 7000 mm

Projection 1780 mm < 9030 mm

Projection 1780 mm < 6030 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 7000mm dimension.
- Projection availability up to 9030mm dimension.
- Remote control for operation of mechanism and lighting.
- Double-walled aerofoil louvres with superior strength and durability.
- Adjustable louvres for any position.
- Extended open sky when roof retracted.
- Dimmer option to adjust lux intensity.
- Antibacterial polyurethane foam insulation which can be integrated into the louvre to provide sound and heat insulation.

Air and water insulation between joining Simplex of multiple applications is provided by U profile.

- Applicability of guillotine, sliding / sliding frame / folding glass and zip systems.
- Fully waterproof coverage when louvres are in fully closed position.
- Functional seal integration on louvre channel to prevent water leaking and provide extra insulation.
- Seal integration along structure for water insulation and temperature resistance.
- The water is flowed down to the main gutters by special drainage channels along the louvres and drained through columns. -

Optional edge cover profile which complete smooth design.

- Hidden direct drive double shaft motorbox with Somfy® motor operates retracting motion.

- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standards.

- In addition to standart RAL colors, Exclusive and Texture range aluminium.

II | Profile Section Dimensions

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

III | Installation Methods

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

IV | Columns

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

V | Weather Resistance

Wind Resistance

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

Water Drainage

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

VI | Additional Equipments

- Heater, speaker or other automations can be integrated into the system.

- Rain and wind sensor can be adapted.

Rain sensor closes the blades automatically when it rains.

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

VII | LED Lighting

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

- Led Stripe Dimmer Lighting

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

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

- RGB Led-Hidden Stripe Lighting

96 LEDs/m

VIII | Sensors

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

Wind sensor

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

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

Sun sensor

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

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

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

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

Rain sensor

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

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

Wind & Sun Sensor

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

IX | Closures

Systems can be completely enclosed with Saphir automatic vertical glass system, windbreaker system, Glassfix, Frame, Slide or motorised Vertiflex zip for further protection from the elements.

Saphir

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

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

Cycle

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

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

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

Windbreaker

Windbreaker is an automatic vertical up-down glass panel.

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

Glassfix

Glassfix glass balustrade system.

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

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

Frame

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

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

Slide

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

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

Vertiflex Zip System

Vertiflex is a motorised external blind system.

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

Alufix

Alufix is an aluminum louvered fixed wall system.

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

Doors

Glass door

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

Framed glass door

- Hinged and hydraulic framed glass doors are available.

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

Photocell Door

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

X | Structure Color Options / Finishes

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

XI | Warranty

	Freedom	Saphir	Cycle	Windbreaker	Glassfix	Frame	Slide	Vertiflex	Alufix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

⇐ Retractable

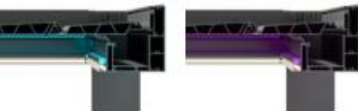
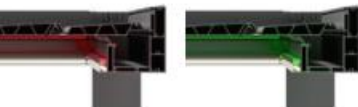


Lighting Options

Led Stripe Dimmer Lighting



RGB Led-Hidden Stripe Lighting



Optional

Insulation Foam



Edge Cover Profile

With



Without



Installation Types

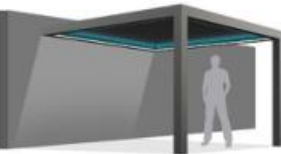
Self Standing Single Module



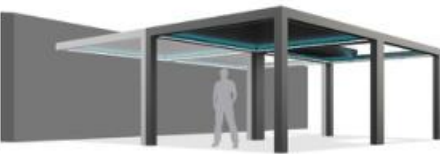
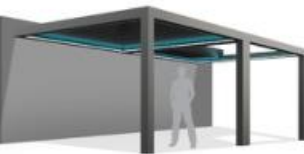
Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Sun Sensor

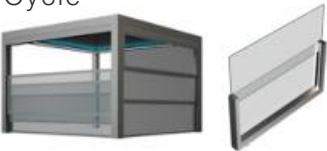


Wind&Sun Sensor



Closures

Saphir& Windbreaker Glassfix Frame Cycle



Slide

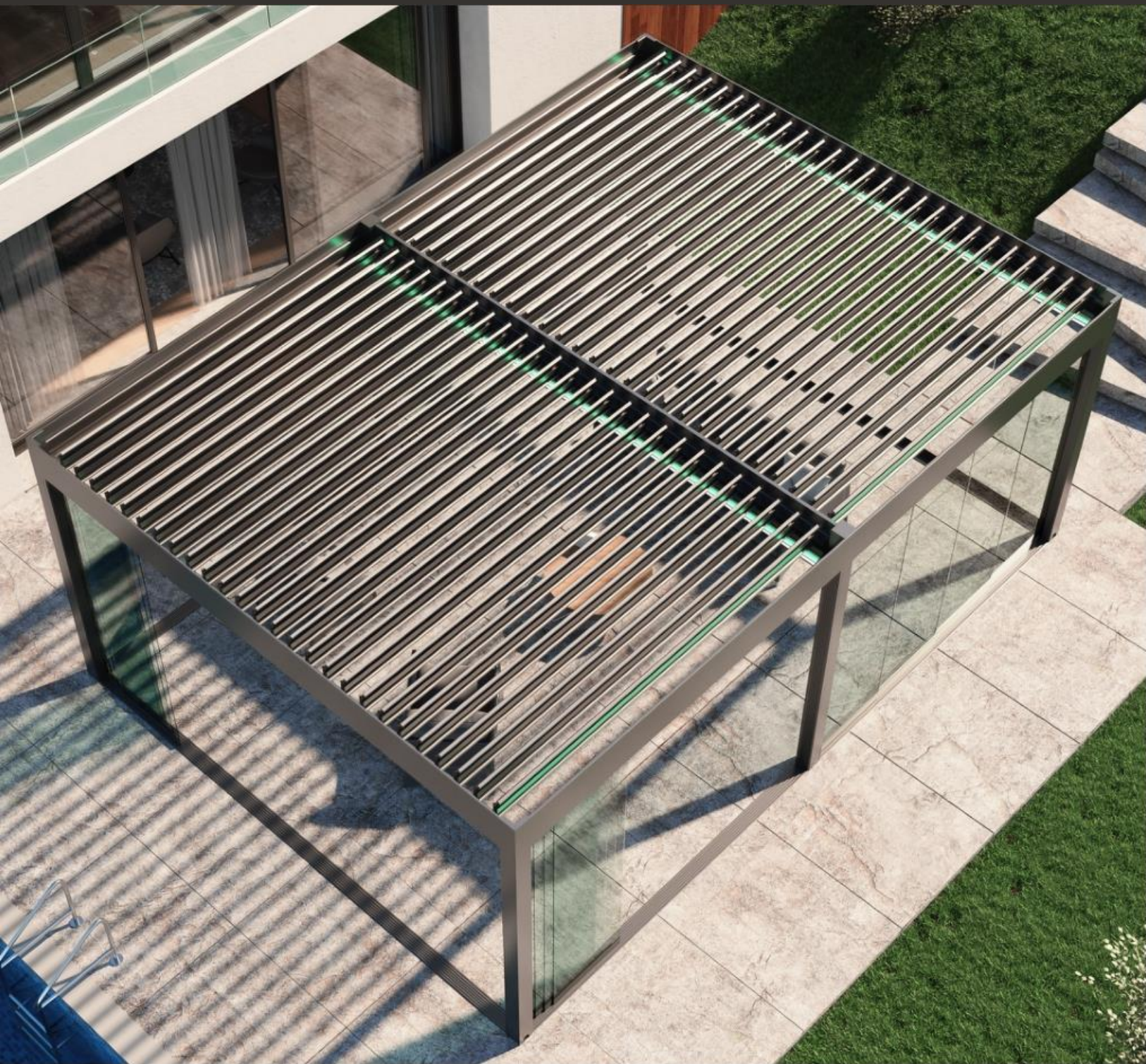


Vertiflex



Alufix





SIMPLEX

Customized architectural solutions...

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

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

Led Stripe Dimmer Lighting

RGB Led-Hidden Stripe Lighting



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

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

Operations

Fully Closed



Tilted & Fully Closed

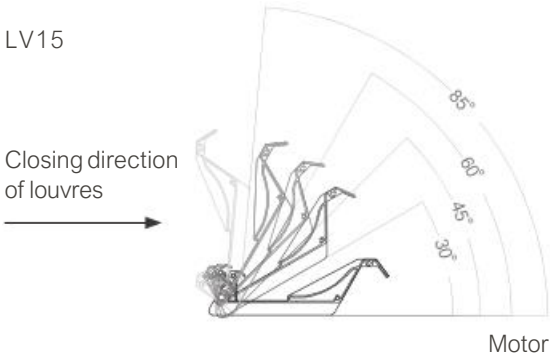


Tilted

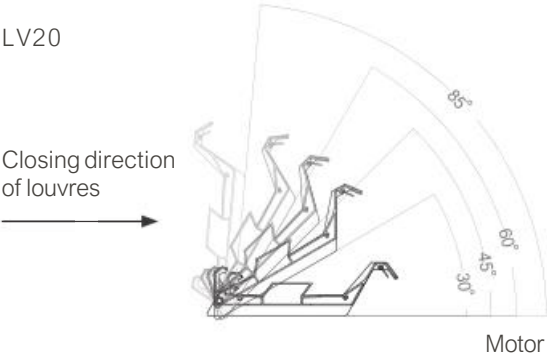


Louvre Closing Direction

LV15



LV20



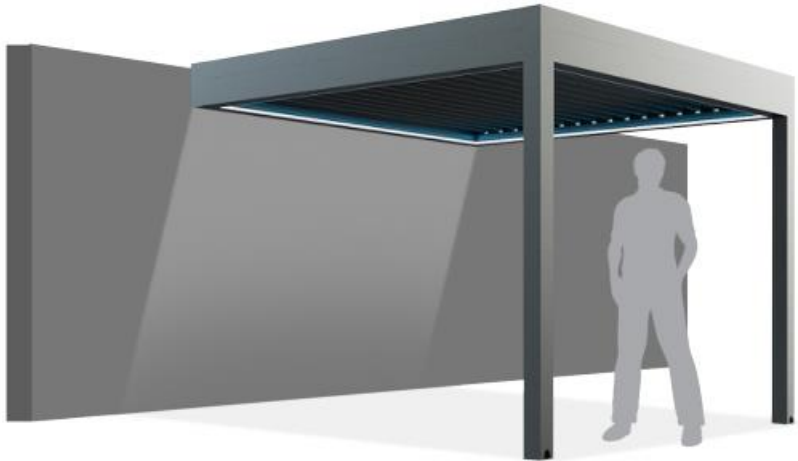
Tilting Directions



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



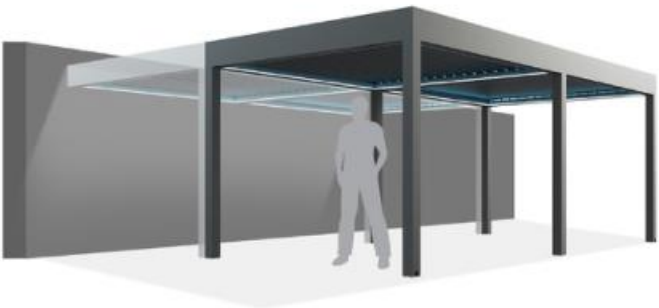
Wall Mounting
Single Module



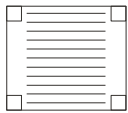
Self Standing
Multiple Modules



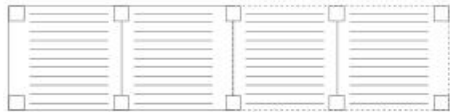
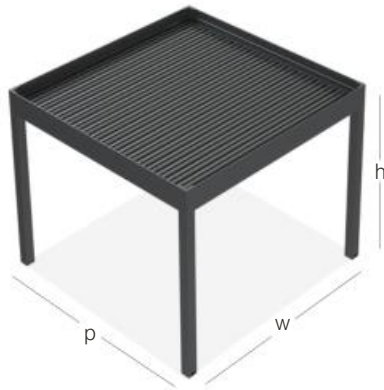
Wall Mounting
Multiple Modules



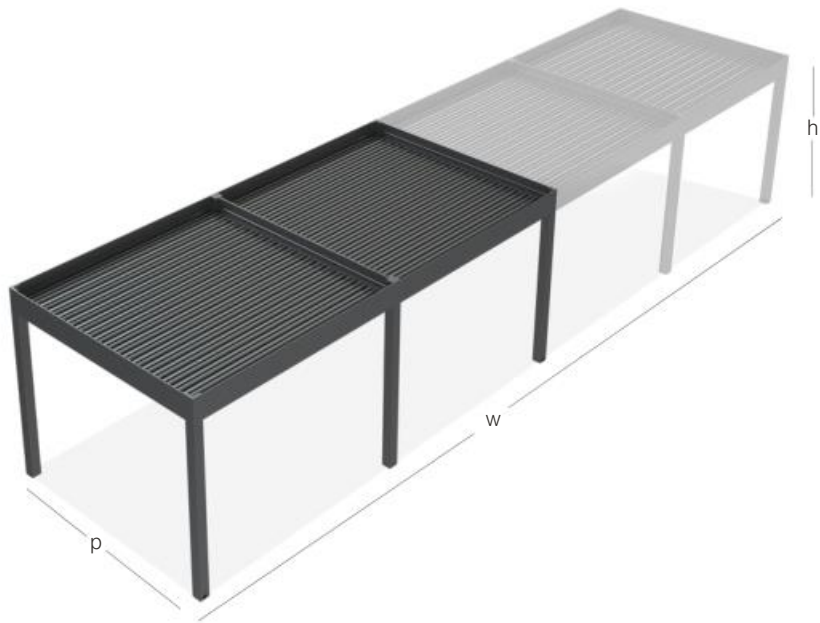
Blocked assembly for customized modules with a wide range of flexible combinations.



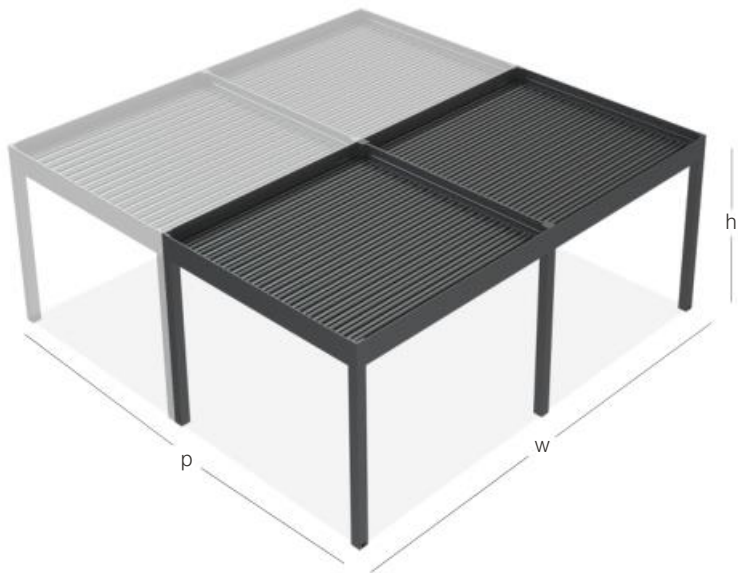
(w) Width
1000 mm < 4500 mm
(p) Projection
LV15 1174mm < 7810mm
LV20 1474mm < 7922mm
(h) Height
3000 mm



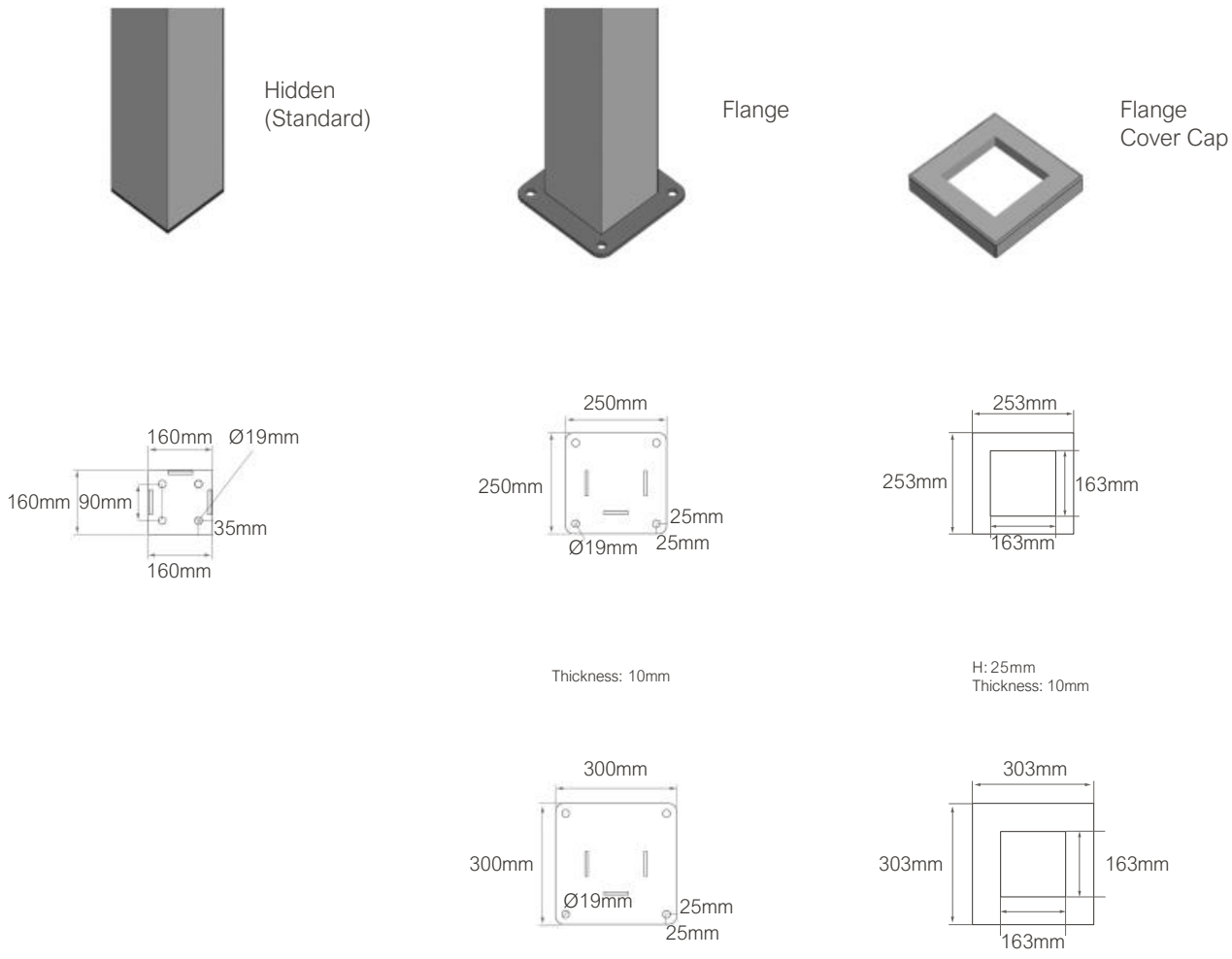
(w) Width
4000 mm < 18000 mm
(p) Projection
LV15 1174mm < 7810mm
LV20 1474mm < 7922mm
(h) Height
3000 mm



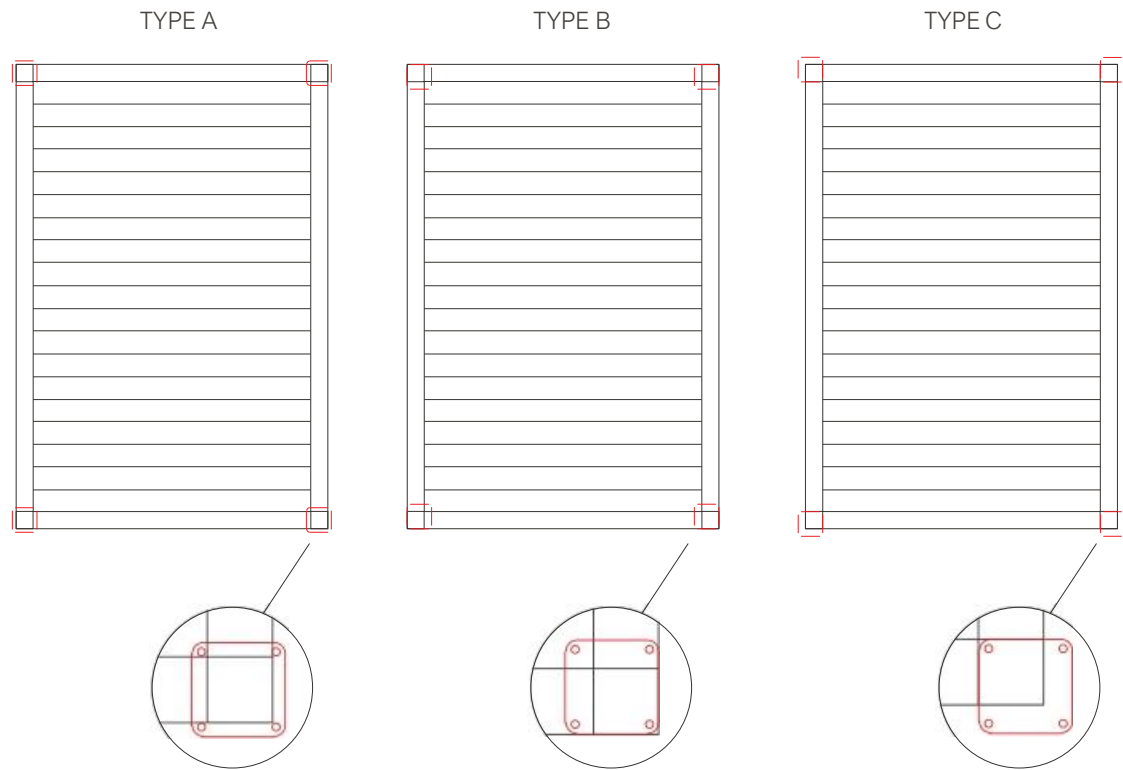
(w) Width
2000 mm < 9000 mm
(p) Projection
LV15 2348mm < 15620mm
LV20 2948mm < 15844mm
(h) Height
3000 mm



Column Base Options

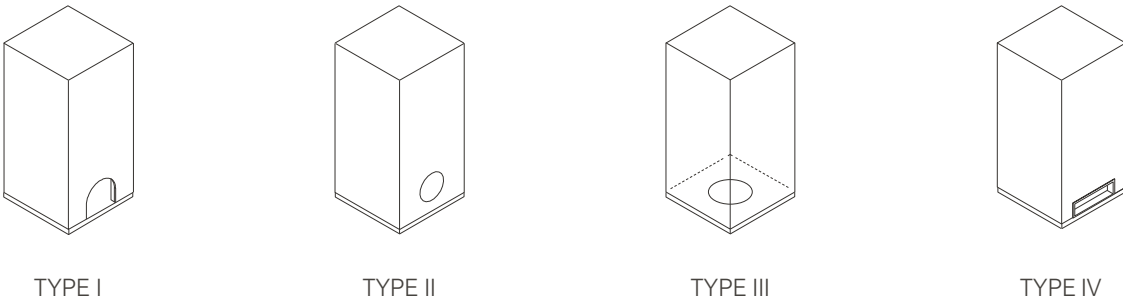


Flange Positions



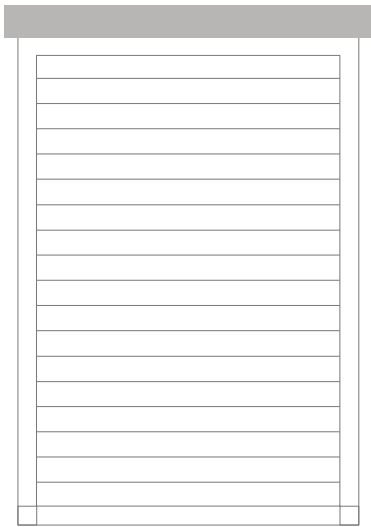
To be chosen only with flange option.

Drainage Types

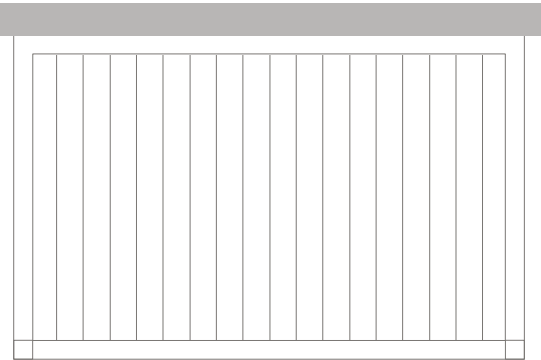


Wall Installation Louvre Positions

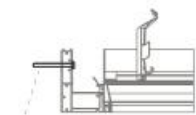
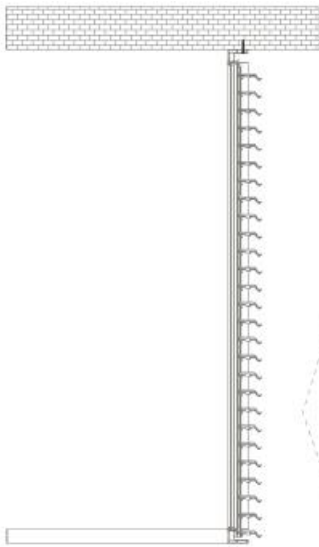
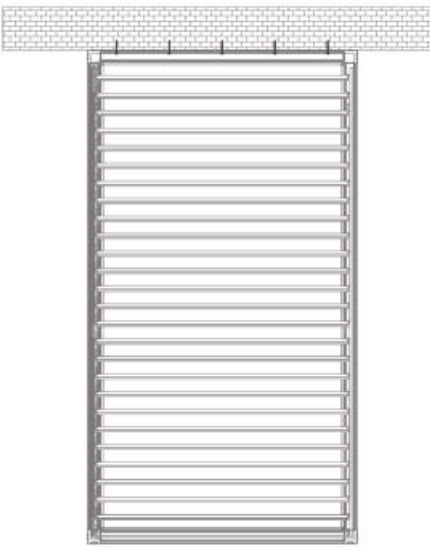
Parallel To Wall



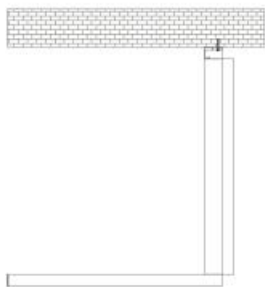
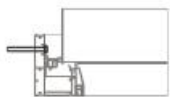
Vertical To Wall



Mounting



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



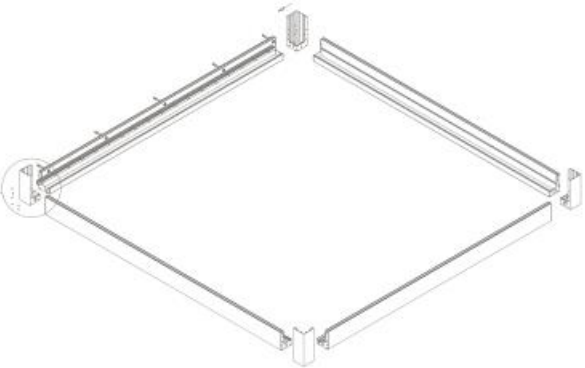
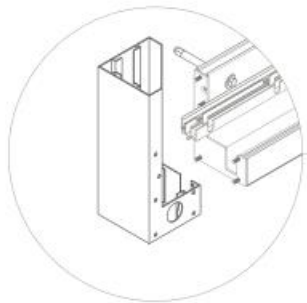
Support Column

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

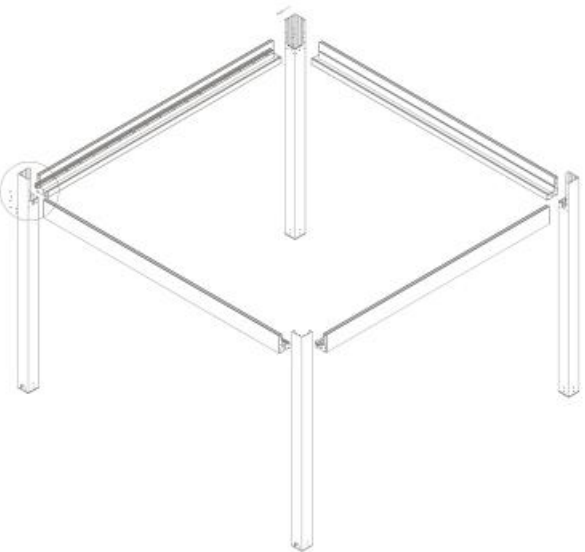
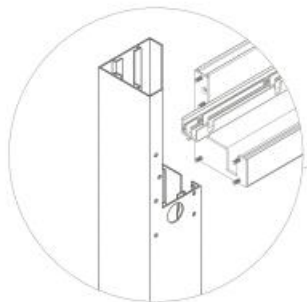


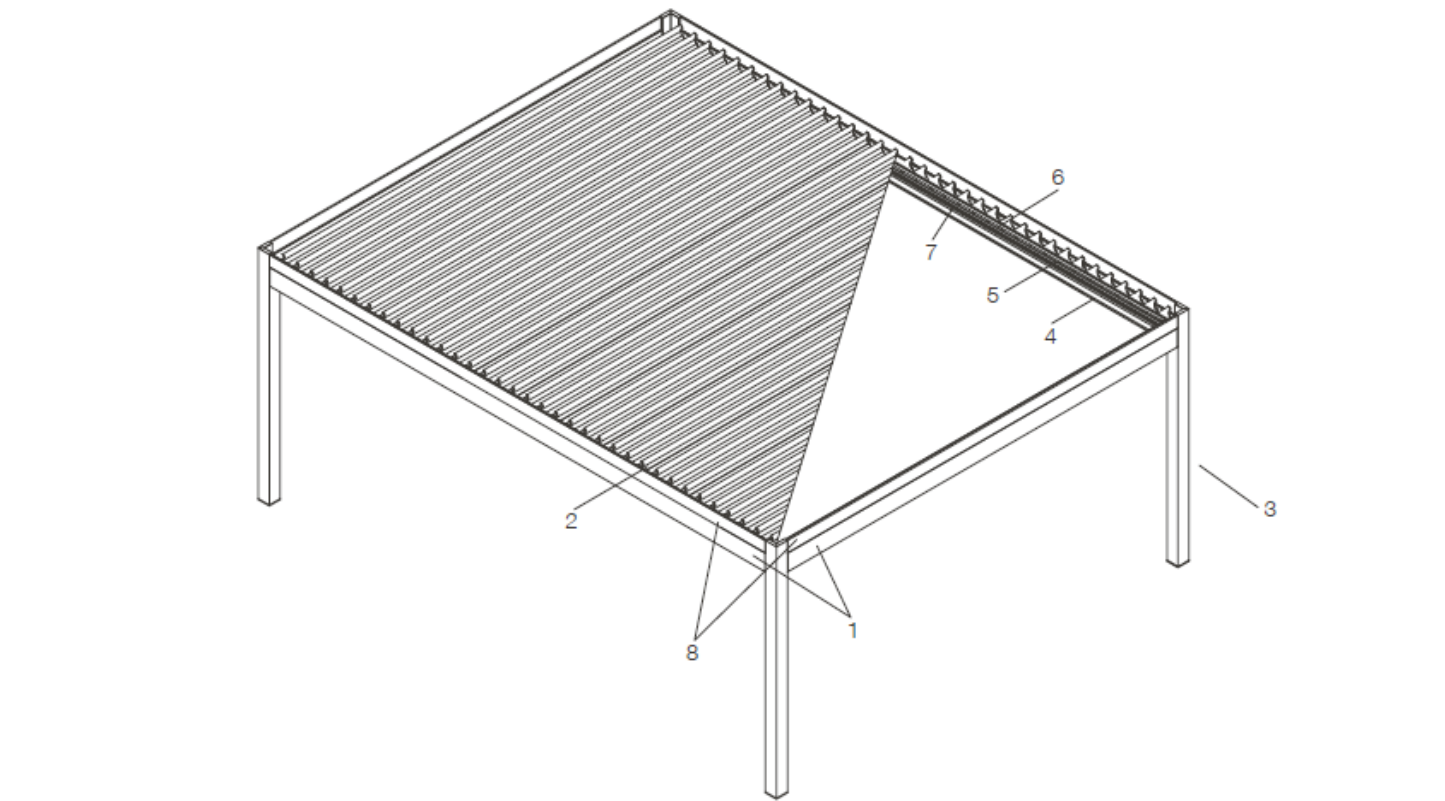
The CNC machine cut corner profiles provide easy gutter and column integration.

Wall Mounting



Self Standing

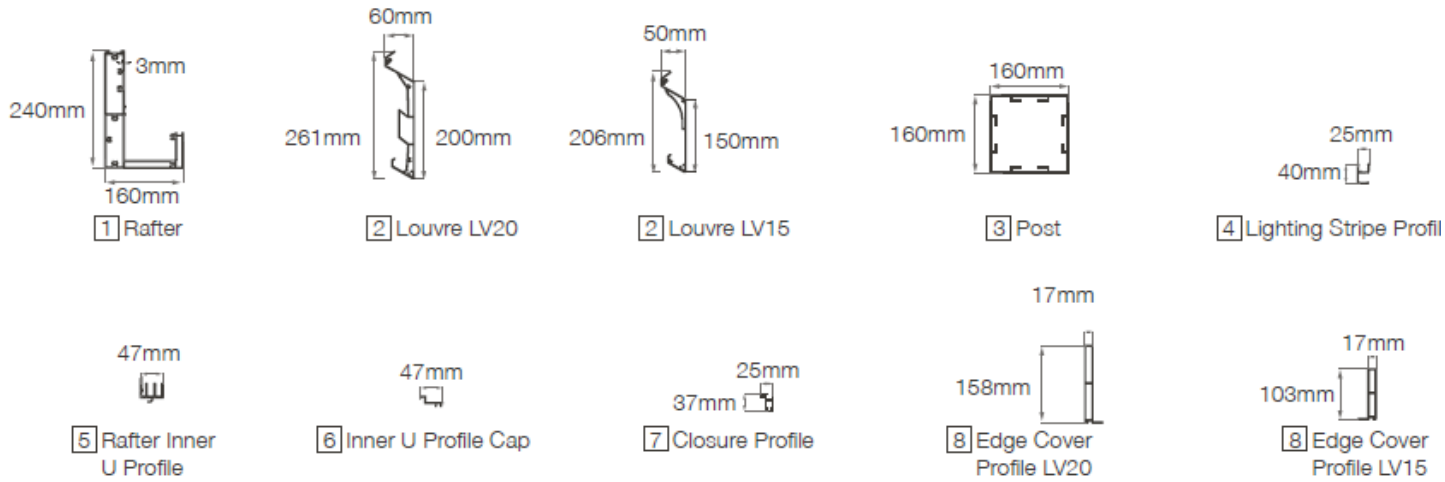
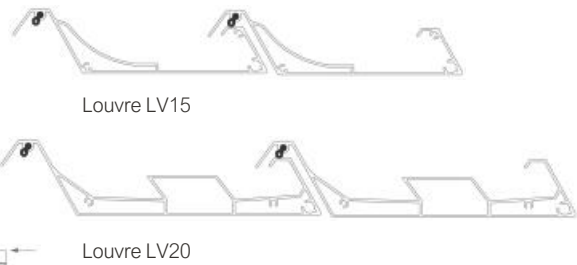
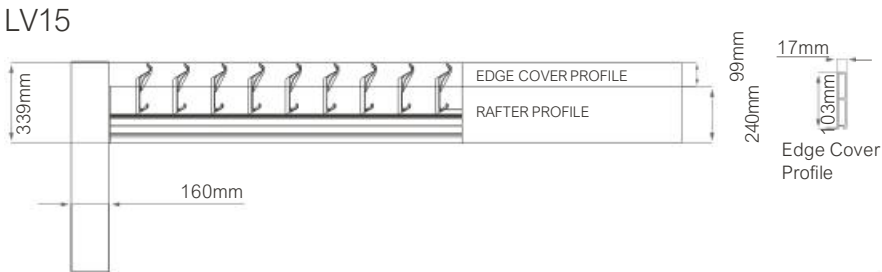


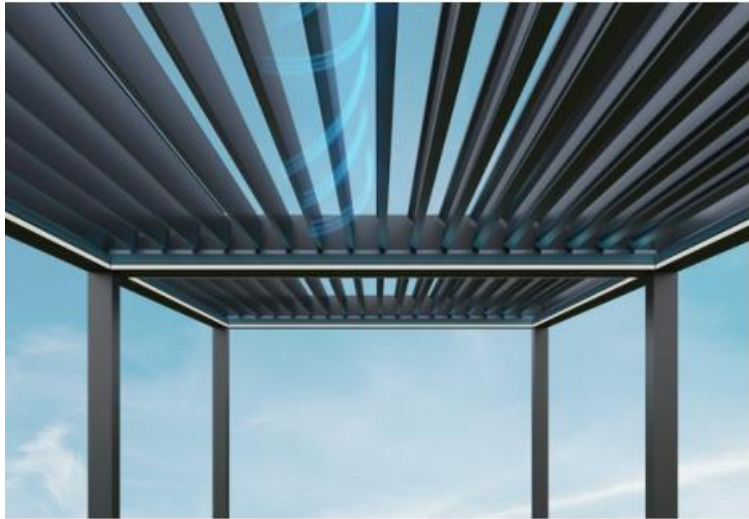


Side Elevation

Louvre Stormguard Seal

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





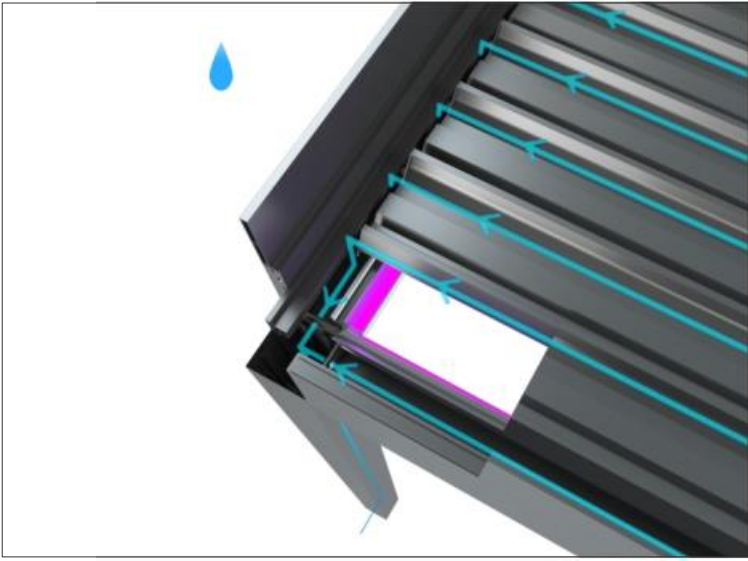
Slightly opening of louvres creates natural air flow for application areas.



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 integrated on louvre channels provides maximum protection from water dripping.

Closures



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



Motorised Windbreaker System
Windbreaker can be combined with also Simplex 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.



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



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



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



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



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

Led Stripe
Dimmer Lighting



Cool White



Day Light

RGB Led-Hidden
Stripe Lighting



Edge Cover Profile

Without Edge Cover Profile



With Edge Cover Profile



Insulation Foam



Dimension Ranges LV15

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

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

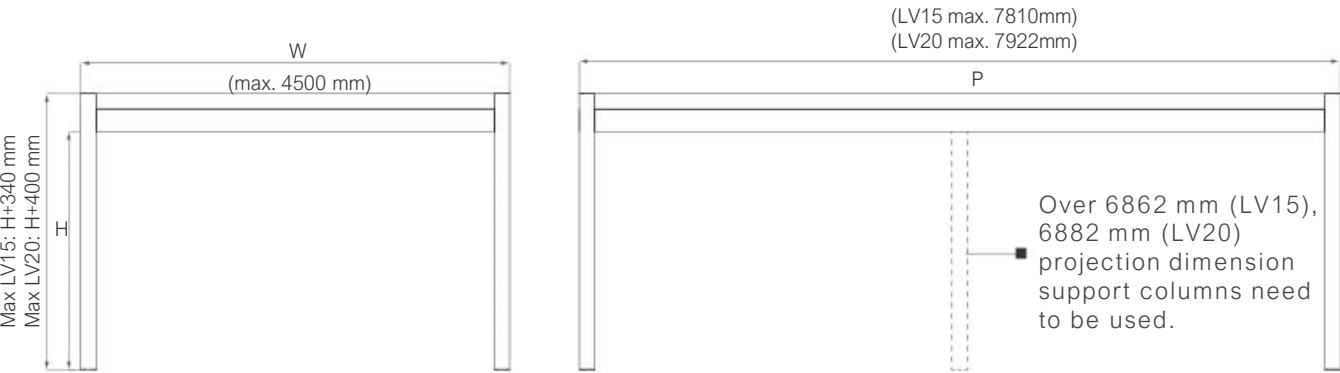
Dimension Ranges LV20

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

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

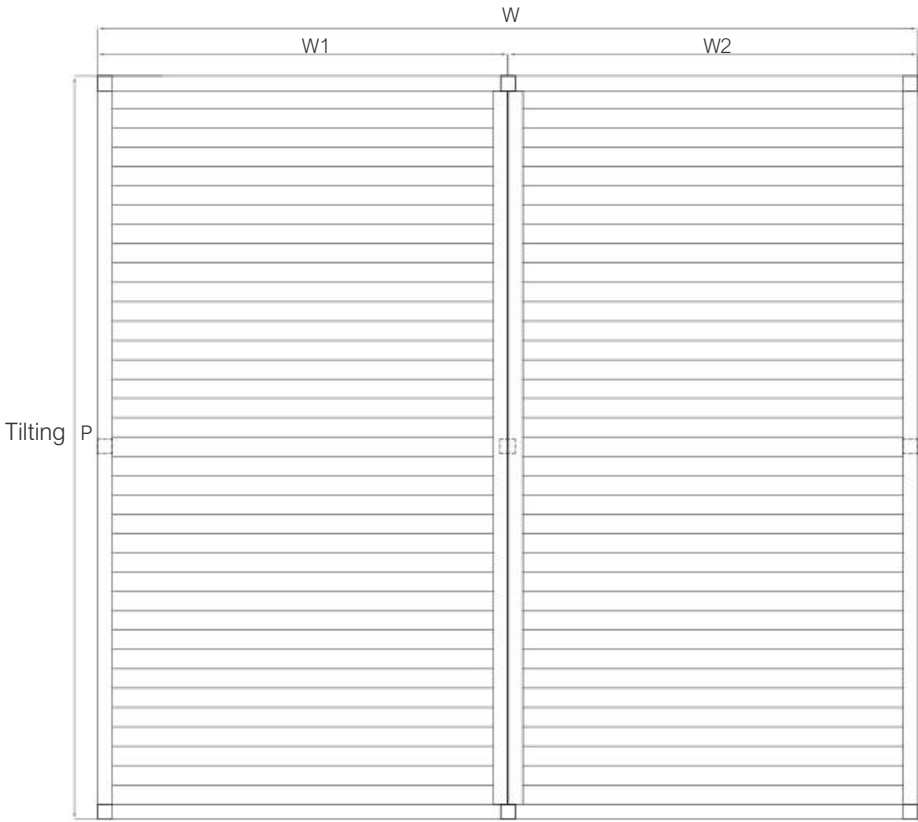
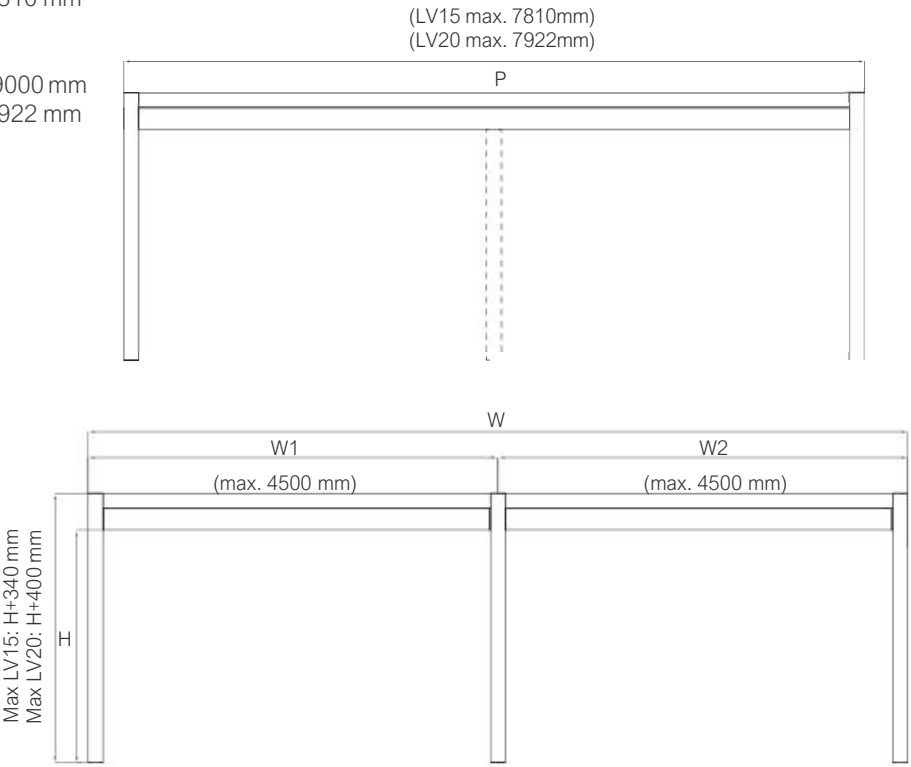
Single Module
LV15
W: 1000 mm < 4500 mm
P: 1174 mm < 7810 mm

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



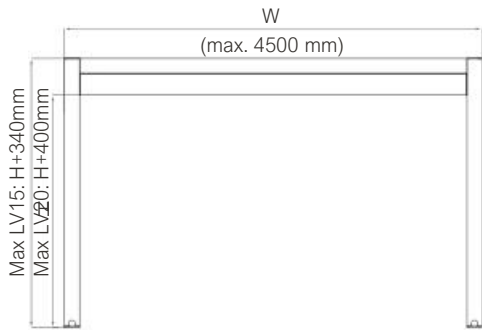
Multiple Modules Type 1
LV15
W: 2000 mm < 9000 mm
P: 1174 mm < 7810 mm

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



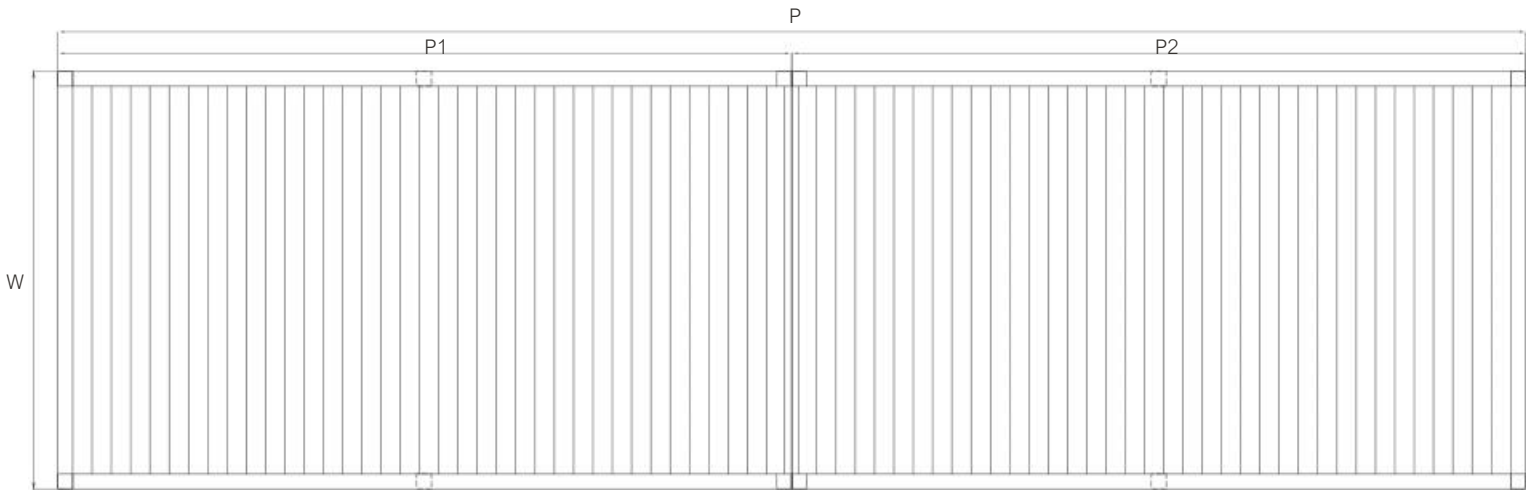
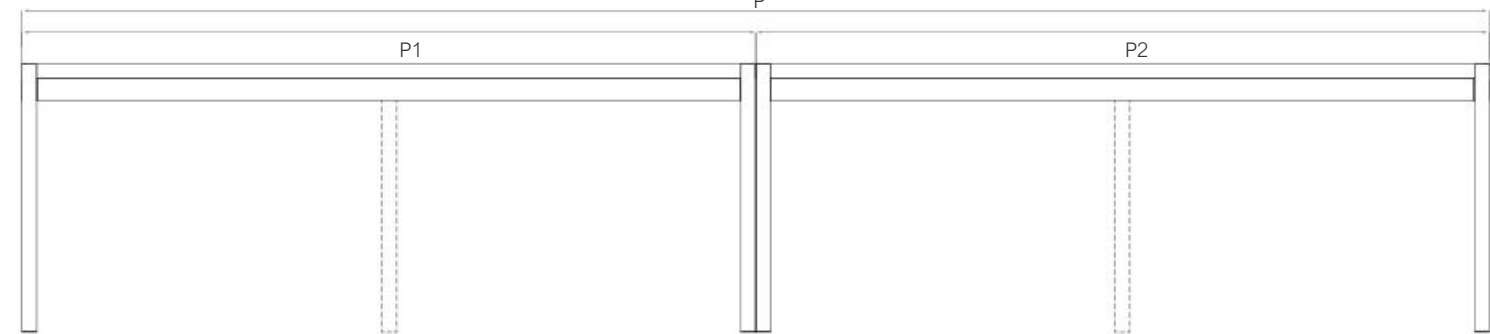
Multiple Modules Type 2
LV15
W: 1000 mm < 4500 mm
P: 2348 mm < 15620 mm

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



LV15 max. 7810mm
LV20 max. 7922mm

LV15 max. 7810mm
LV20 max. 7922mm



Company Name:
Order Reference:

Order Date:

LOUVRE OPTION

- ☐ LV15
☐ LV20

INSTALLATION TYPES

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

QUANTITY: pc

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

DIMENSIONS

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

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

POWDER-COAT COLORS

Structure

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

Louvres

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

LED LIGHTS

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

SENSORS

- ☐ Rain Sensor
☐ Wind Sensor

OPTIONALS

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

COLUMN BASE OPTIONS

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

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

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

PACKAGING

- ☐ Standard
☐ Wooden Crate
Extra cost

☐

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
Simplex

New Generation Outdoor Covering Solutions
Bioclimatic Systems With Tilting Function

Description

Simplex 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 Simplex LV20).
- Fully waterproof coverage when louvres are in fully closed position.

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

II | Profile Section Dimensions

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

III | Installation Methods

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

V | Columns

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

V | Weather Resistance

Wind Resistance

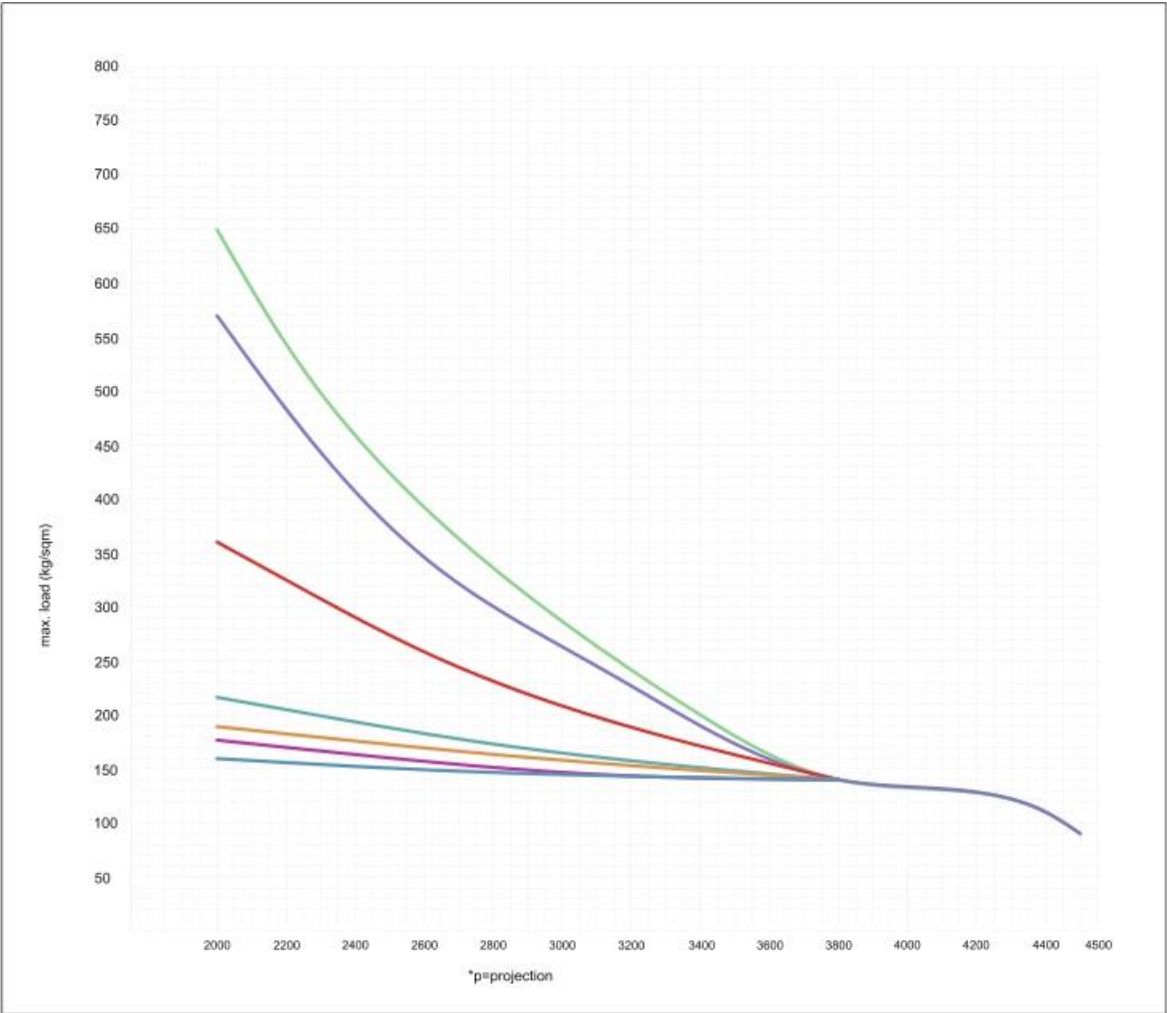
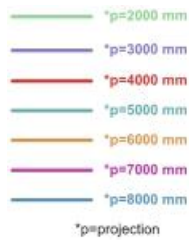
- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

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

Snow load

See dimension based snow chart below.



VI | Tests

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

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

Wind
load



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

Snow
load



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

Rain load



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

VII | Additional Equipments

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

VIII | Lighting

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

- **Led Stripe Dimmer Lighting**
Cool White, 60 LEDs/m l +5100-6500K l 1130 lumens/m
Day Light, 120 LEDs/m l +2800-3500K l 1094 lumens/m
- **RGB Led-Hidden Stripe Lighting**
60 LEDs/m

IX | Sensors

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

Wind sensor

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

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

Rain sensor

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

X | Closures

Systems can be completely enclosed with Saphir automatic vertical glass system, windbreaker system, Glassfix, Frame, Slide or motorised Vertiflex zip for further protection from the elements.

Saphir

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

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

Cycle

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

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

Windbreaker

Windbreaker is an automatic vertical up-down glass panel.

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

Glassfix

Glassfix glass balustrade system.

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

Frame

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

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

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

Slide

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

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

Vertiflex Zip System

Vertiflex is a motorised external blind system.

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

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

Alufix

Alufix is an aluminum louvered fixed wall system.

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

Doors

Glass door

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

Framed glass door

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

- Pull Handle/ Lock.

Photocell Door

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

XI | Structure Color Options / Finishes

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

XII | Warranty

	Simplex	Saphir	Cycle	Windbreaker	Glassfix	Frame	Slide	Vertiflex	Alufix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

LV15



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional

Edge Cover Profile

Without Edge Cover Profile



With Edge Cover Profile



Installation Types

Self Standing Single Module



Wall Mounting Single Module



Self Standing Multiple Modules



Wall Mounting Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Closures

Saphir& Cycle



Windbreaker



Glassfix



Frame



Slide



Vertifle x



Alufix



Operations

LV20



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional

Insulation Foam



Edge Cover Profile

Without



With



Installation Types

Self Standing Single Module



Wall Mounting Single Module



Self Standing Multiple Modules



Wall Mounting Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Closures

Saphir& Cycle



Windbreaker



Glassfix



Frame



Slide



Vertifle x



Alufix





SIMPLEX MAX

Enlarge and optimise your outdoor living spaces

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

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

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

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

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

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

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

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

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

Led Stripe Dimmer Lighting

RGB Led-Hidden Stripe Lighting



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

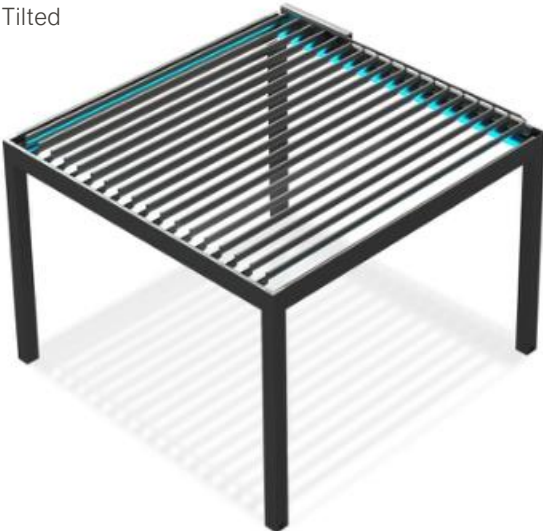
RGB Led-Hidden Stripe Lighting provides ultimate luxury by creating distinctive atmosphere in outdoor living areas with infinitive colour options.

Operations

Fully Closed



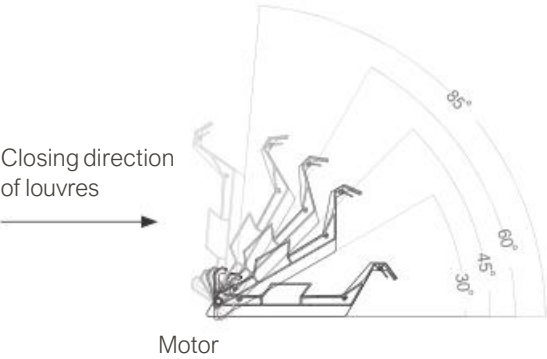
Tilted



Tilted & Fully Closed



Louvre Closing Direction



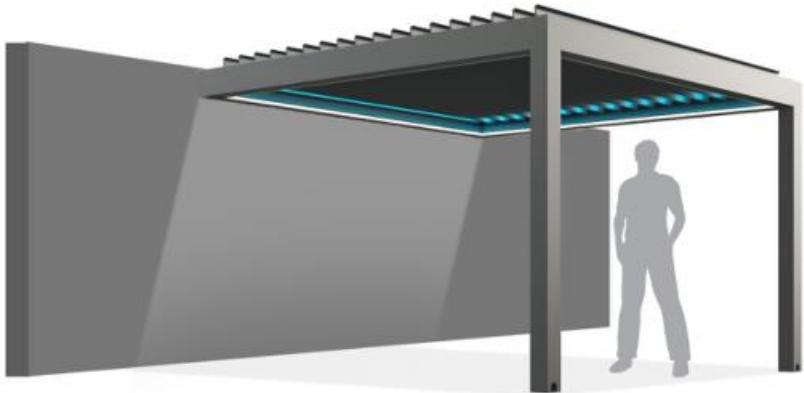
Tilting Directions



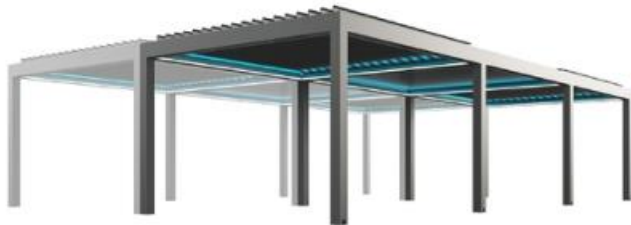
Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



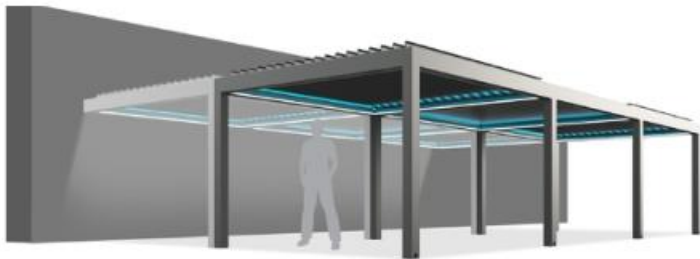
Self Standing
Single Module



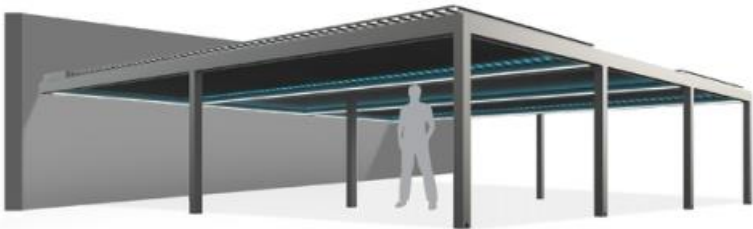
Wall Mounting
Single Module



Self Standing
Multiple Modules



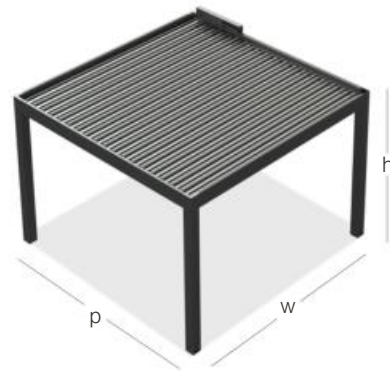
Wall Mounting
Multiple Modules



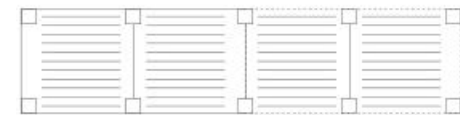
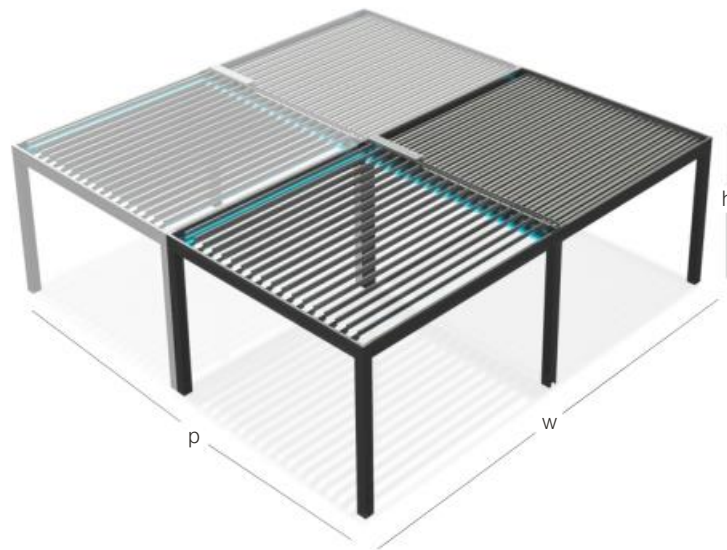
Blocked assembly for customized modules with a wide range of flexible combinations.



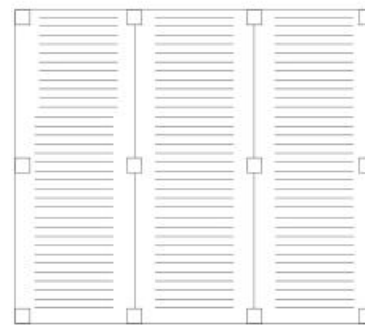
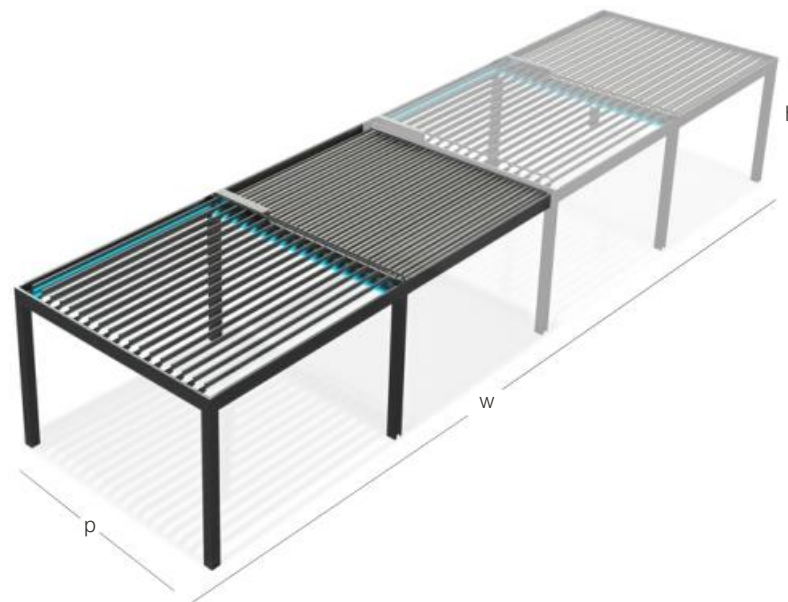
(w) Width
1000 mm < 4500 mm
(p) Projection
1484mm < 12092mm
(h) Height
3000 mm



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



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

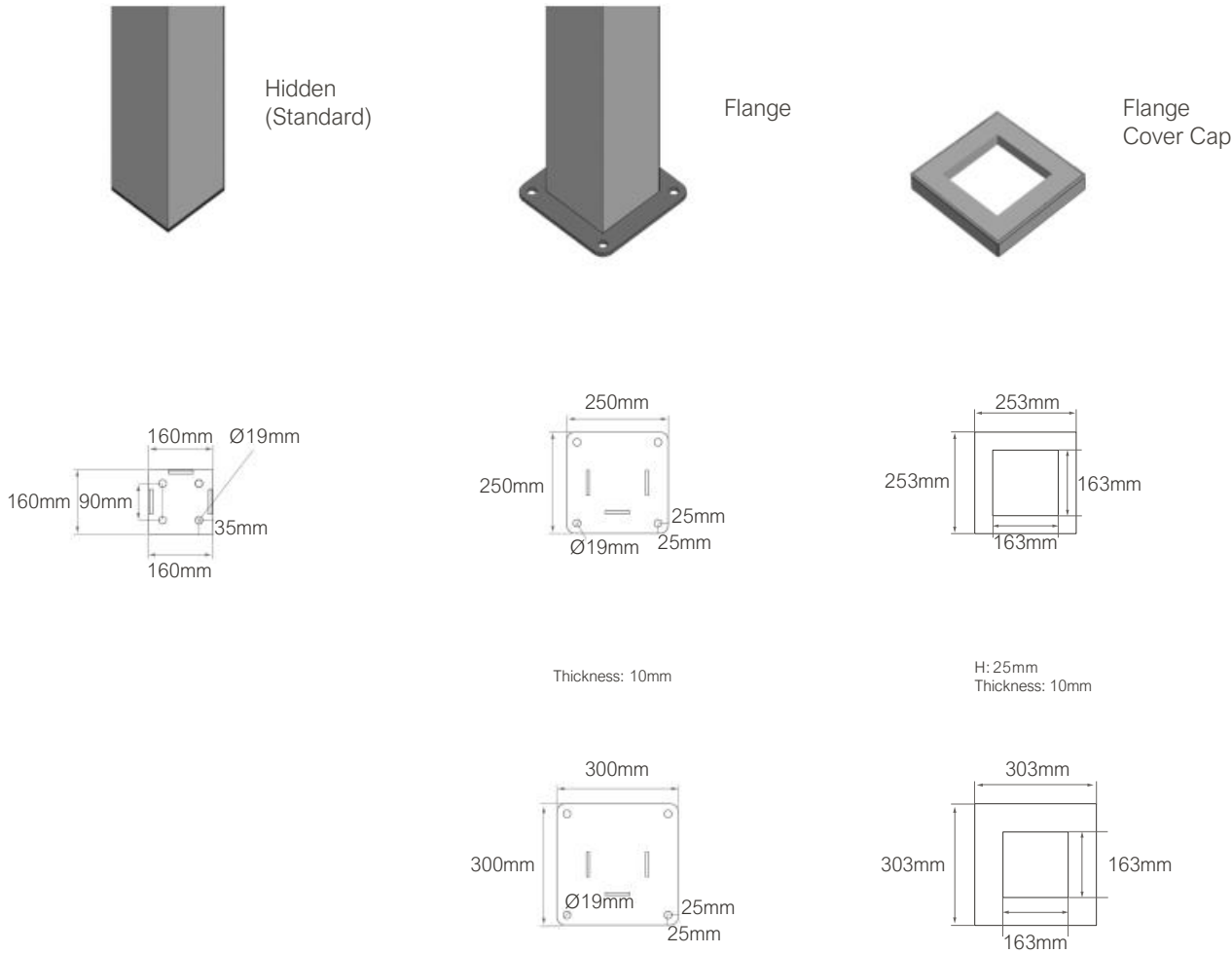


(w) Width
3000 mm < 13500 mm
(p) Projection
1484mm < 12092mm
(h) Height
3000 mm

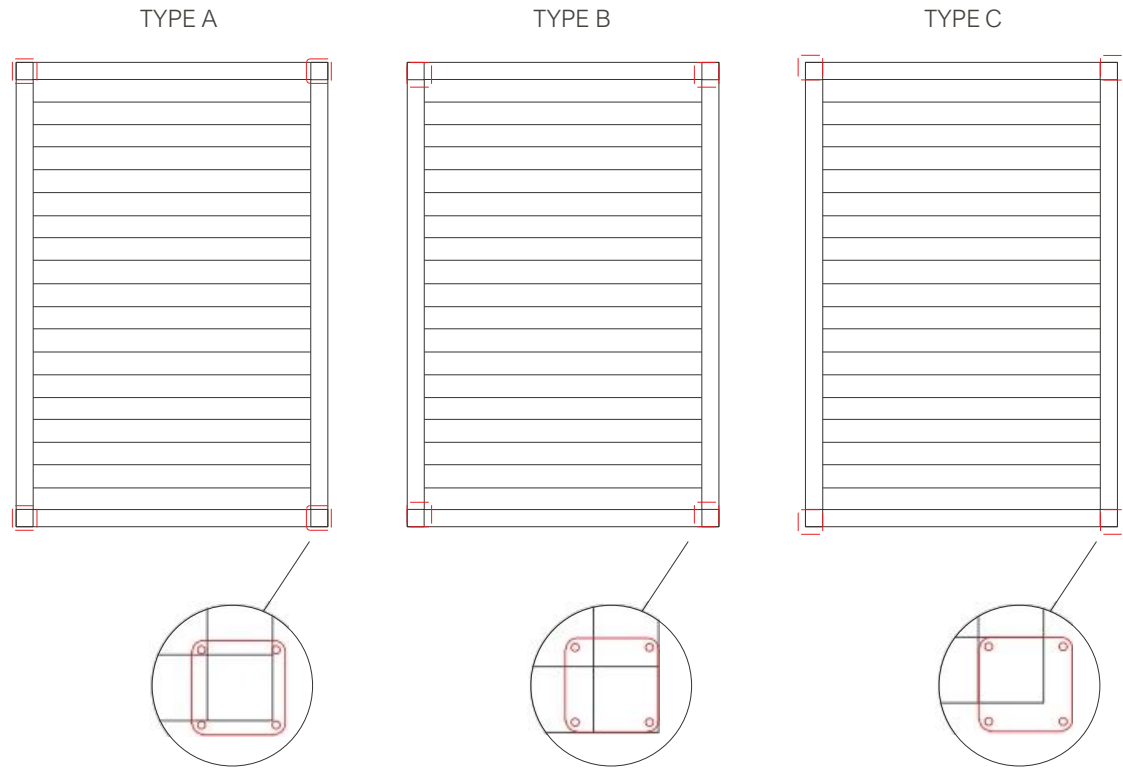


Special double sided single rafter integration to enlarge module dimensions.

Column Base Options

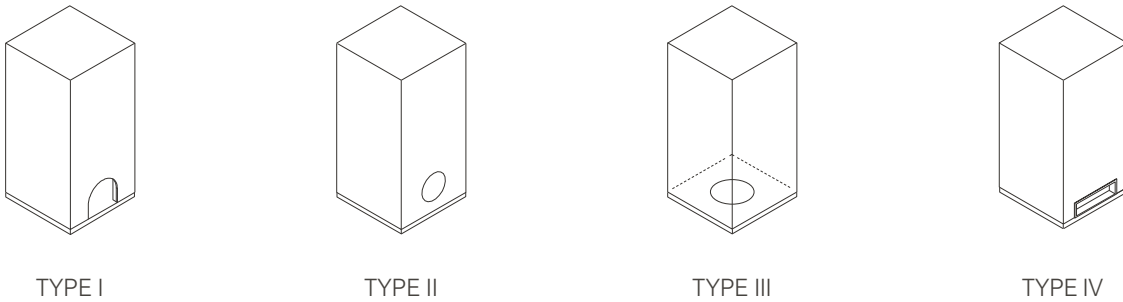


Flange Positions



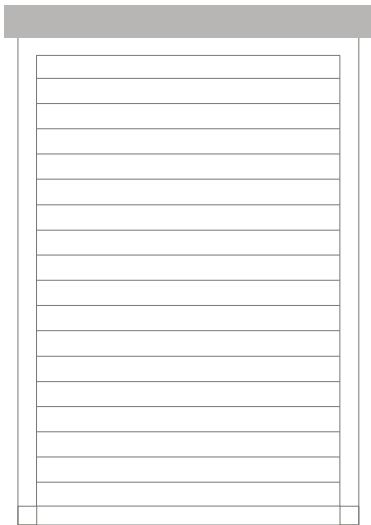
To be chosen only with flange option.

Drainage Types

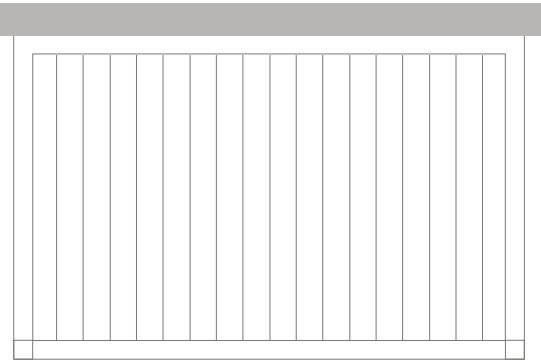


Wall Installation Louvre Positions

Parallel To Wall

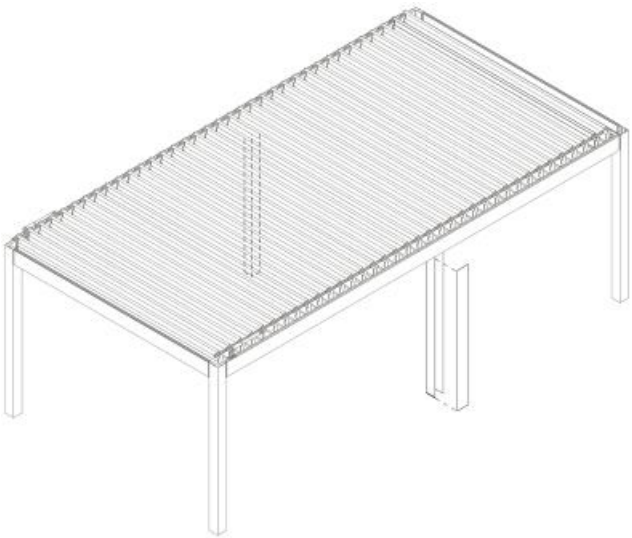


Vertical To Wall

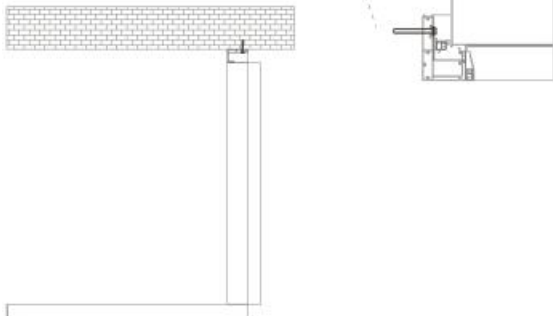
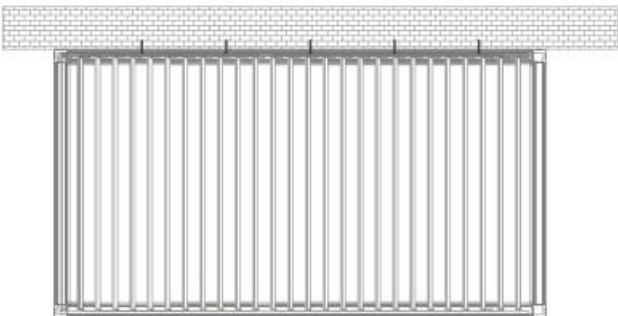
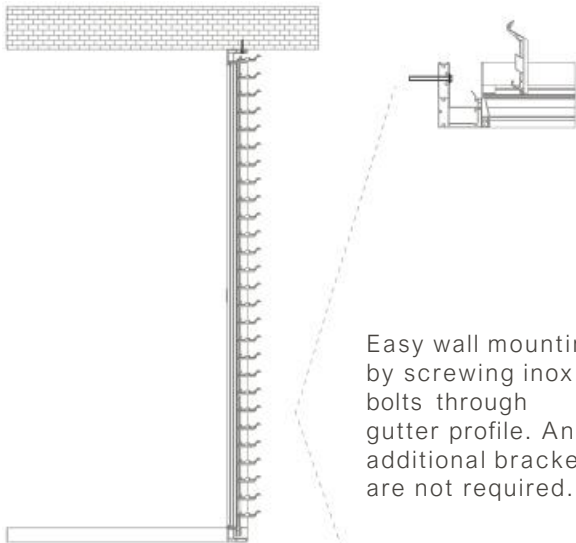


Support Column

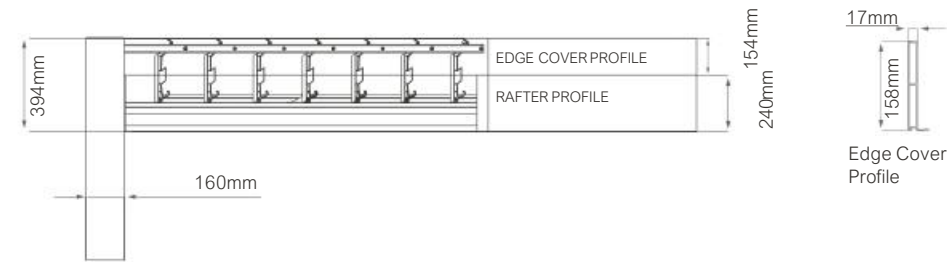
Over 6882 mm projection dimension support columns need to be used.



Mounting



Side Elevation

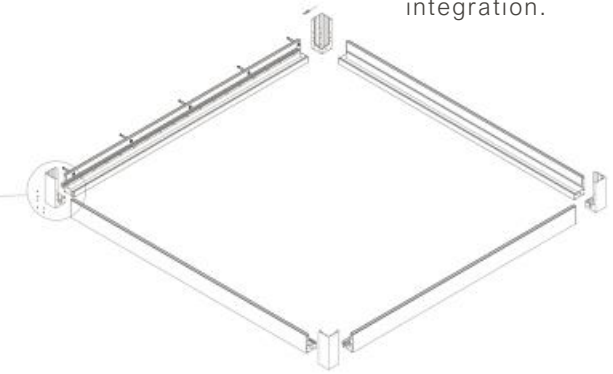
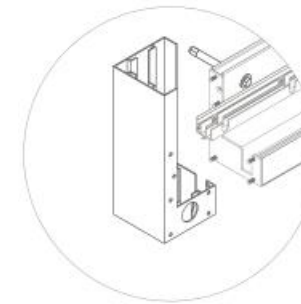


Louvre Stormguard Seal

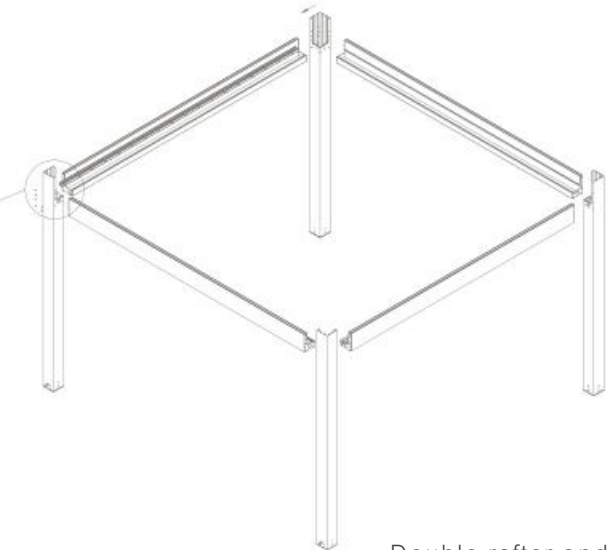
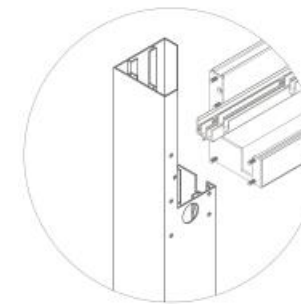
Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.



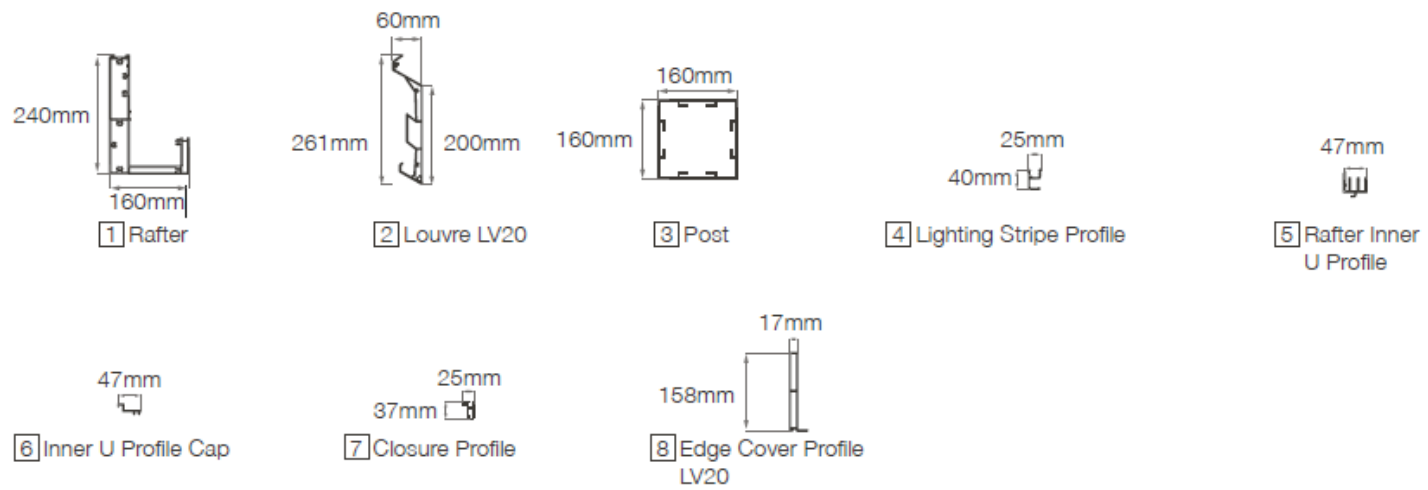
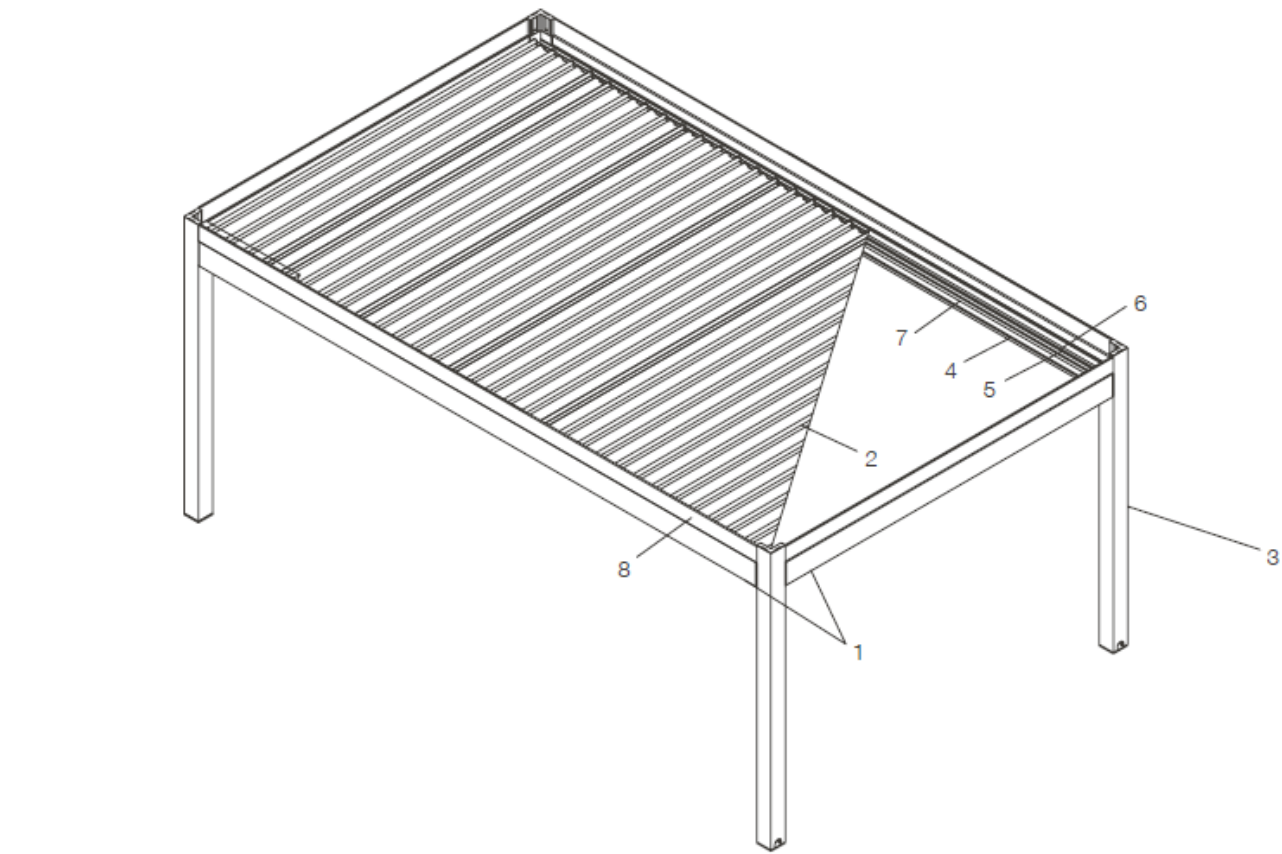
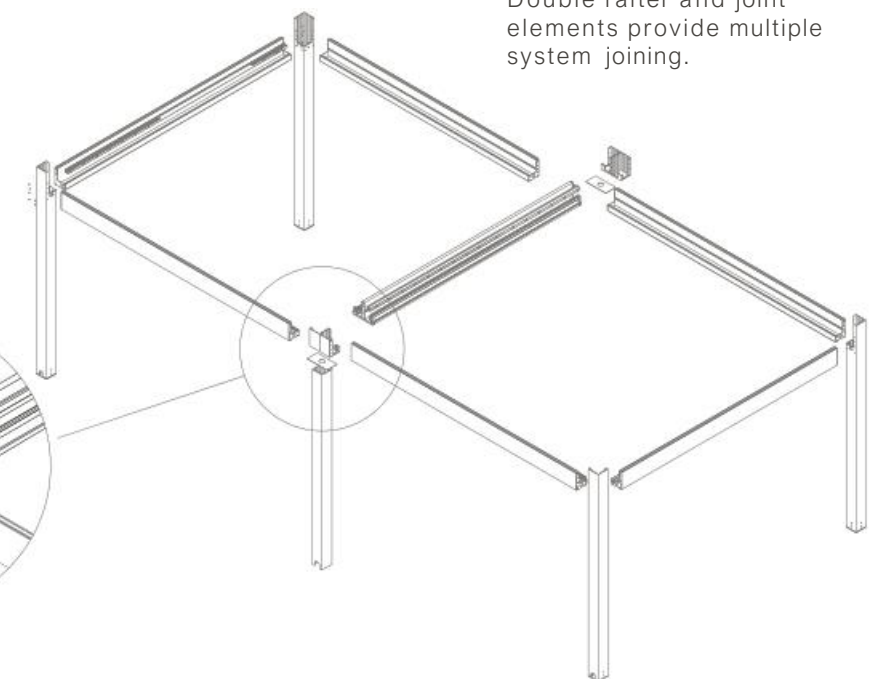
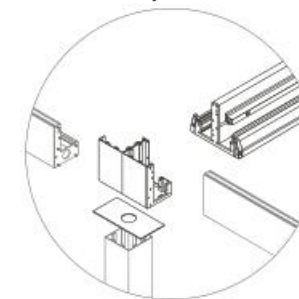
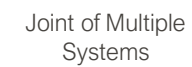
The CNC machine cut corner profiles provide easy gutter and column integration.

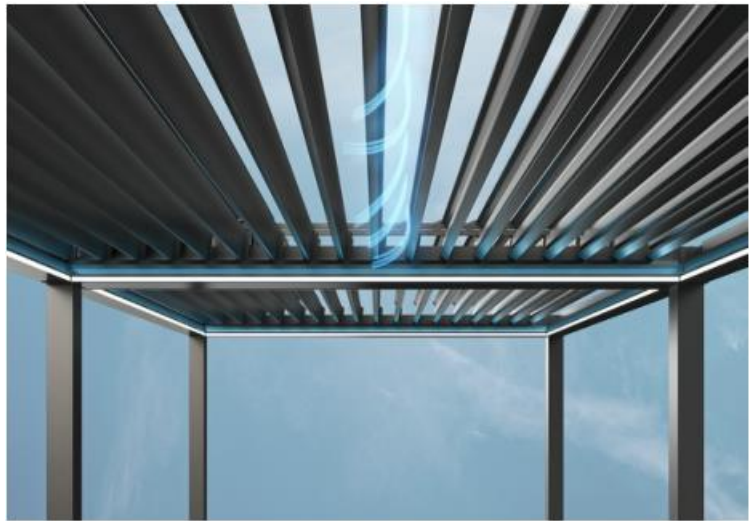


Self Standing



Double rafter and joint elements provide multiple system joining.

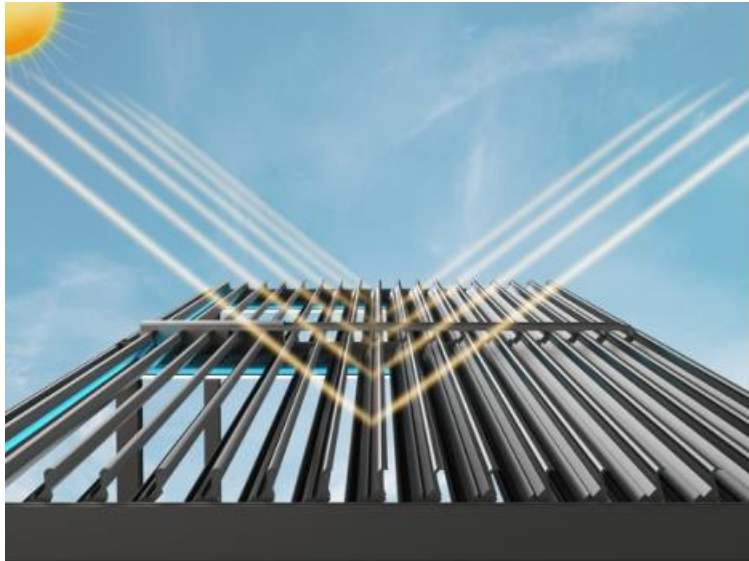




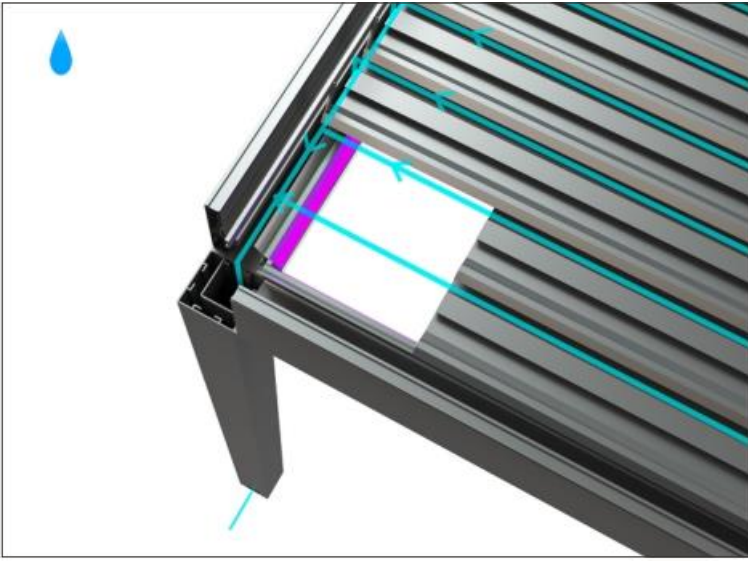
Slightly opening of louvres creates natural air flow for application areas.



Ensuring waterproof coverage when louvres are in fully closed position.



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



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



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

Closures



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



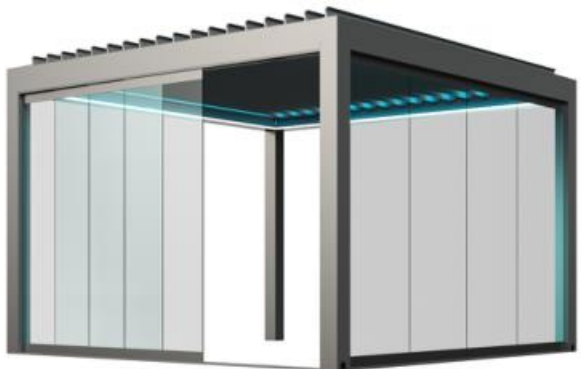
Motorised Windbreaker System
Windbreaker can be combined with also Simplex Max system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal.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



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



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



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



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



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

Led Stripe
Dimmer Lighting



Cool White



Day Light

RGB Led-Hidden
Stripe Lighting



Edge Cover Profile

Without Edge Cover Profile



With Edge Cover Profile



Insulation Foam

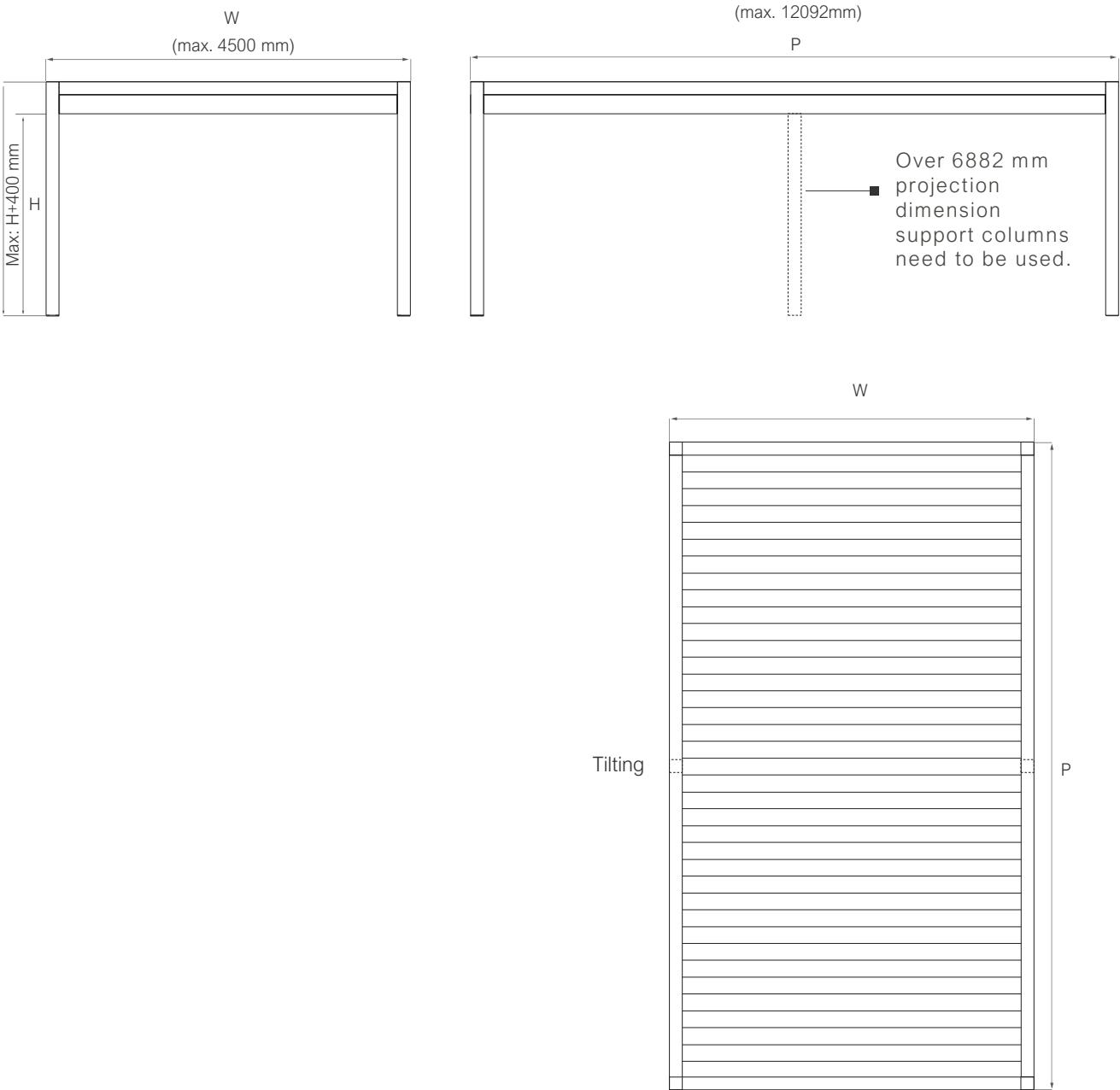


Dimension Ranges

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

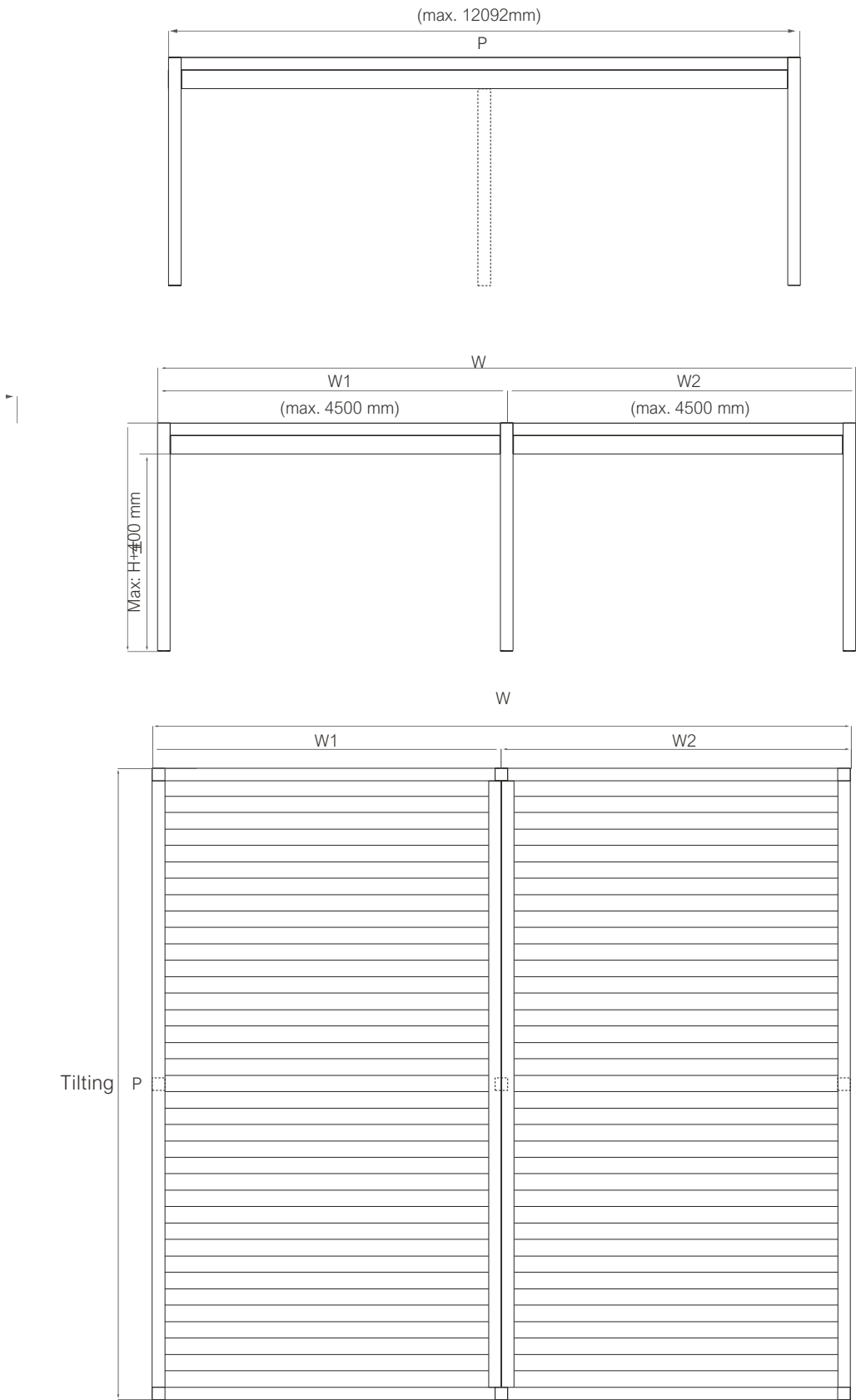
Width dimension: Any customised values between 1800mm and 13500mm
Projection dimension: Adjustable according to louver quantity

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

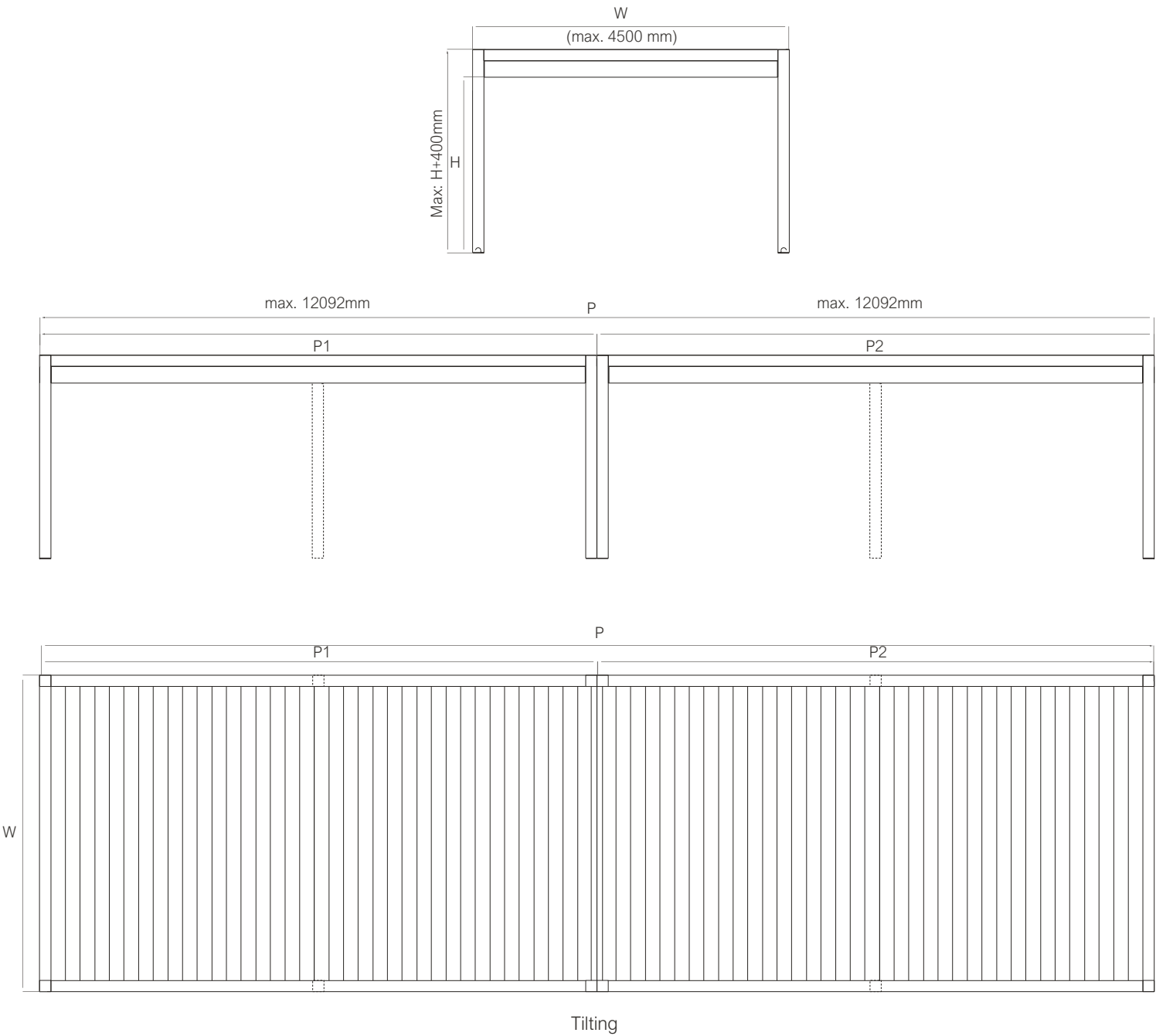


SIMPLEX MAX

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



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



Company Name:
Order Reference:

Order Date:

INSTALLATION TYPES

- ☐ Self Standing
- ☐ Wall Mounting

☐ Louvres Parallel to Wall

☐ Louvres Vertical to Wall

QUANTITY: pc

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

- One module 4500x12092 mm

- Two modules 9000x12092 mm

- Three modules 13500x12092 mm

DIMENSIONS

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

☐ Type 1

W1 mm

W2 mm

W3 mm

....

☐ Type 2

P1 mm

P2 mm

P3 mm

....

POWDER-COAT COLORS

Structure

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

Louvres

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

LED LIGHTS

- ☐ Led Stripe Dimmer Lighting

☐ Cool White

☐ Day Light
- ☐ RGB Led - Hidden Stripe Lighting

SENSORS

- ☐ Rain Sensor
- ☐ Wind Sensor

OPTIONALS

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

COLUMN BASE OPTIONS

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

FLANGE POSITIONS

- ☐ Type A
- ☐ Type B
- ☐ Type C

DRAINAGE TYPES

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

PACKAGING

- ☐ Standard
- ☐ Wooden Crate

Extra cost

Technical Details



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

Technical Specifications
Simplex Max

New Generation Outdoor Covering Solutions
Bioclimatic Systems With Tilting Function

Description

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

Dimensions

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

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

Technical Characteristics

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

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

II | Profile Section Dimensions

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

III | Installation Methods

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

V | Columns

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

V | Weather Resistance

Wind Resistance

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

Water Drainage

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

VI | Tests

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

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

Wind
load



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

Snow
load



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

*Values will be decreased based width and projection dimensions.

Rain
load



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

VII | Additional Equipments

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

VIII | Lighting

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

- Led Stripe Dimmer Lighting

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

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

- RGB Led-Hidden Stripe Lighting

60 LEDs/m

IX | Sensors

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

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

Wind sensor

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

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

Rain sensor

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

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

X | Closures

Systems can be completely enclosed with Saphir automatic vertical glass system, windbreaker system, Glassfix, Frame, Slide or motorised Vertiflex zip for further protection from the elements.

Saphir

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

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

Cycle

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

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

Windbreaker

Windbreaker is an automatic vertical up-down glass panel.

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

Glassfix

Glassfix glass balustrade system.

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

Frame

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

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

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

Slide

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

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

Vertiflex Zip System

Vertiflex is a motorised external blind system.

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

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

Alufix

Alufix is an aluminum louvered fixed wall system.

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

Doors

Glass door

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

Framed glass door

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

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

Photocell Door

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

XI | Structure Color Options / Finishes

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

XII | Warranty

	Simplex Max	Saphir	Cycle	Windbreaker	Glassfix	Frame	Slide	Vertiflex	Alufix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Operations



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Optional

Insulation Foam



Edge Cover Profile

Without



With

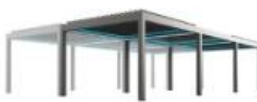


Installation Types

Self Standing
Single Module



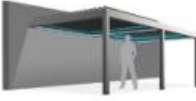
Self Standing
Multiple Modules



Wall Mounting
Single Module



Wall Mounting
Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Closures

Saphir&
Cycle



Windbreaker



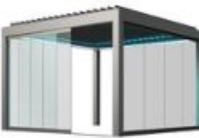
Glassfix



Frame



Slide



Vertifle
x



Alufix





ELEGANCE

Innovative concept - Intelligence & elegance adding to outdoor living spaces

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

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

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

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

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

■ RGB Led-Hidden Stripe Lighting

■ Led Stripe Dimmer Lighting



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

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

Operations

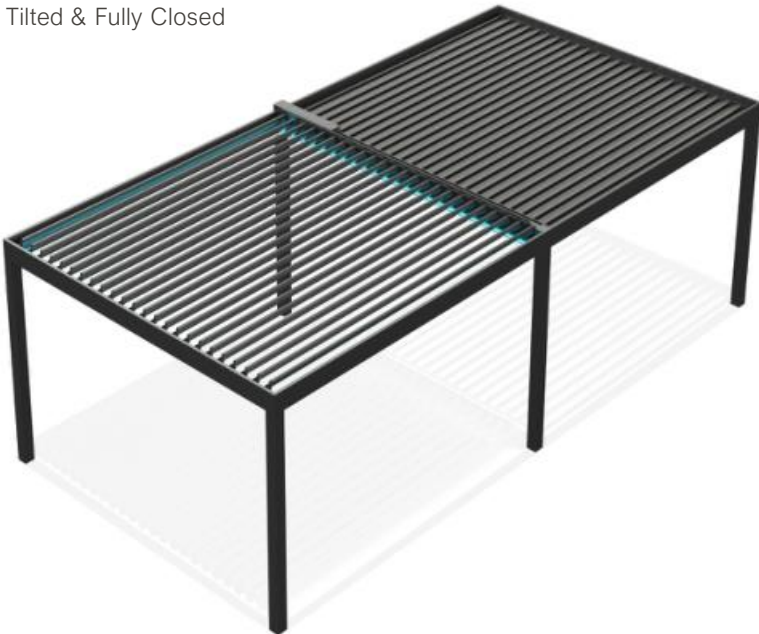
Fully Closed



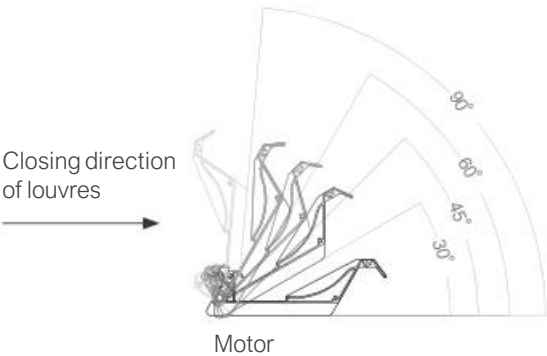
Tilted



Tilted & Fully Closed



Louvre Closing Direction



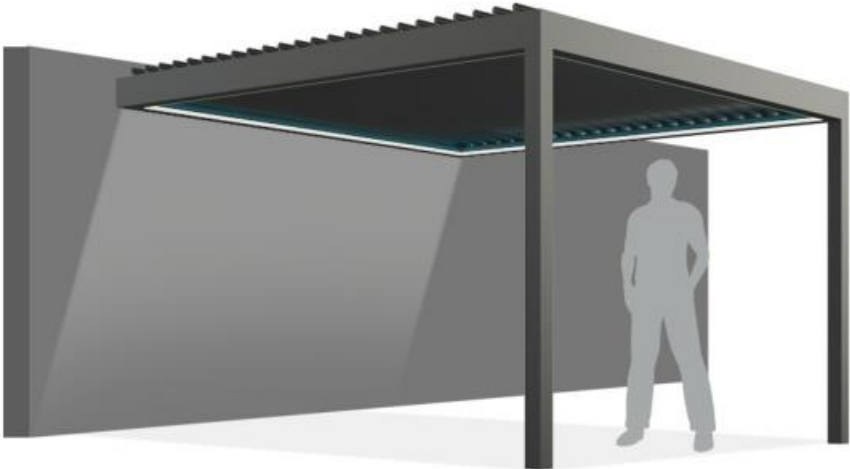
Tilting Directions



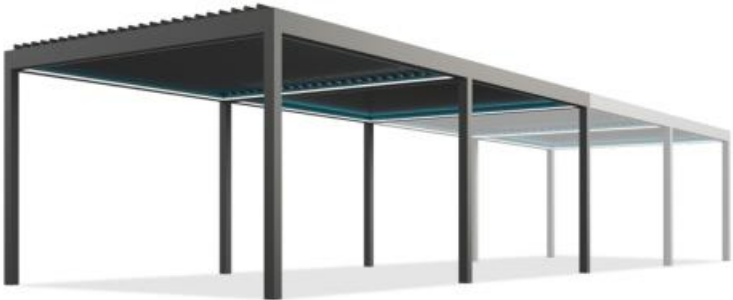
Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



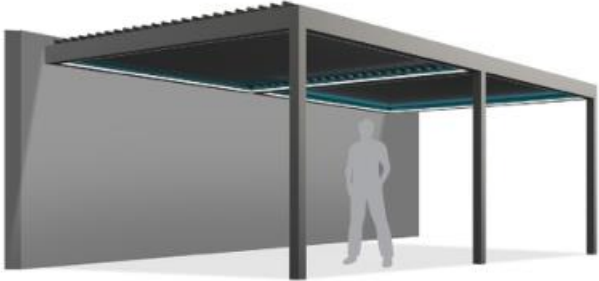
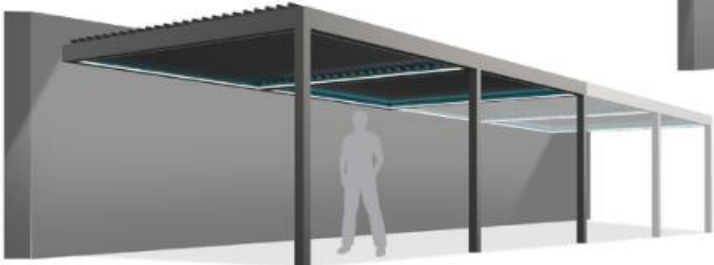
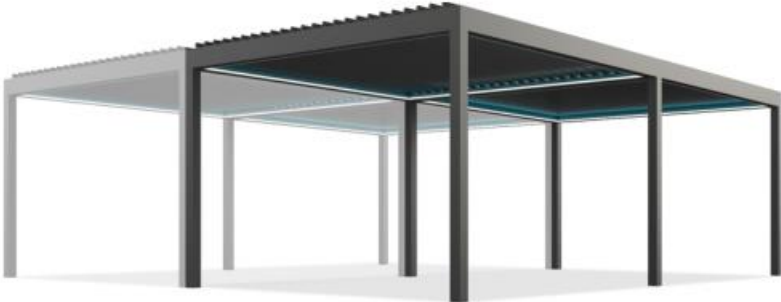
Self Standing
Single Module



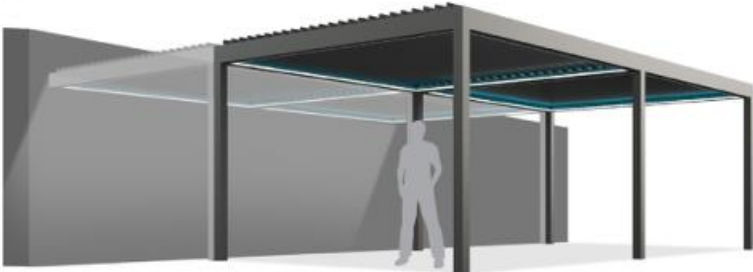
Wall Mounting
Single Module



Self Standing
Multiple Modules



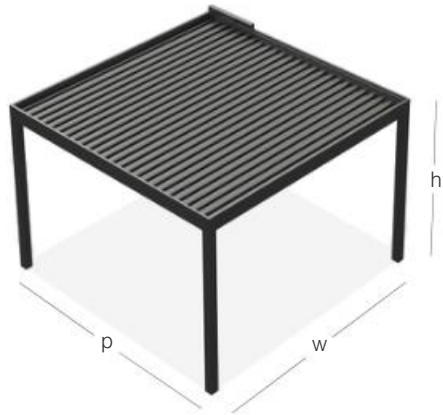
Wall Mounting
Multiple Modules



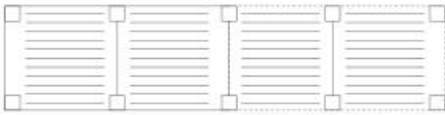
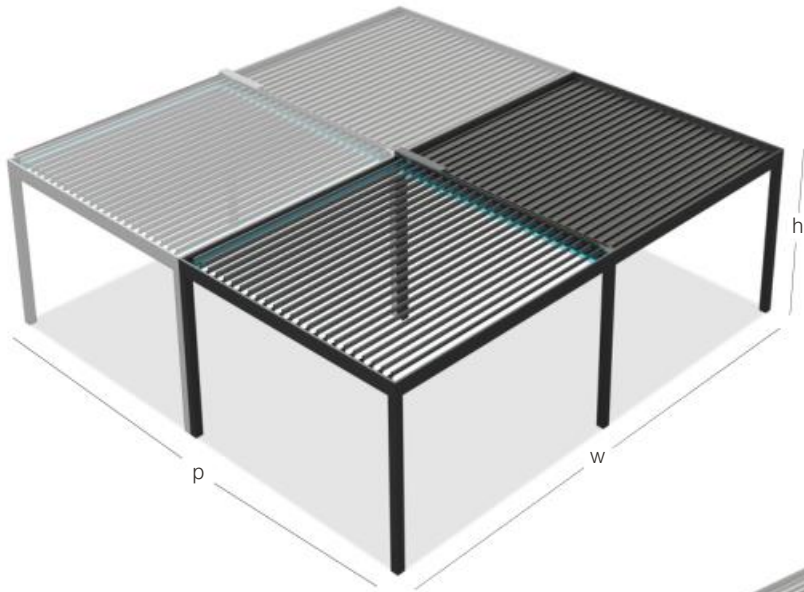
Blocked assembly for customized modules with a wide range of flexible combinations.



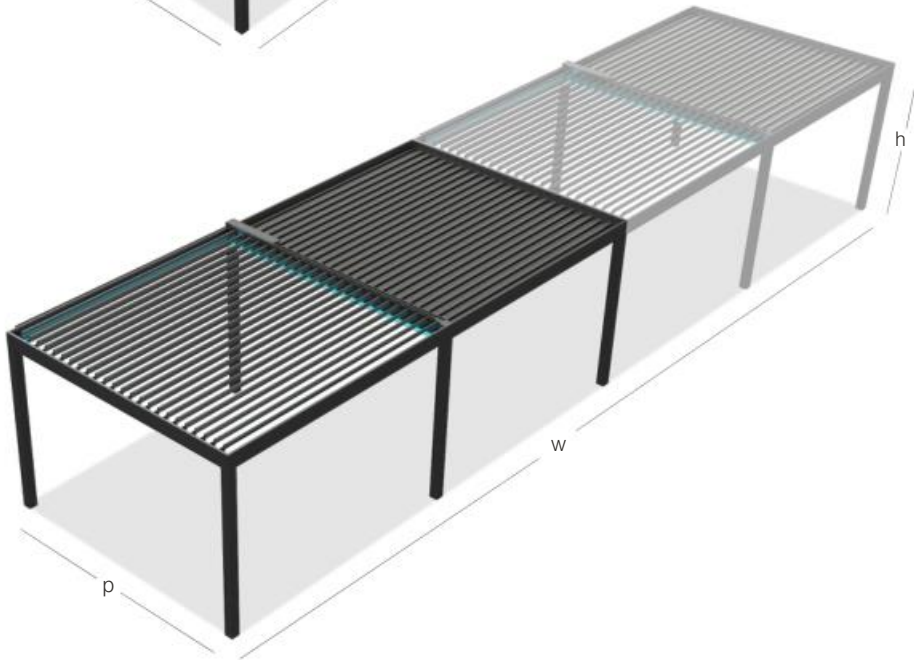
(w) Width
1000 mm < 4000 mm
(p) Projection
1134 mm < 6032 mm
(h) Height
3000 mm



(w) Width
2000 mm < 8000 mm
(p) Projection
2268 mm < 12064 mm
(h) Height
3000 mm



(w) Width
4000 mm < 16000 mm
(p) Projection
1134 mm < 6032 mm
(h) Height
3000 mm

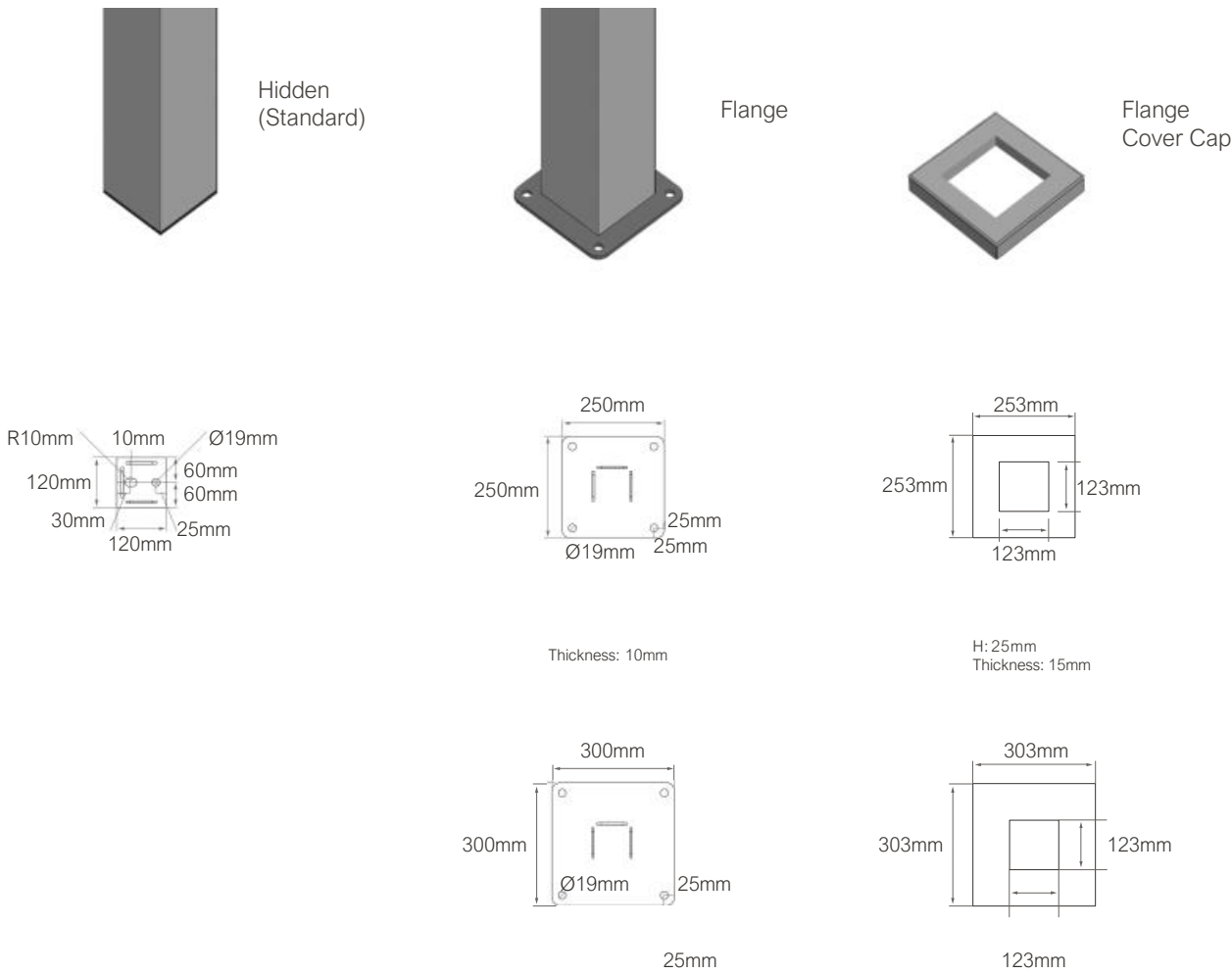


Intra-Column Drainage Pipe

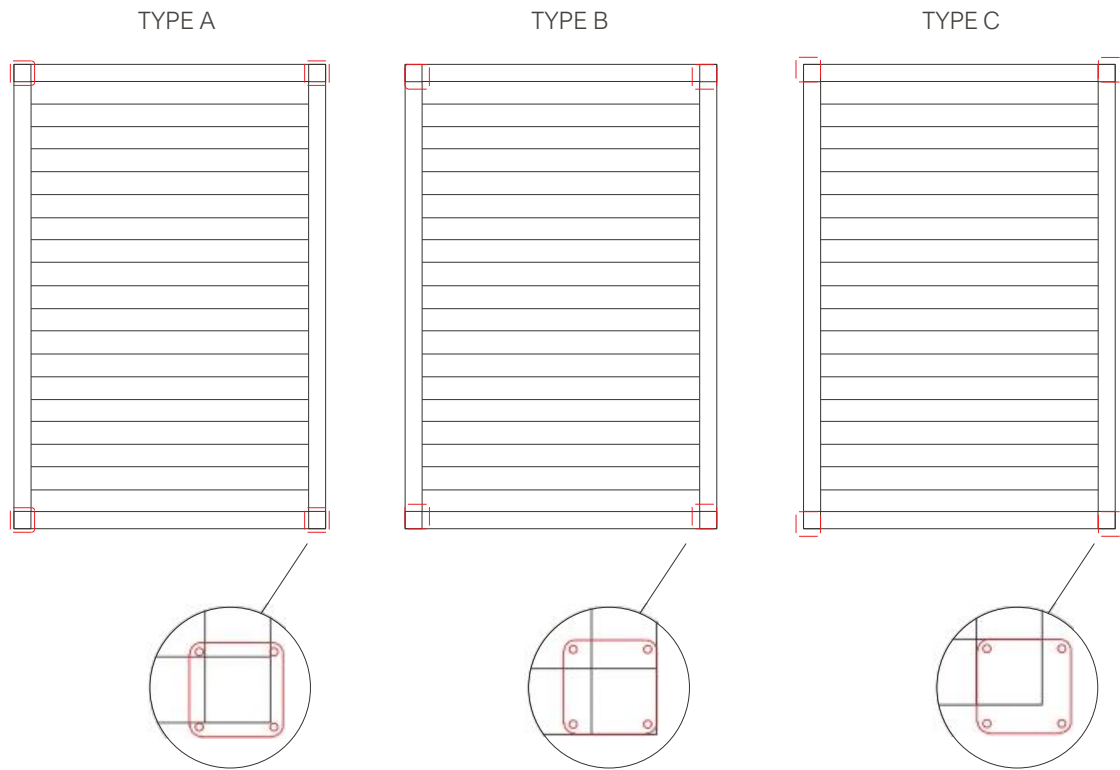
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



Column Base Options

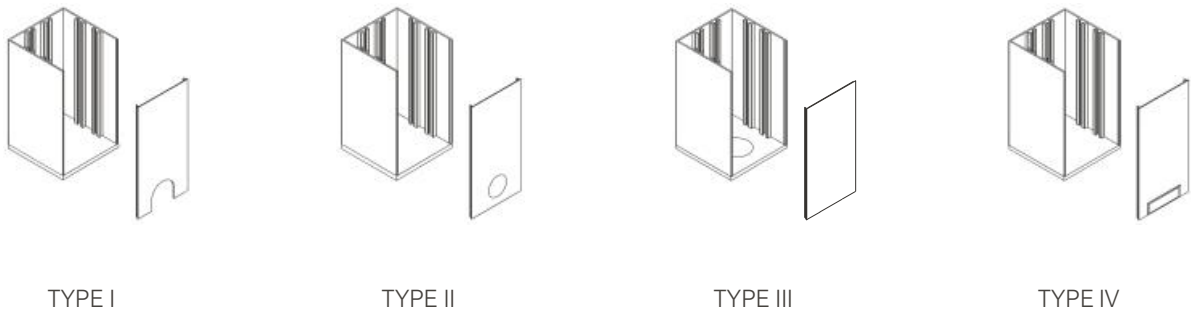


Flange Positions



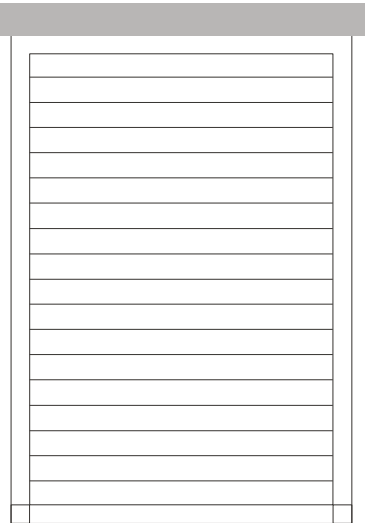
To be chosen only with flange option.

Drainage Types

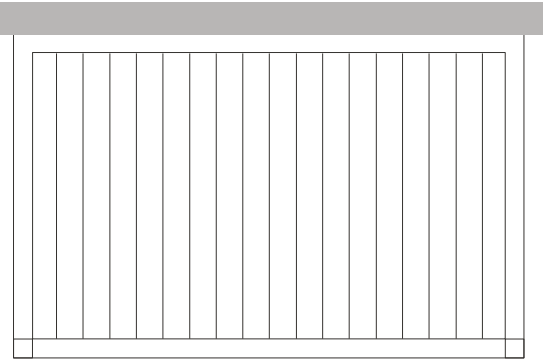


Wall Installation Louvre Positions

Parallel To Wall

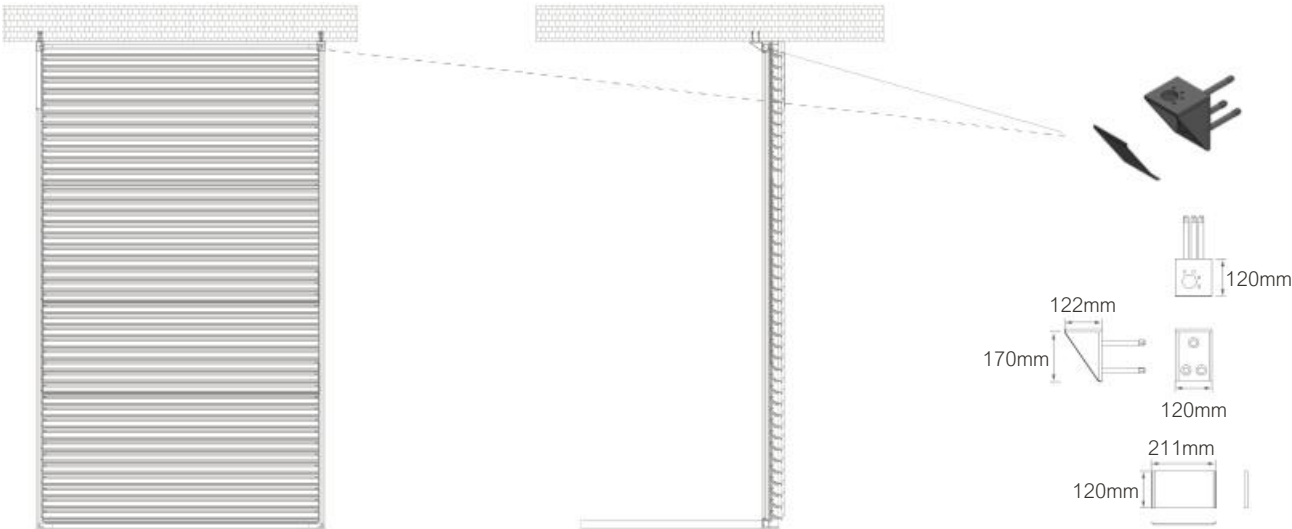


Vertical To Wall

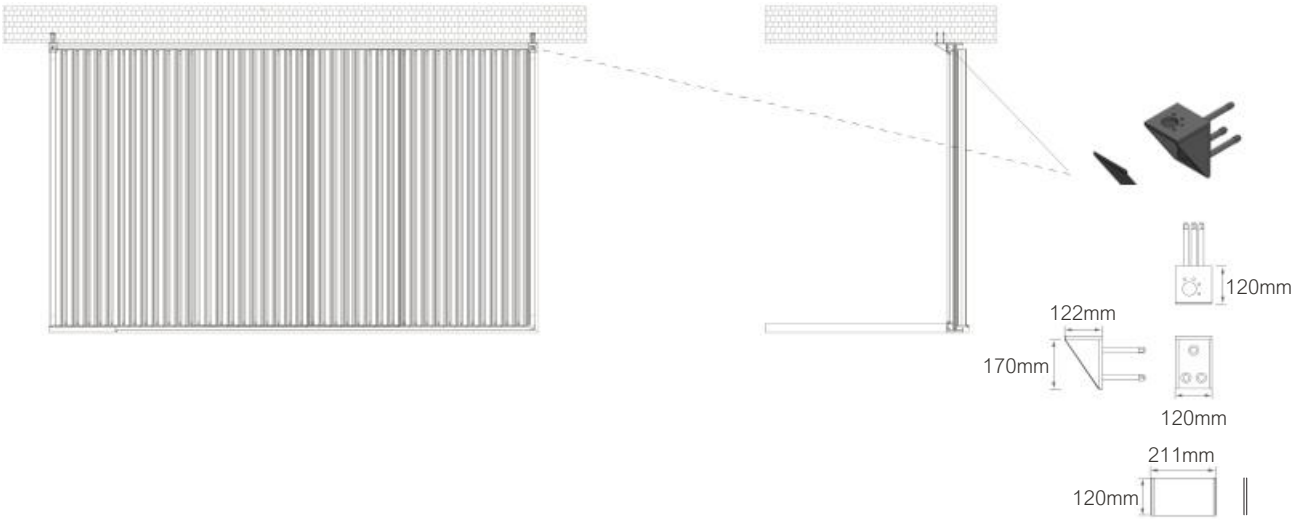


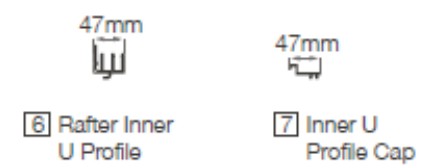
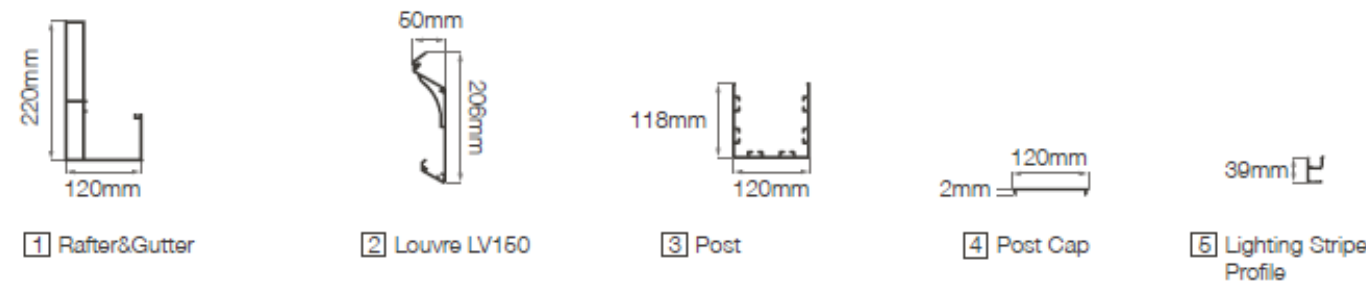
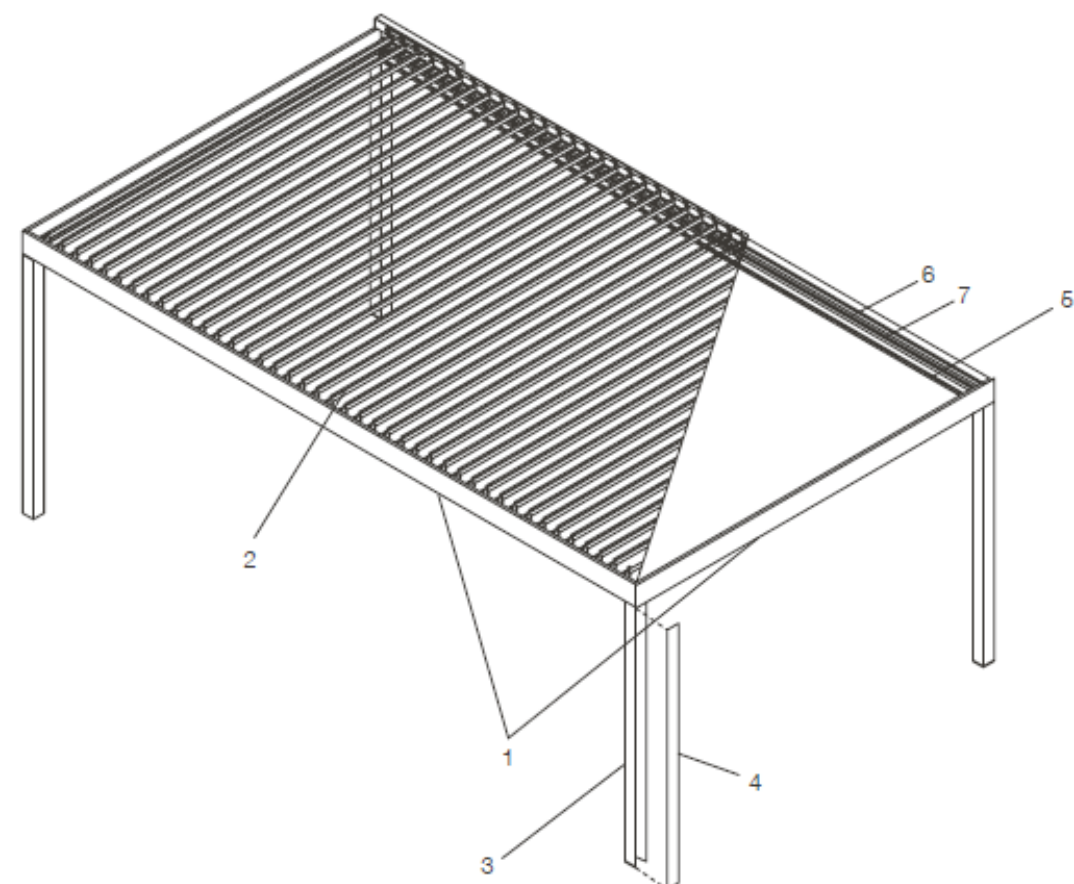
Hang Bracket Types

Paralel Mounting Outer Wall Bracket (Inox) With Optional Cap

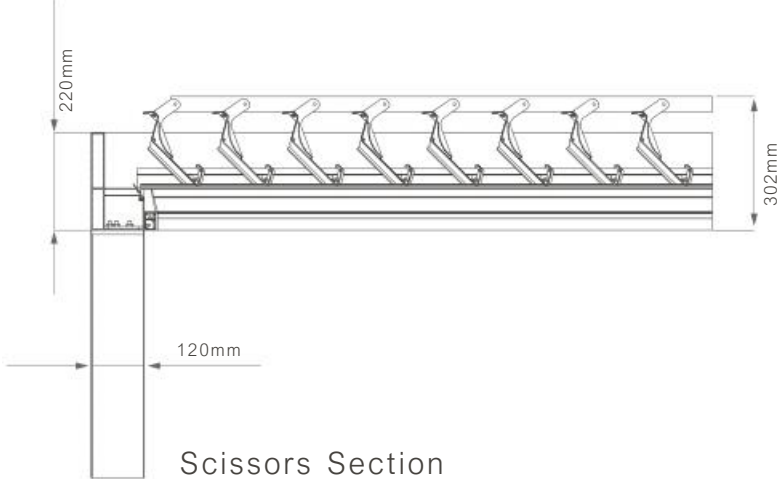


Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap

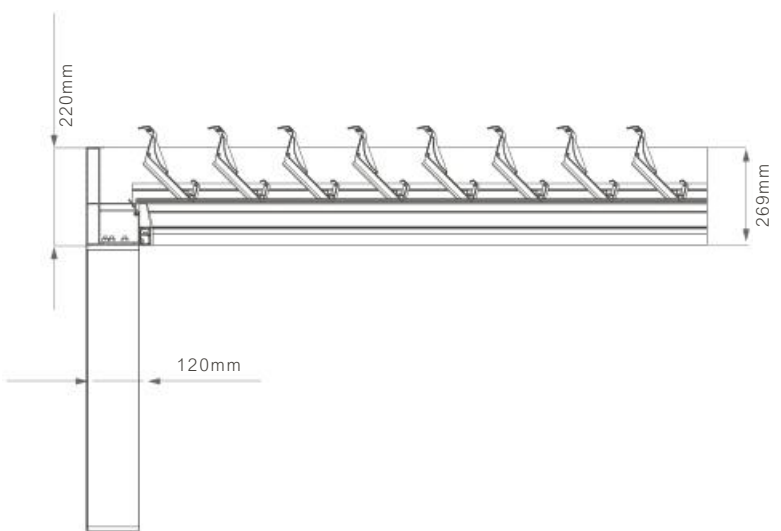




Side Elevation



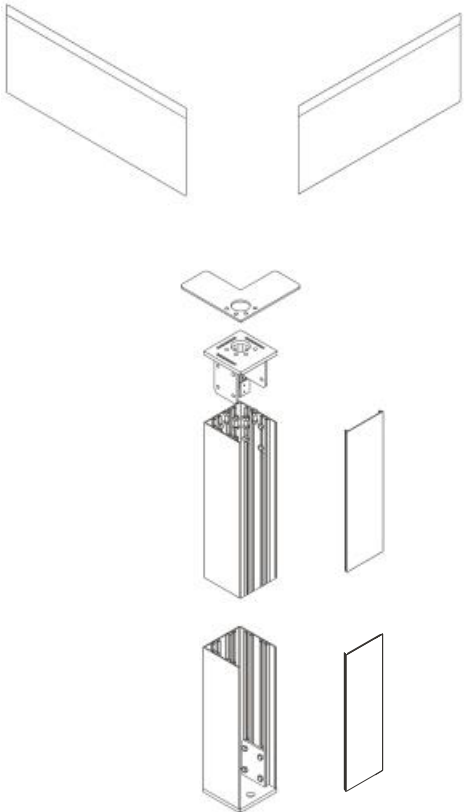
Scissors Section



Column Connection

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

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



Louvre Stormguard Seal

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

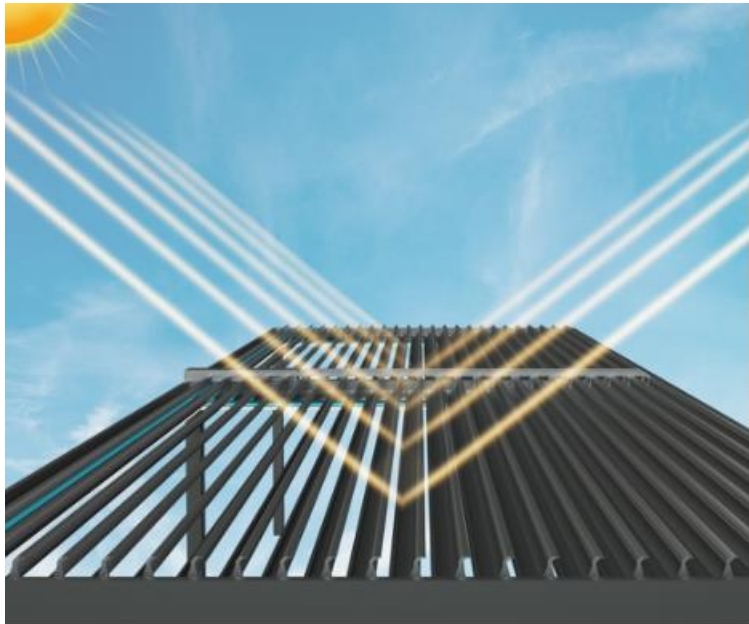




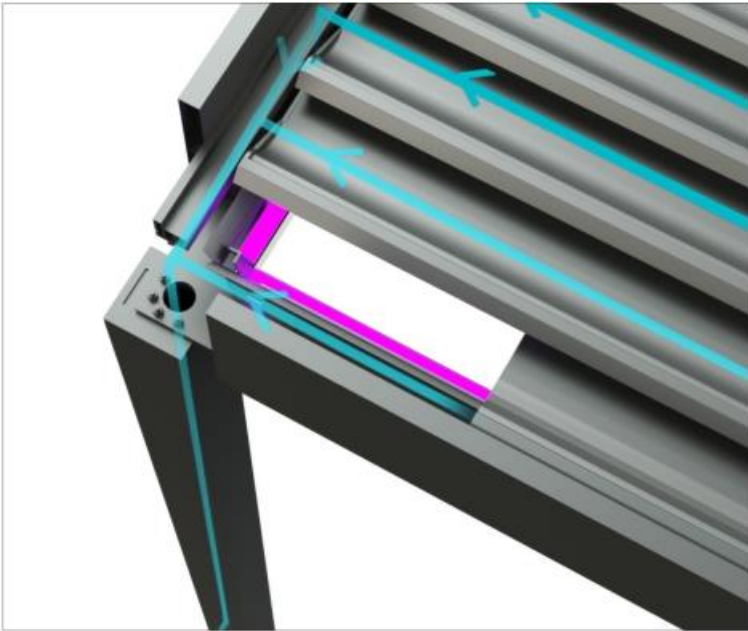
Slightly opening of louvres creates natural air flow for application areas.



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



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



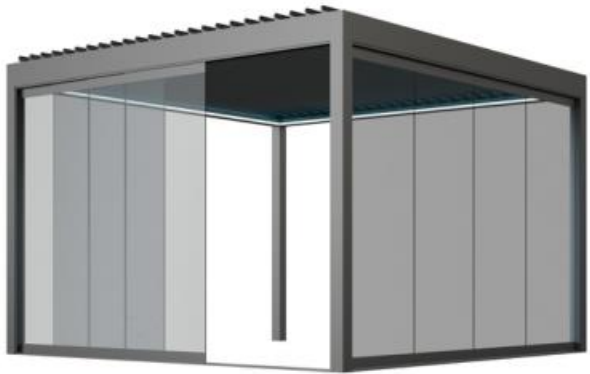
Motorised Windbreaker System
Windbreaker can be combined with also Elegance system and offers adequate wind breaking with the option of total transparency by incorporating the function of balustrade. Thanks to led stripe dimmer lighting integrated side frame the fixed panel assigns distinctive appeal. 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.



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



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



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



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



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

Led Stripe
Dimmer Lighting



Cool White



Day Light

RGB Led-Hidden
Stripe Lighting

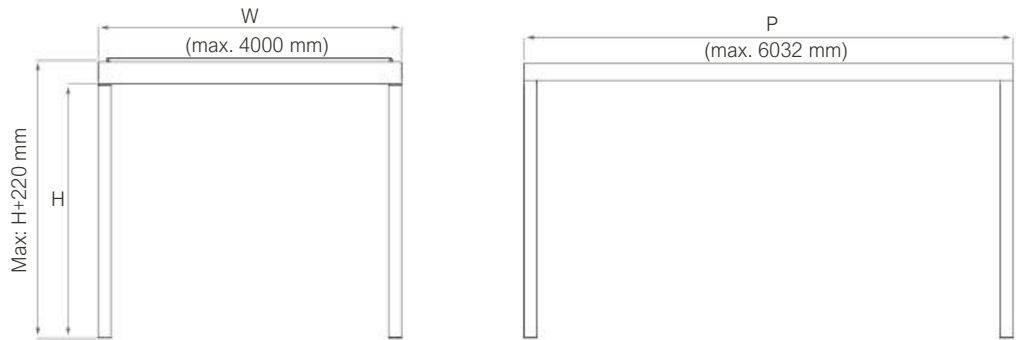


Dimension Ranges

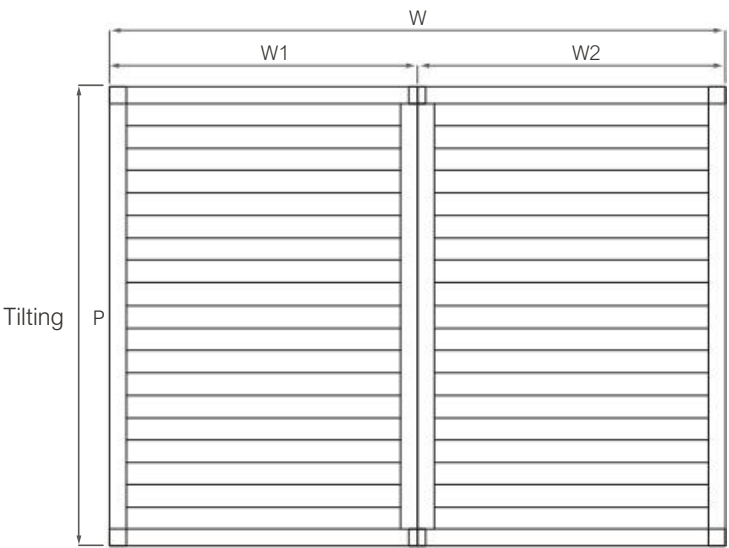
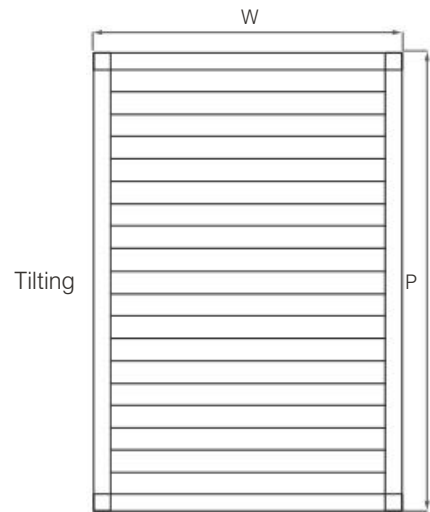
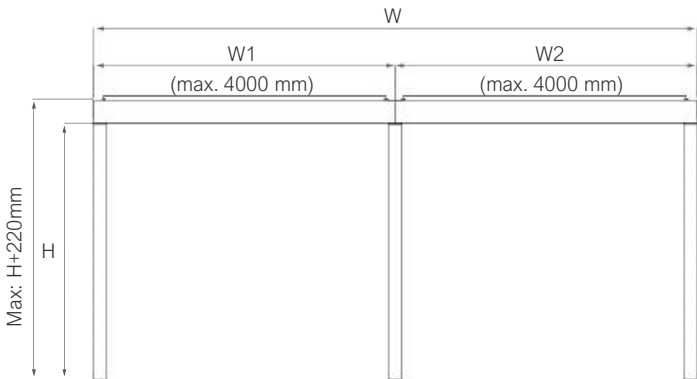
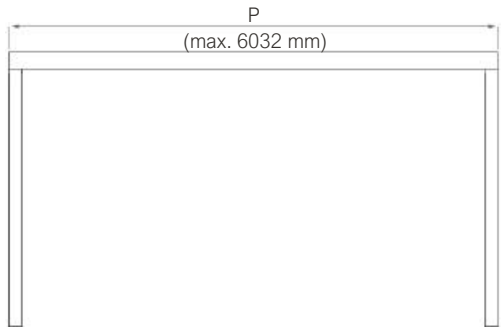
Width dimension: Any customised values between 1800mm and 4000mm
Projection dimension: Adjustable according to louver quantity

		WIDTH									
		1800									4000
PROJECTION	6	1134									
	7	1292									
	8	1450									
	9	1608									
	10	1766									
	11	1924									
	12	2082									
	13	2240									
	14	2398									
	15	2556									
	16	2714									
	17	2872									
	18	3030									
	19	3188									
	20	3346									
	21	3504									
	22	3662									
	23	3820									
	24	3978									
	25	4136									
	26	4294									
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	37	6032									

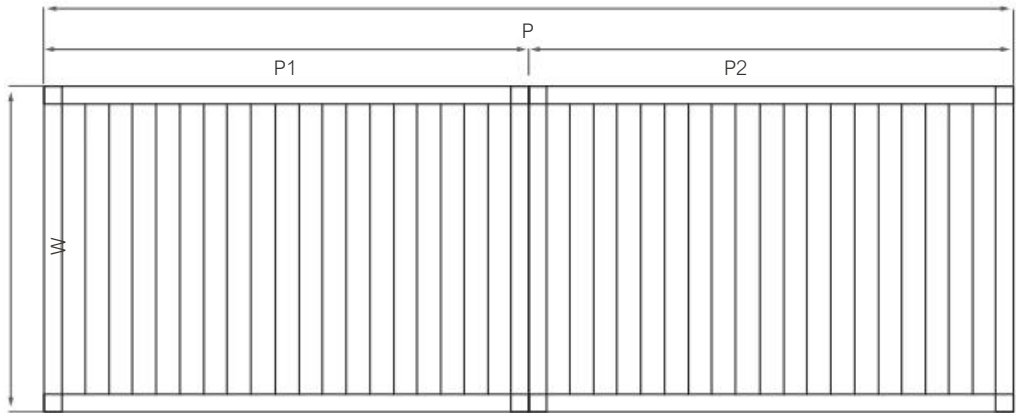
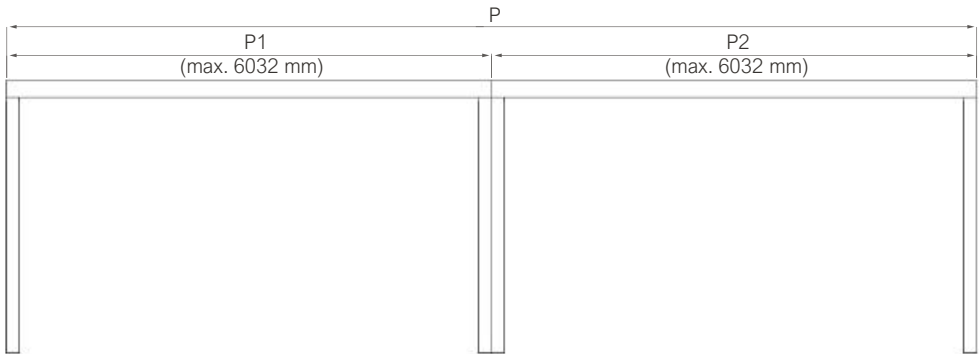
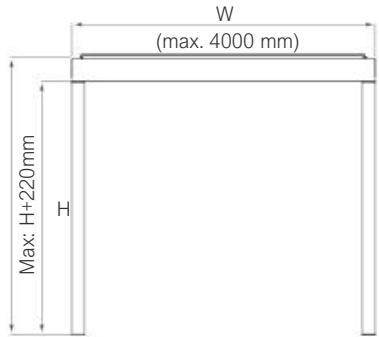
Single Module
W: 1000 mm < 4000 mm
P: 1134 mm < 6032 mm



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



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



Tilting

Company Name:
Order Reference:

Order Date:

INSTALLATION TYPES

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

QUANTITY: pc

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

DIMENSIONS

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

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

POWDER-COAT COLORS

Structure

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

Louvres

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

LED LIGHTS

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

SENSORS

- ☐ Rain Sensor
☐ Wind Sensor

OPTIONALS

- ☐ Additional Post

COLUMN BASE OPTIONS

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

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

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

PACKAGING

- ☐ Standard
☐ Wooden Crate
Extra cost

☐

Technical Details



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

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

Technical Specifications
Elegance

Technological Outdoor Covering System
With Eleganceting Louvres.

Description

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

Dimensions

One module

Width 1000 mm < 4000 mm

Projection 1134 mm < 6032 mm

Column Height 3000 mm

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

Technical Characteristics

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

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

II | Profile Section Dimensions

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

III | Installation Methods

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

IV | Columns

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

V | Weather Resistance

- Wind Resistance
 - Wind rating up to Beaufort number 10 (up to 102km/h).
- Water Drainage
 - The four sided gutter for completely ensured waterproofness.
 - Optional PVC pipe (Ø45) integration inside columns.
 - Customised drain points flexibility.

VI | Additional Equipments

- Heater, speaker or other automations can be integrated into the system.
- Rain and wind sensor can be adapted.
 - Rain sensor closes the blades automatically when it rains.
 - The blades should be closed when wind speed reaches to 102 km/hour to save under warranty terms.

VII | LED Lighting

- Integrated RGB-Led Hidden Stripe and Led Stripe Dimmer Lighting on sides within the structure.
 - Led Stripe Dimmer Lighting
 - Cool White, 60 LEDs/m I +5100-6500K I 1130 lumens/m
 - Day Light, 120 LEDs/m I +2800-3500K I 1094 lumens/m
 - RGB Led-Hidden Stripe Lighting
 - 96 LEDs/m

VIII | Sensors

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

Wind sensor

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

Rain sensor

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

IX | Closures

Systems can be completely enclosed with Saphir automatic vertical glass system, windbreaker system, Glassfix, Frame, Slide or motorised Vertiflex zip for further protection from the elements.

Saphir

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

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

Cycle

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

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

Windbreaker

Windbreaker is an automatic vertical up-down glass panel.

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

Glassfix

Glassfix glass balustrade system.

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

Frame

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

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

measures.

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

Slide

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

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

Vertiflex Zip System

Vertiflex is a motorised external blind system.

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

Alufix

Alufix is an aluminum louvered fixed wall system.

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

Doors

Glass door

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

Framed glass door

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

Photocell Door

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

X | Structure Color Options / Finishes

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

XI | Warranty

	Elegance	Saphir	Cycle.	Windbreaker	Glassfix	Frame	Slide	Vertiflex	Alufix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A

*End user and installation defects are not covered.

Overview

Operations

Tilting



Lighting Options

Led Stripe Dimmer Lighting

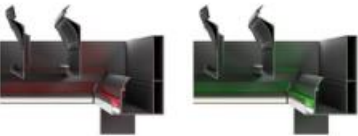
Cool White



Day Light



RGB Led-Hidden Stripe Lighting



Installation Types

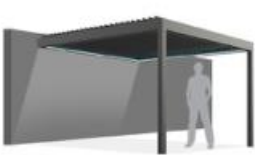
Self Standing Single Module



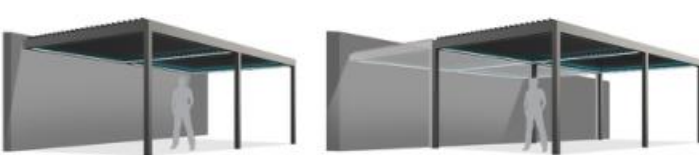
Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Sensors

Rain Sensor



Wind Sensor



Closures

Saphir& Cycle



Windbreaker



Glassfix



Frame



Slide



Vertiflex



Alufix



PERGOLUX

Distinctive aesthetic style with intelligent lighting control...

Pergolux 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. Pergolux is characterized by an advanced technology and exalting the product aesthetics.

Pergolux has clean modern lines with a minimalist geometric appearance and it is the latest in Drelux'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.





RGB Led-Hidden Stripe Lighting

Led Stripe Dimmer Lighting

Linear Fabric Dimmer Led

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

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

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

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

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



Self Standing
Single Module



Wall Mounting
Single Module



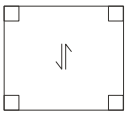
Self Standing
Multiple Modules



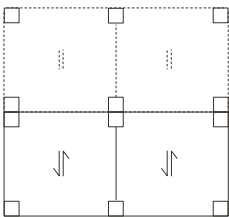
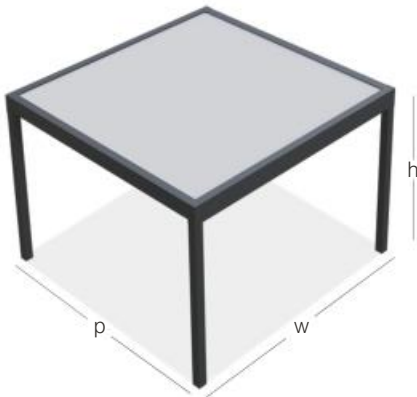
Wall Mounting
Multiple Modules



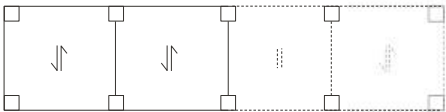
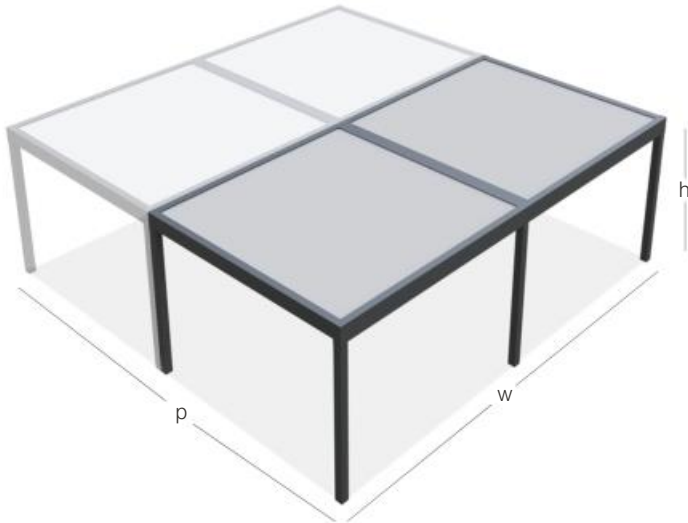
Blocked assembly for customized modules with a wide range of flexible combinations.



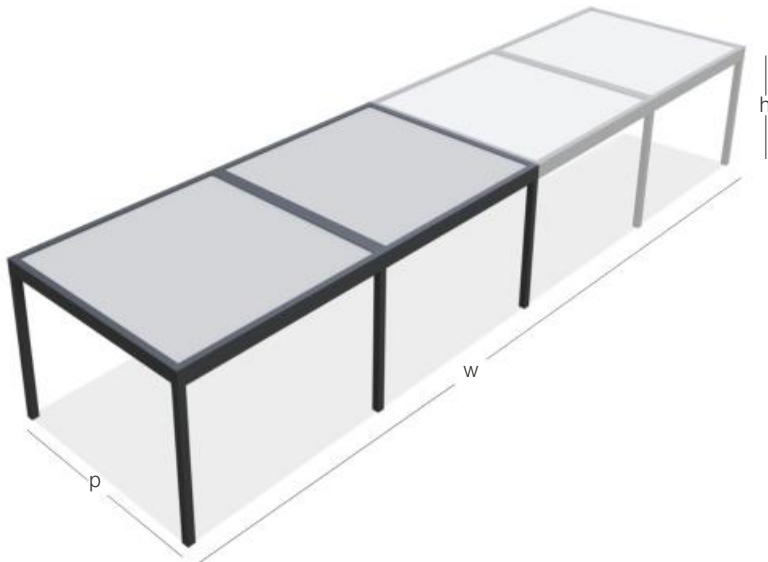
(w) Width
1500 mm < 5500 mm
(p) Projection
1500 mm < 8000 mm
(h) Height
3000 mm



(w) Width
3000 mm < 11000 mm
(p) Projection
3000 mm < 16000 mm
(h) Height
3000 mm

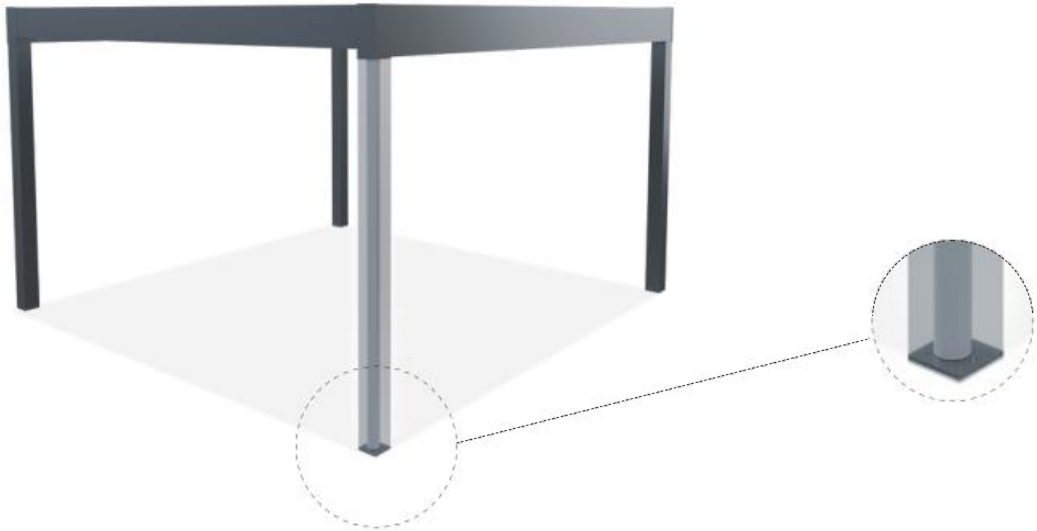


(w) Width
6000 mm < 22000 mm
(p) Projection
1500 mm < 8000 mm
(h) Height
3000 mm

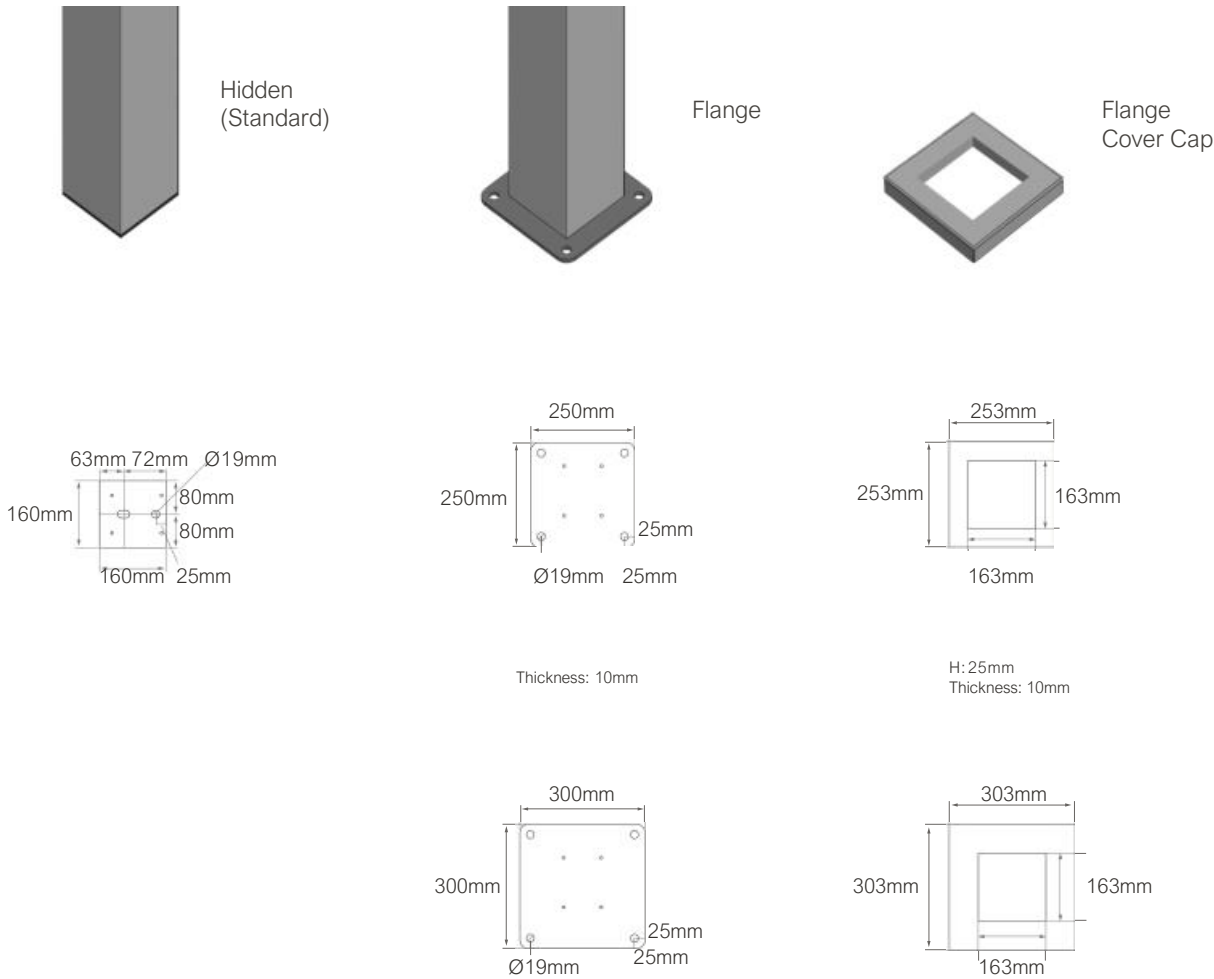


Intra-Column Drainage Pipe

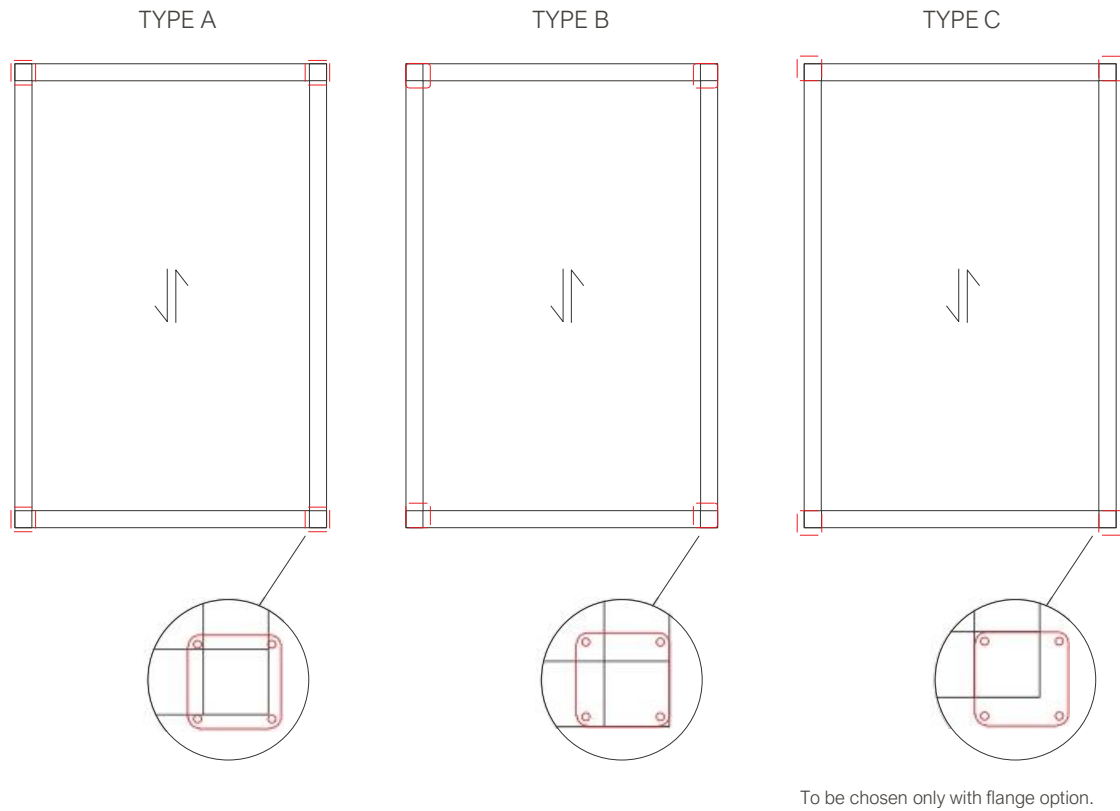
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



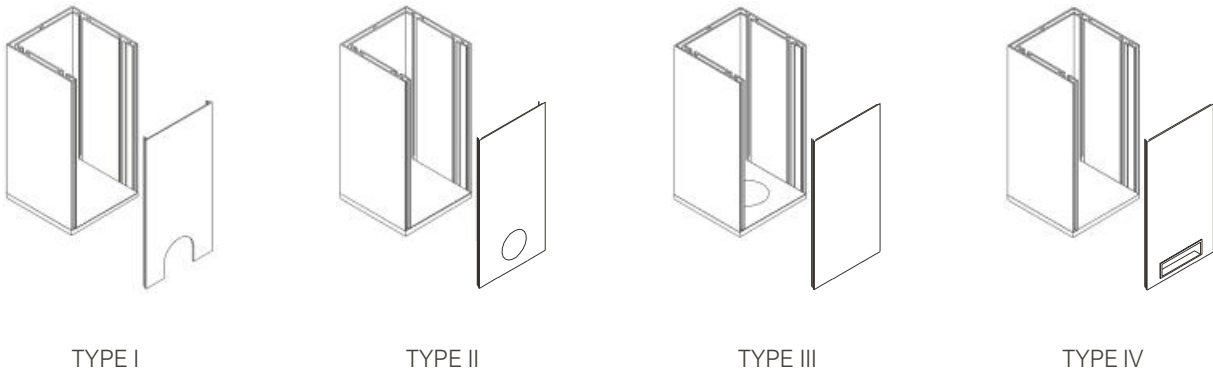
Column Base Options



Flange Positions

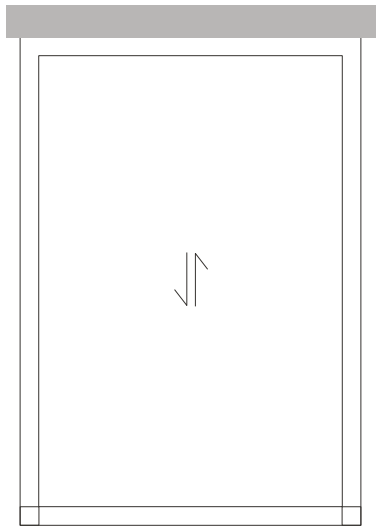


Drainage Types

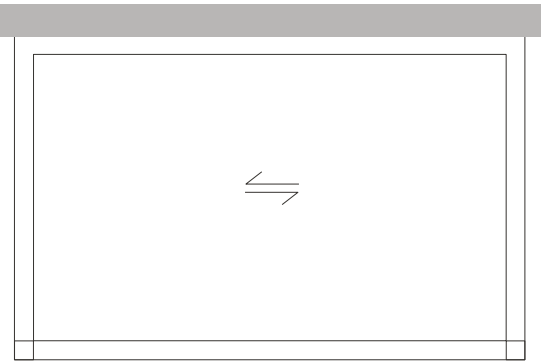


Wall Installation

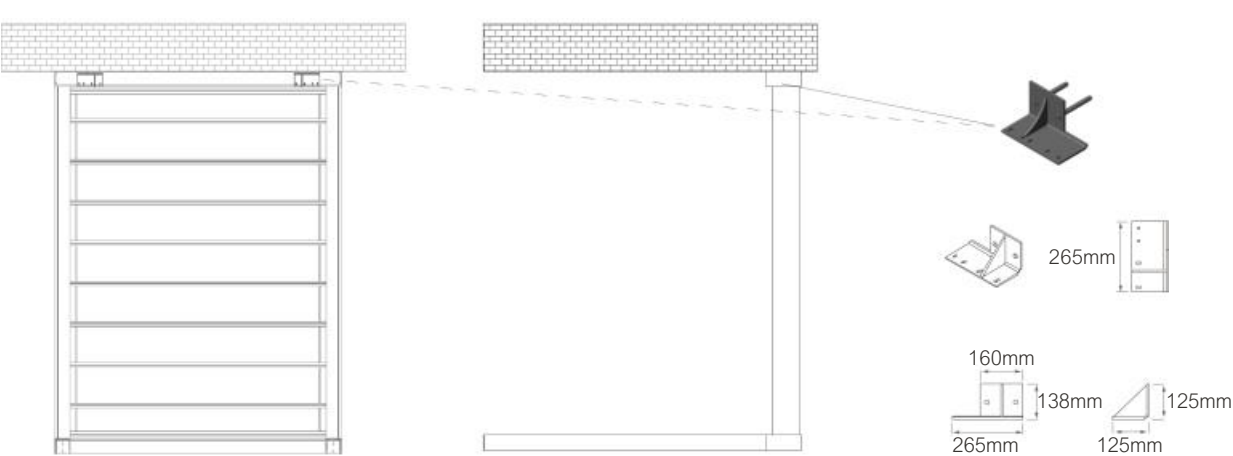
Parallel To Wall



Vertical To Wall

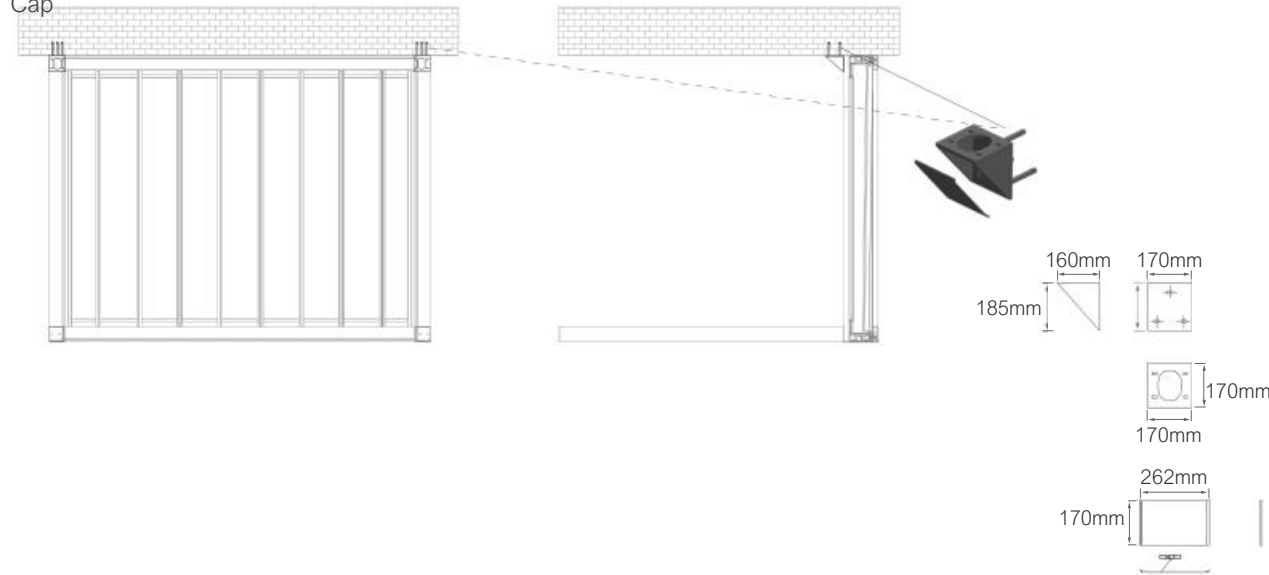


Inner (Hidden) Wall Bracket (Inox)

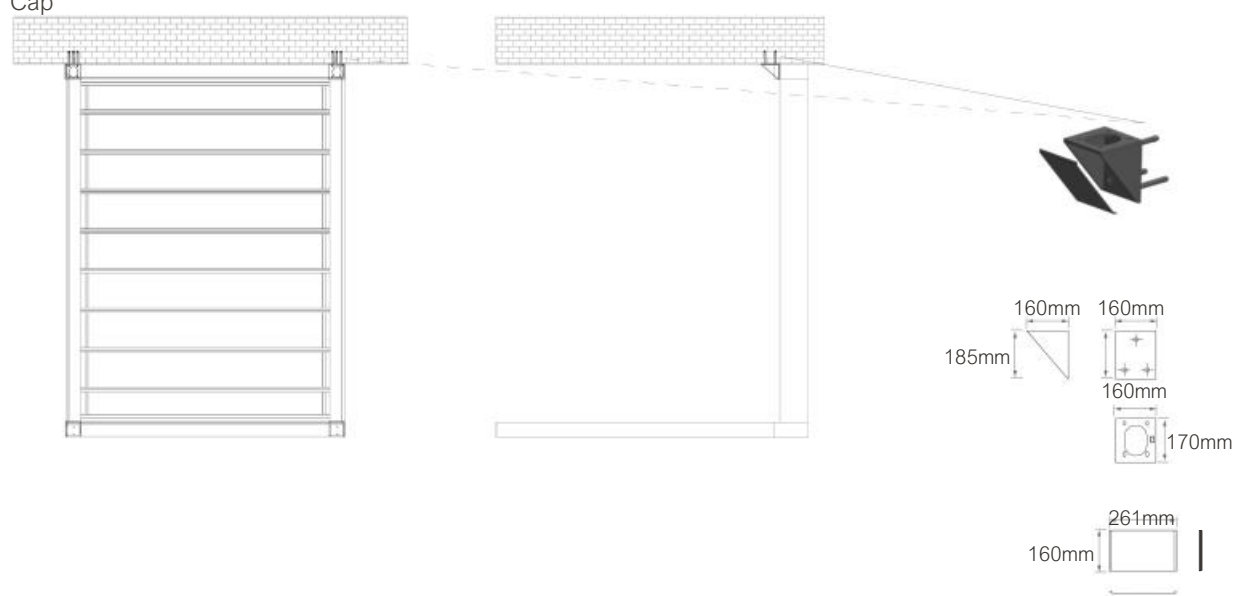


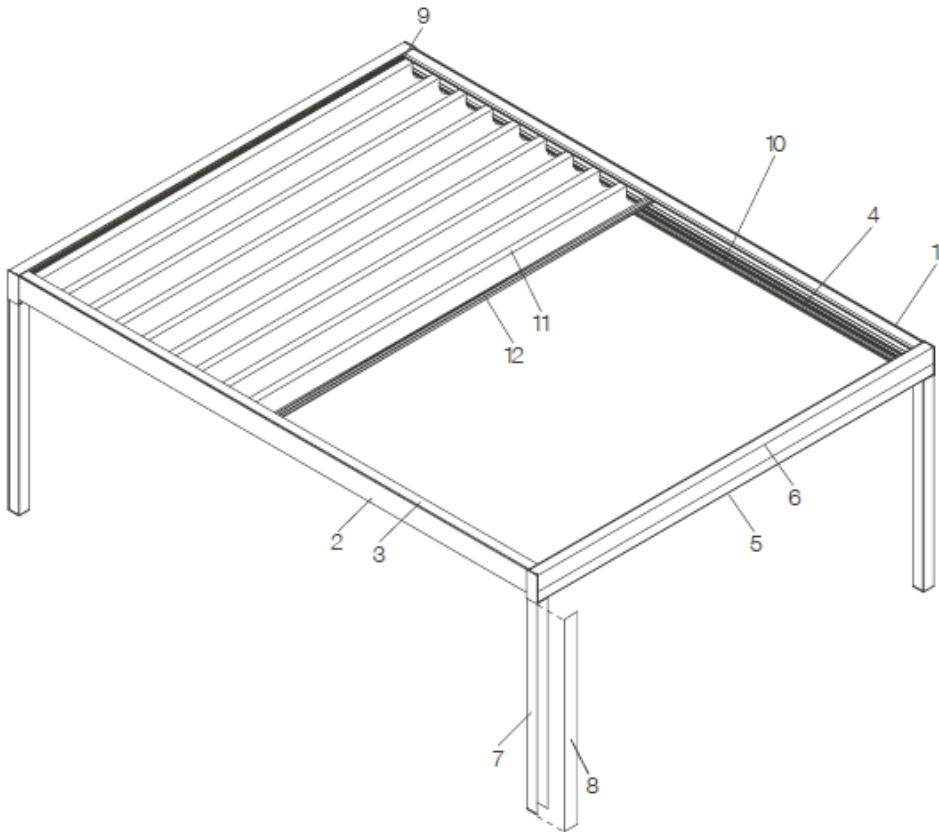
Hang Bracket Types

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

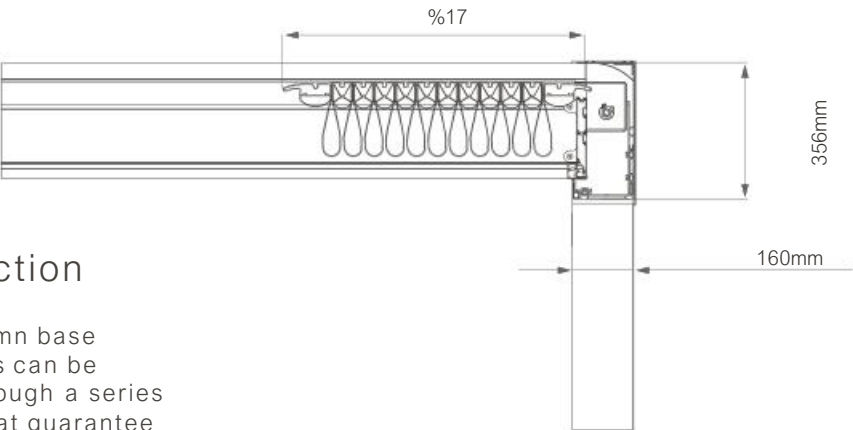


Parallel Mounting Outer Wall Bracket (Inox) With Optional Cover Cap





Side Elevation



Column Connection

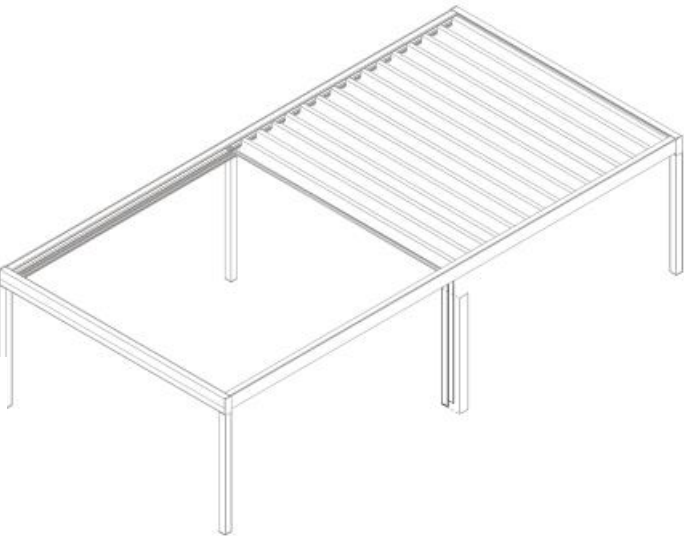
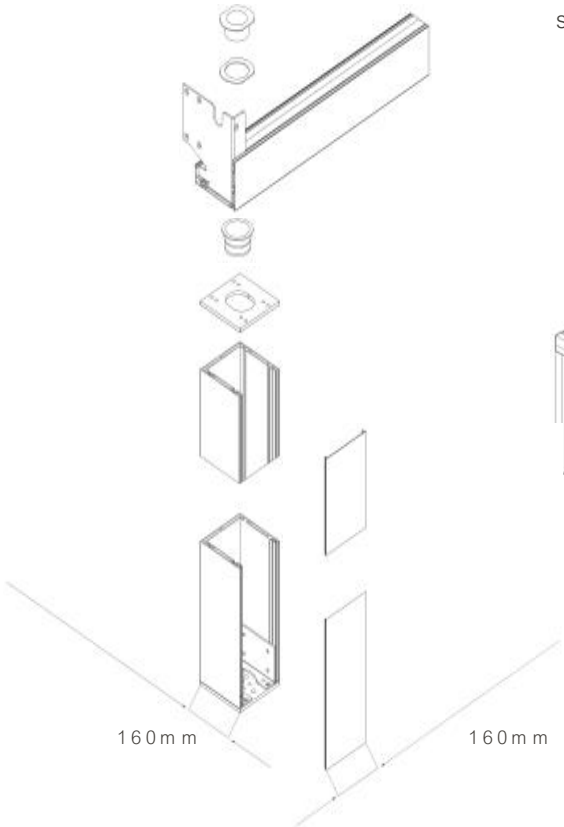
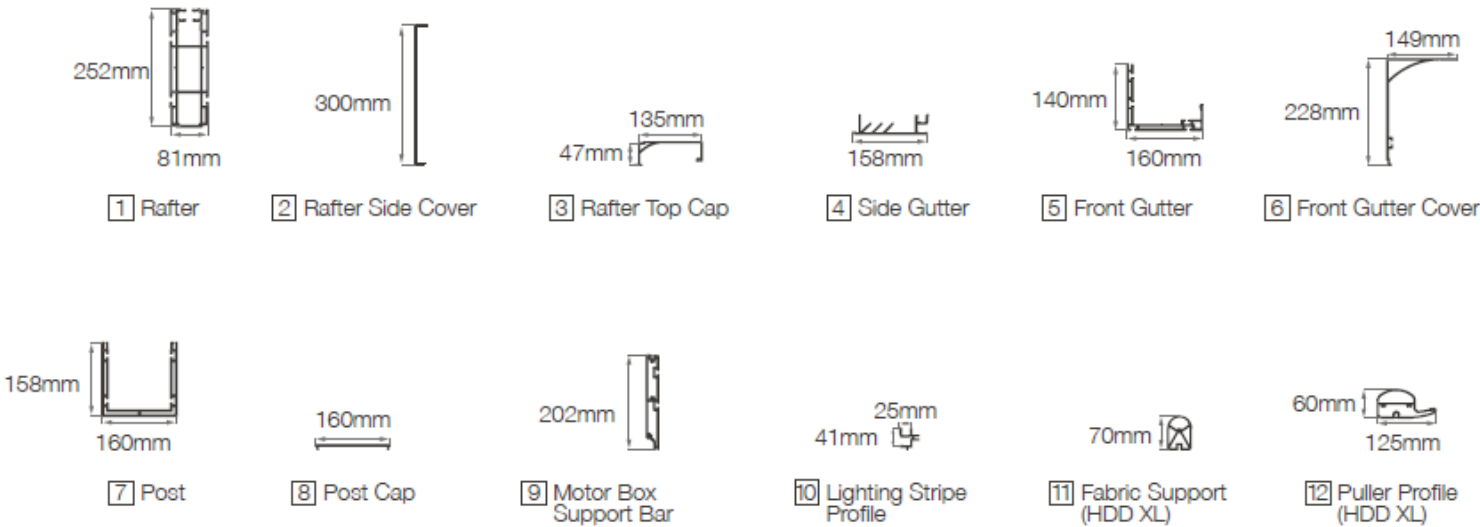
Thanks to ease of column base assembly each columns can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

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.

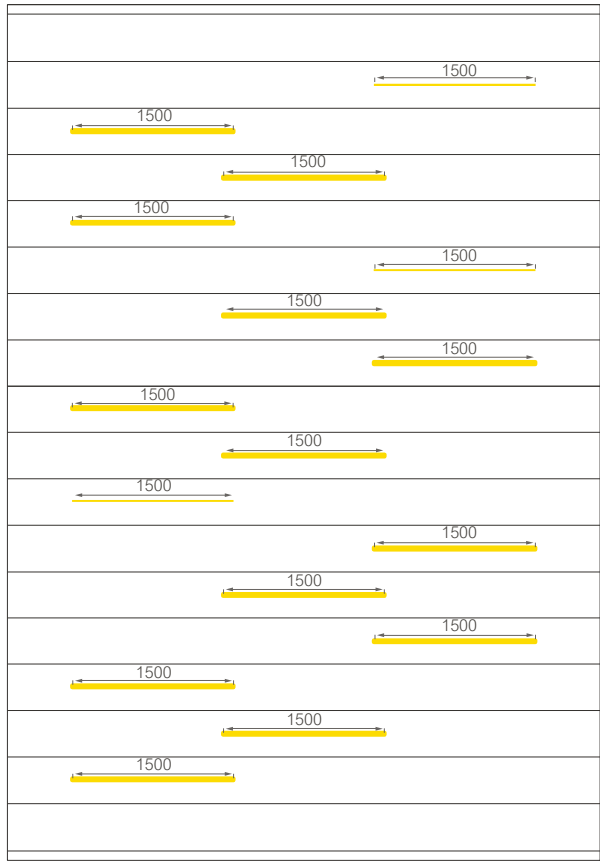
Support Column

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

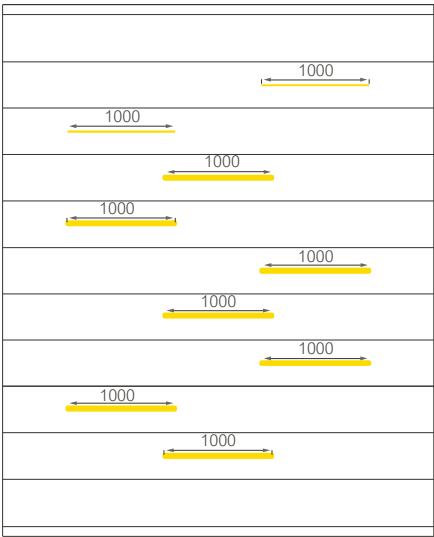


Linear Fabric Dimmer Led Configuration

Symmetrical

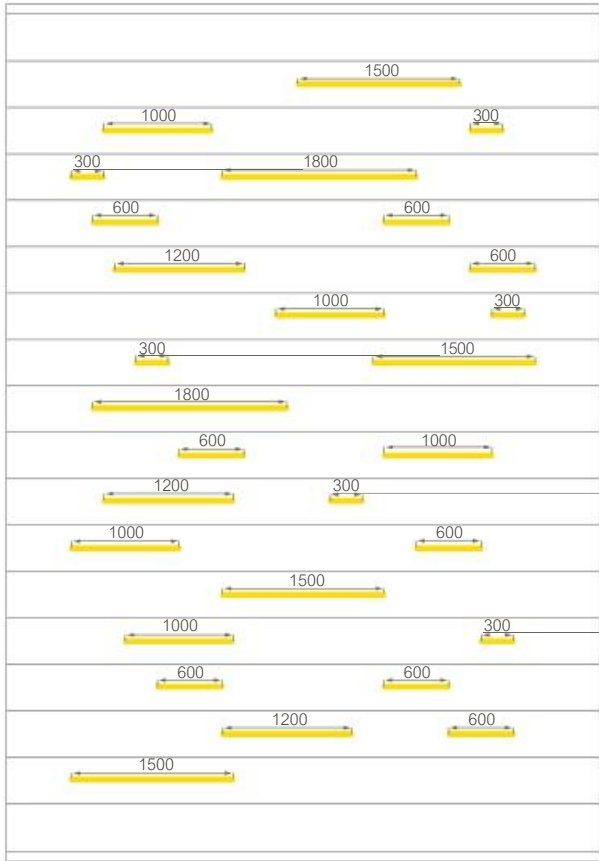


(w) Width
4000 mm > 5500 mm
(p) Projection
5000 mm > 8000 mm

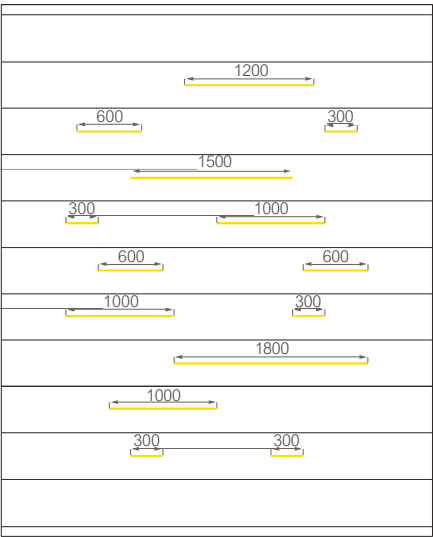


(w) Width
1500 mm > 4000 mm
(p) Projection
1500 mm > 5000 mm

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

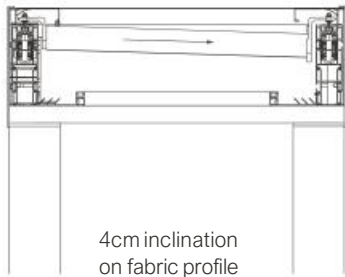
Water Flow

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

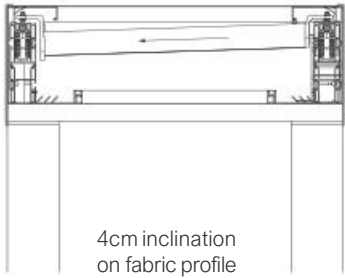
One Side Flow



Right Side Flow



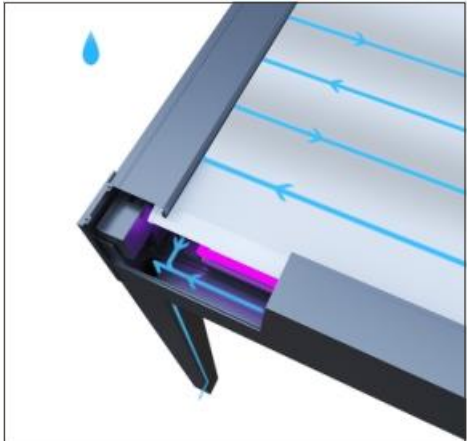
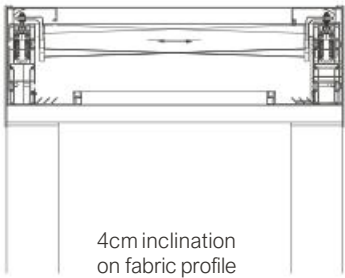
Left Side Flow



Alternating Flow



Double Sided Flow



Closures



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



Motorised Windbreaker System
Windbreaker can be combined with also Pergolux 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.



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



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



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



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



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

Led Stripe
Dimmer Lighting

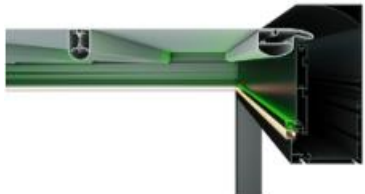
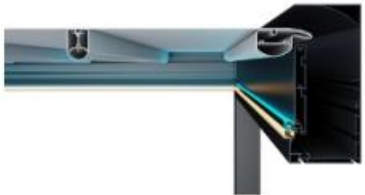


Cool White



Day Light

RGB Led-Hidden
Stripe Lighting



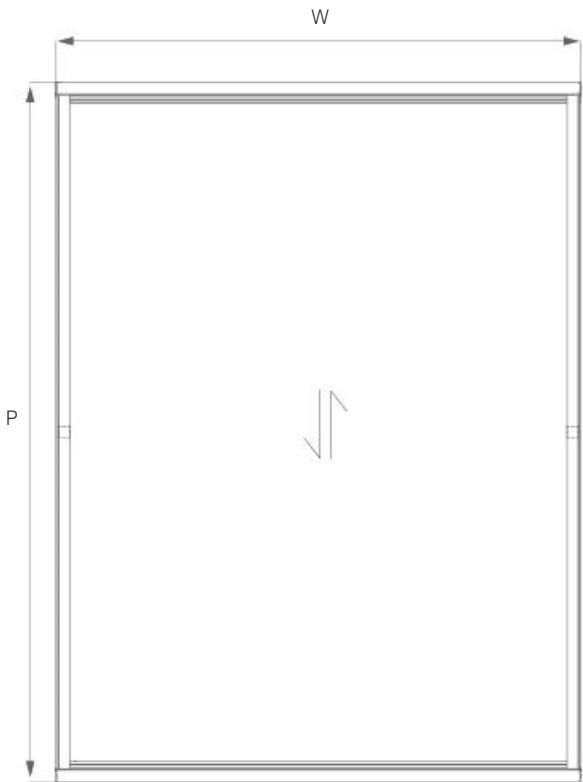
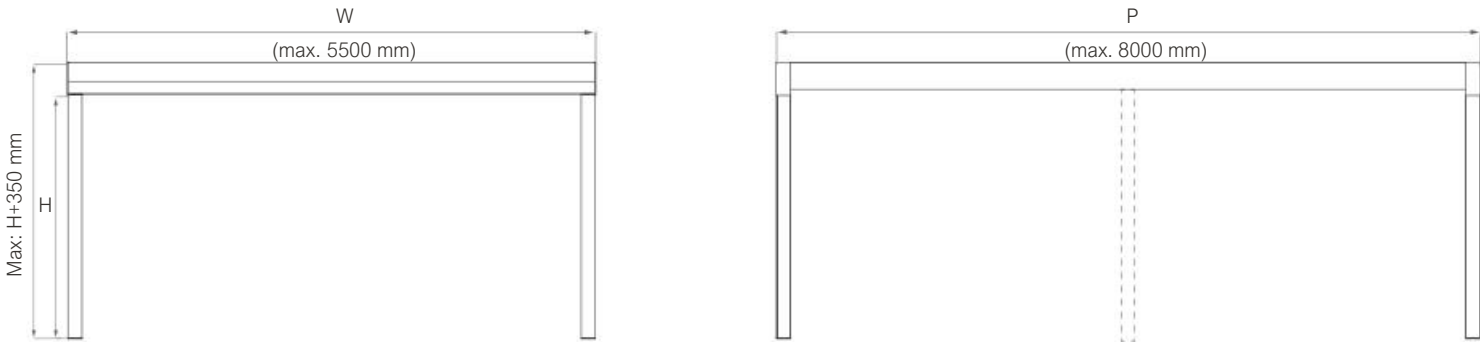
HDD Lux High Power
Led Lighting



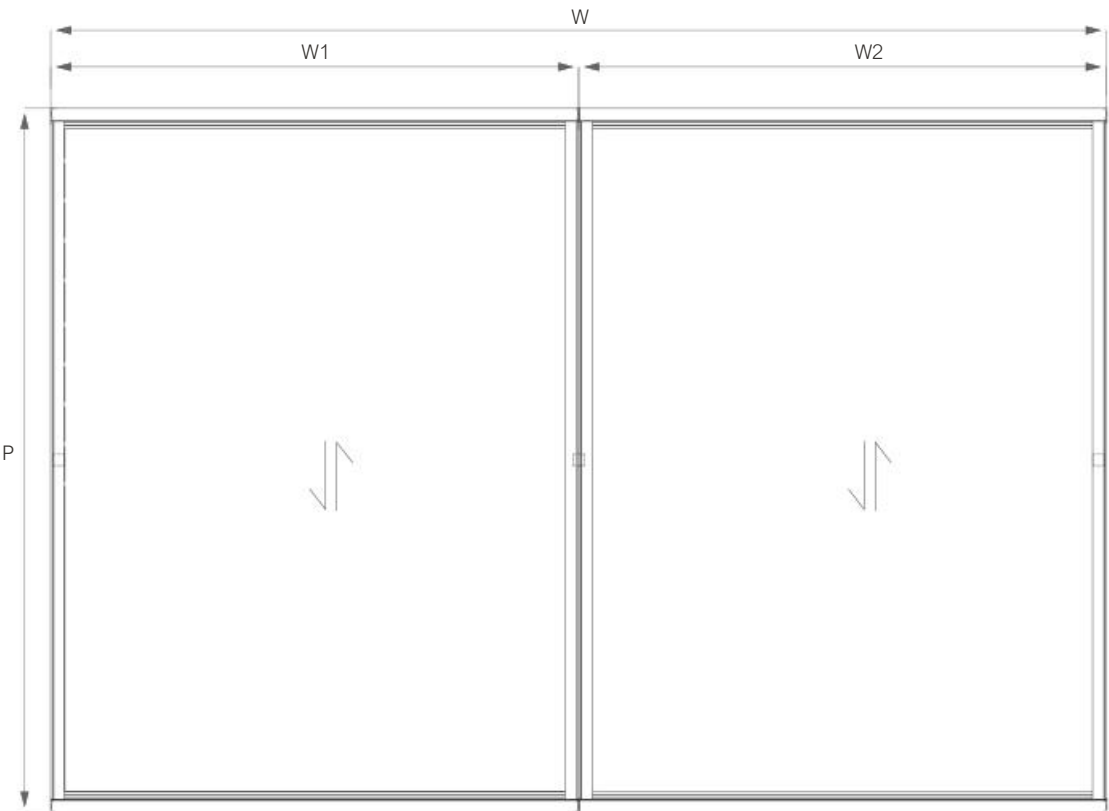
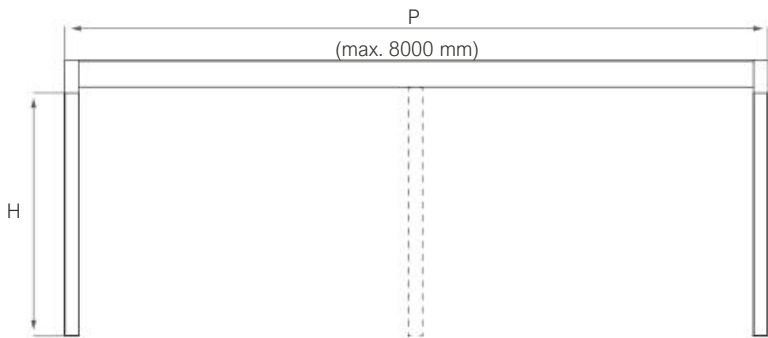
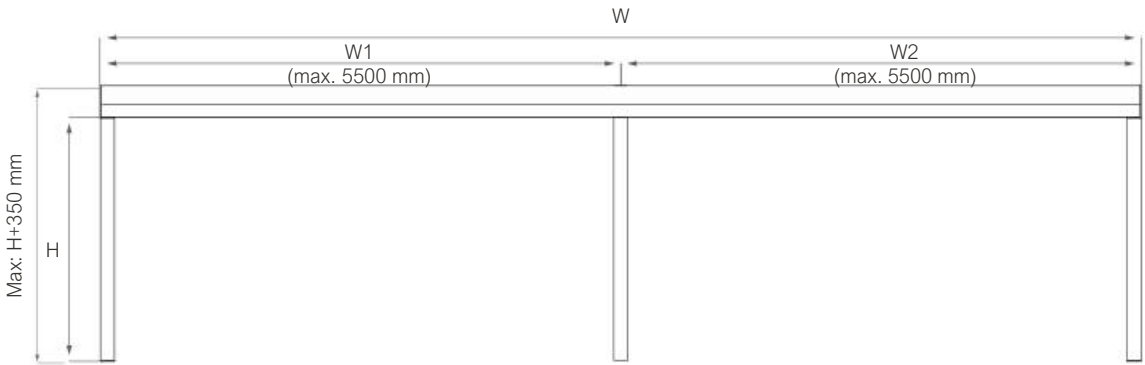
Linear Fabric Dimmer
Led Lighting



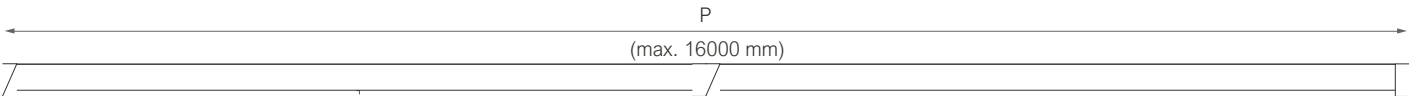
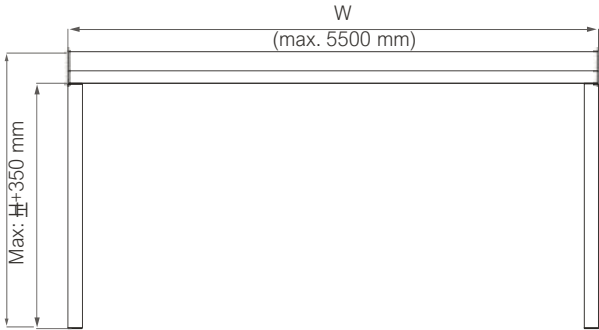
Single Module
W: 1500 mm < 5500 mm
P: 1500 mm < 8000 mm



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

PERGOLUX

Company Name:
Order Reference:

Order Date:

WATER FLOW

- ☐ One Side
☐ Left
☐ Right
- ☐ Alternating

INSTALLATION TYPES

- ☐ Self Standing
☐ Wall Mounting

QUANTITY: pc

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

DIMENSIONS

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

☐ Type 1

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

☐ Type 2

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

POWDER-COAT COLORS

Structure

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

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"/> CR295 / Cream | <input type="checkbox"/> LW22 / White | |
| Xclusive | <input type="checkbox"/> LCR33 / Cream | |
| <input type="checkbox"/> WTEX / White | <input type="checkbox"/> LC44 / Cappuccino | |
| <input type="checkbox"/> CRMX / Cream | <input type="checkbox"/> LG66 / Grey | |
| <input type="checkbox"/> GRYX / Grey | | |
| <input type="checkbox"/> BRDX / Bordeaux | | |

LED LIGHTS

- ☐ Led Stripe Dimmer Lighting
☐ Cool White
☐ Day Light
☐ RGB Led - Hidden Stripe Lighting
- ☐ Dimmer Kit
- *N/A with alternating flow

OPTIONALS

- ☐ Additional Post
☐ Drainage Pipe

H Led

D
D
Lu
x
Hi
gh
Pe

- ☐ 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

COLUMN BASE OPTIONS

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

FLANGE POSITIONS

- ☐ Type A
☐ Type B
☐ Type C

DRAINAGE TYPES

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

PACKAGING

- ☐ Standard
☐ Wooden Crate

Extra cost

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
Pergolux

Distinctive Aesthetic Style With
Intelligent Lighting Control

Description

Pergolux 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 standarts.

II | Profile Section Dimensions

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

III | Installation Methods

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

IV | Columns

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

V | Weather Resistance

Wind Resistance

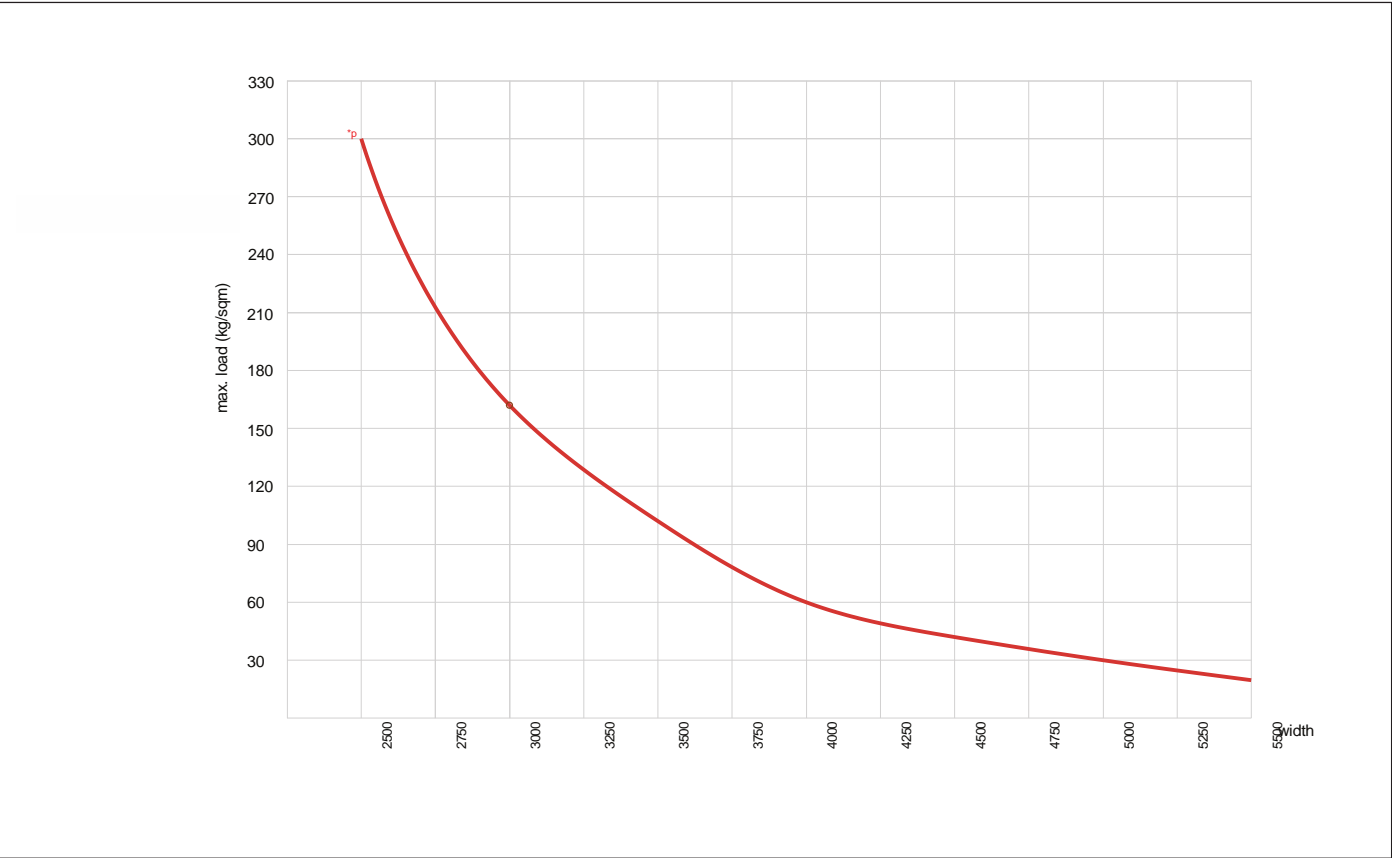
- Wind rating up to Beaufort number 10 (up to 102km/h).

Water Drainage

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

Snow load

See dimension based snow chart below;



VI | Tests

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

Wind
load

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

Snow
load

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

Rain
load

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

VII | Additional Equipments

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

VIII | Lighting

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

- Led Stripe Dimmer Lighting

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

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

- RGB Led-Hidden Stripe Lighting

60 LEDs/m

- Linear Fabric Dimmer Led Lighting

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

*Values will be highly decreased by fabric colour.

- HDD Lux High Power Led Lighting

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

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

*Dimmer option is available.

IX | Sensors

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

Wind sensor

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

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

Sun sensor

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

sun by controlling your pergola system accordingly.

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

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

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

Rain sensor

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

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

Wind & Sun Sensor

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

X | Closures

Systems can be completely enclosed with Saphir automatic vertical glass system, windbreaker system, Glassfix, Frame, Slide or motorised Vertiflex zip for further protection from the elements.

Saphir

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

- Systems can incorporate framed tempered 8 mm and 10 mm single or 4mm+12mm+4mm / 5mm+10mm+5mm double insulated glazing.

- Optional 2 or 3 panels configurations are available up to 4 meters width and 3 meters height or 3 meters width and 3,5 meters height. - Electrostatic powder-coated frame.

- Operation is motorised.

- Upwards or downwards parking position options.

- Fixed panels can be used as balustrades.

- The position of movable panels can be adjusted according to desired height.

- Thanks to strengthened counterweight movement mechanism motor provides balanced&silent up/down operation.

- Fully hidden motor drive.

- Switch, remote or smart home control availability.

- Fine frames with thermal and sound insulated rubber seals.

- Wide open view with up to 4 meters width vertical glass panels.

Cycle

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

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

Windbreaker

Windbreaker is an automatic vertical up-down glass panel.

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

Glassfix

Glassfix glass balustrade system.

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

Frame

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

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

Slide

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

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

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

Vertiflex Zip System

Vertiflex is a motorised external blind system.

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

Alufix

Alufix is an aluminum louvered fixed wall system.

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

Doors

Glass door

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

Framed glass door

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

Photocell Door

- Aluminum framed automatic glass door.
- Electronic lock.
- Possibility of 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.

XI | Structure Color Options / Finishes

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

XII | Warranty

	Pergolux	Saphir	Cycle	Windbreaker	Glassfix	Frame	Slide	Vertiflex	Alufix
Structure& Coating	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Mechanics	2 years	2 years	2 years	2 years	N/A	2 years	2 years	2 years	N/A
Motor&Control Units	2 years	2 years	2 years	2 years	2 years	N/A	N/A	2 years	N/A
Lighting& Control Units	2 years	N/A	N/A	2 years	2 years	N/A	N/A	N/A	N/A
Fabrics	5 years	N/A	N/A	N/A	N/A	N/A	N/A	5 years	N/A

* Warranty of Semi-Transparent fabric is 2 years.

* End user and installation defects are not covered.

Operations

One Side



Alternating



Lighting Options

Led Stripe Dimmer Lighting

Cool White



Day Light



RGB Led-Hidden Stripe Lighting



HDD Lux High Power Led Lighting



Linear Fabric Dimmer Led Lighting



Sensors

Rain Sensor



Sun Sensor



Wind Sensor



Wind&Sun Sensor



Installation Types

Self Standing Single Module



Self Standing Multiple Modules



Wall Mounting Single Module



Wall Mounting Multiple Modules



Closures

Saphir & Cycle



Windbreaker



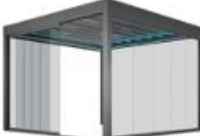
Glassfix



Frame



Slide



Vertiflex



Alufix



ALUMINUM

basic



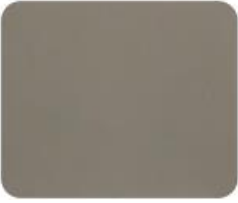
RAL 9016



RAL 1013



RAL 9006



RAL 7006



RAL 7016



RAL 9005

exclusive



OGN35



OS561



OY395



OGN39



ON617



ON611

texture



ST9010



ST9001



ST1013



ST7039



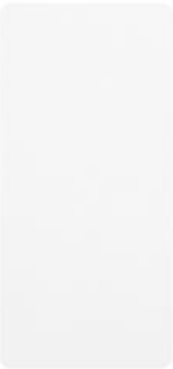
ST7016



ST8019

blackout fabric

premium



PW213/White



PC211/Cream



PG209/Grey

basic

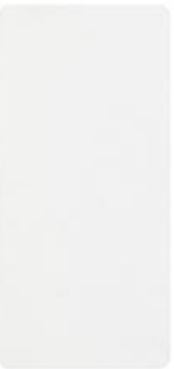


WT785/White



CR295/Cream

matt



MW23/White



MC26/Cappuccino

FABRIC

exclusive



WTEX/White



CRMX/Cream



GRYX/Grey



BRDX/Bordeaux

matt/linear fabric led



LW22/White



LCR33/Cream



LC44/Cappuccino



LG66/Grey

fabric

semi-transparent



STRW22/White



STRB33/Black

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



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

SAPHIR

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

Saphir 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 Drelux range so if there's a Drelux 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.

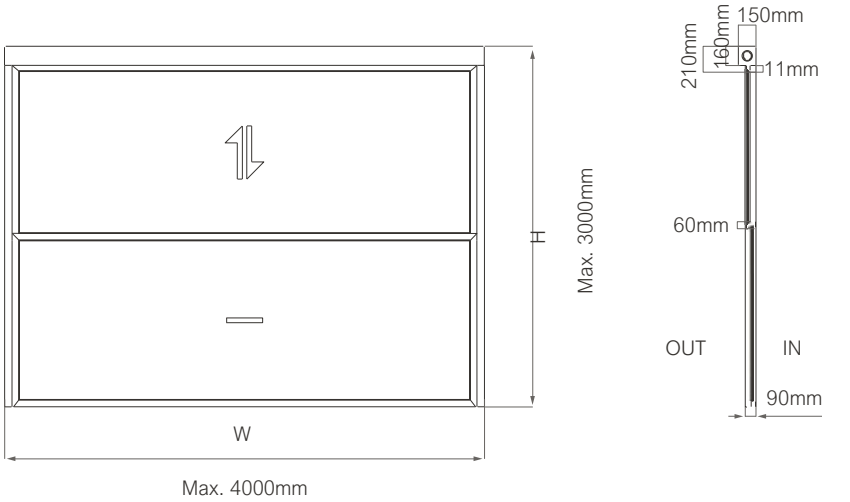
Thanks to multiple stacking positions, fixed panels can also incorporate the function of balustrades. The position of movable panels can be adjusted according to desired height.



Configurations

2 Panels / Down Parking

Standard Tempered Single Glass 8 / 10mm

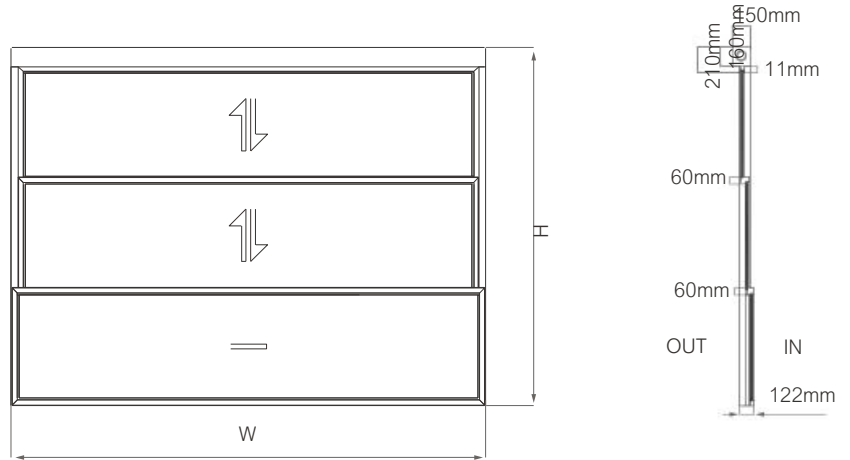


Internal View

Lateral Section

3 Panels / Down Parking

Standard Tempered Single Glass 8 / 10mm

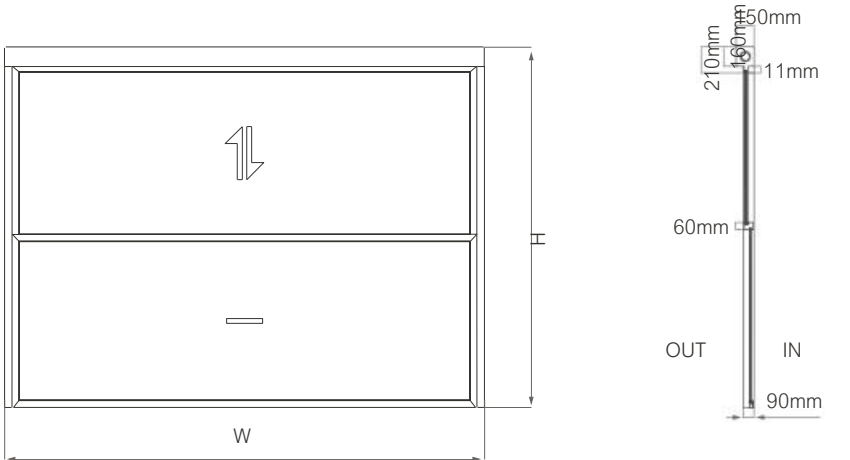


Internal View

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.)

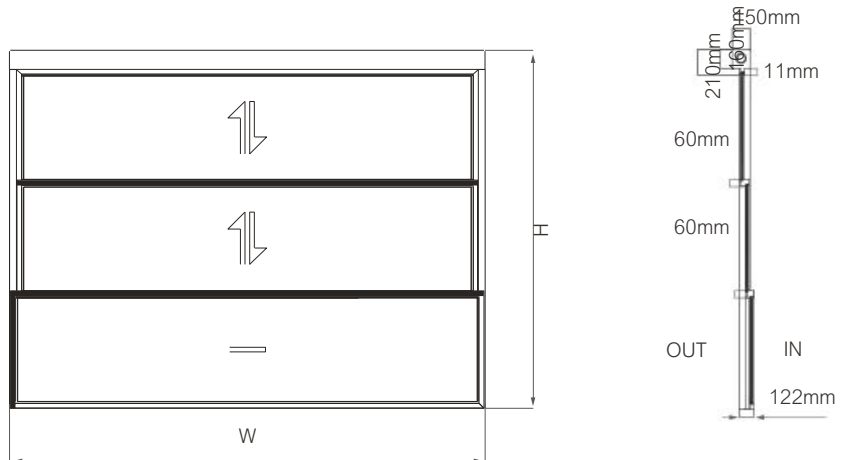


Internal View

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

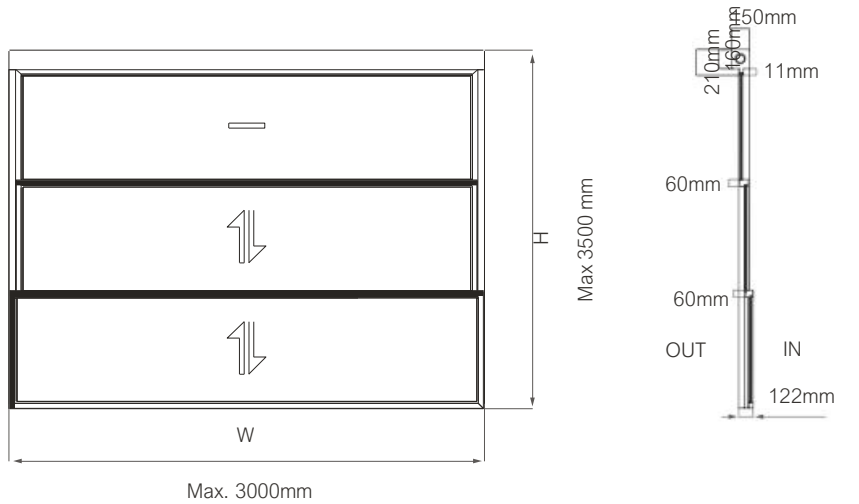
Max. W 4000 ▹ H 3000 mm
Max. W 3000 ▹ H 3500 mm

Lateral Section

Configurations

3 Panels / Up Parking

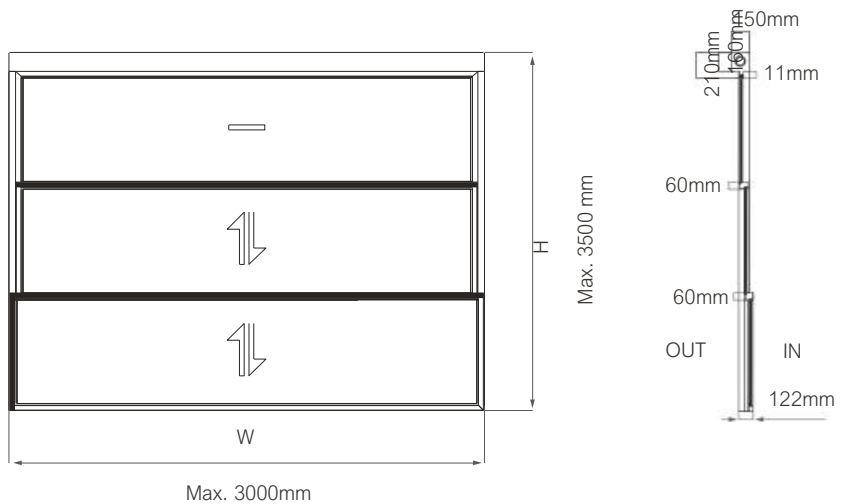
Standard Tempered Single Glass 8 / 10mm



Internal View

Lateral Section

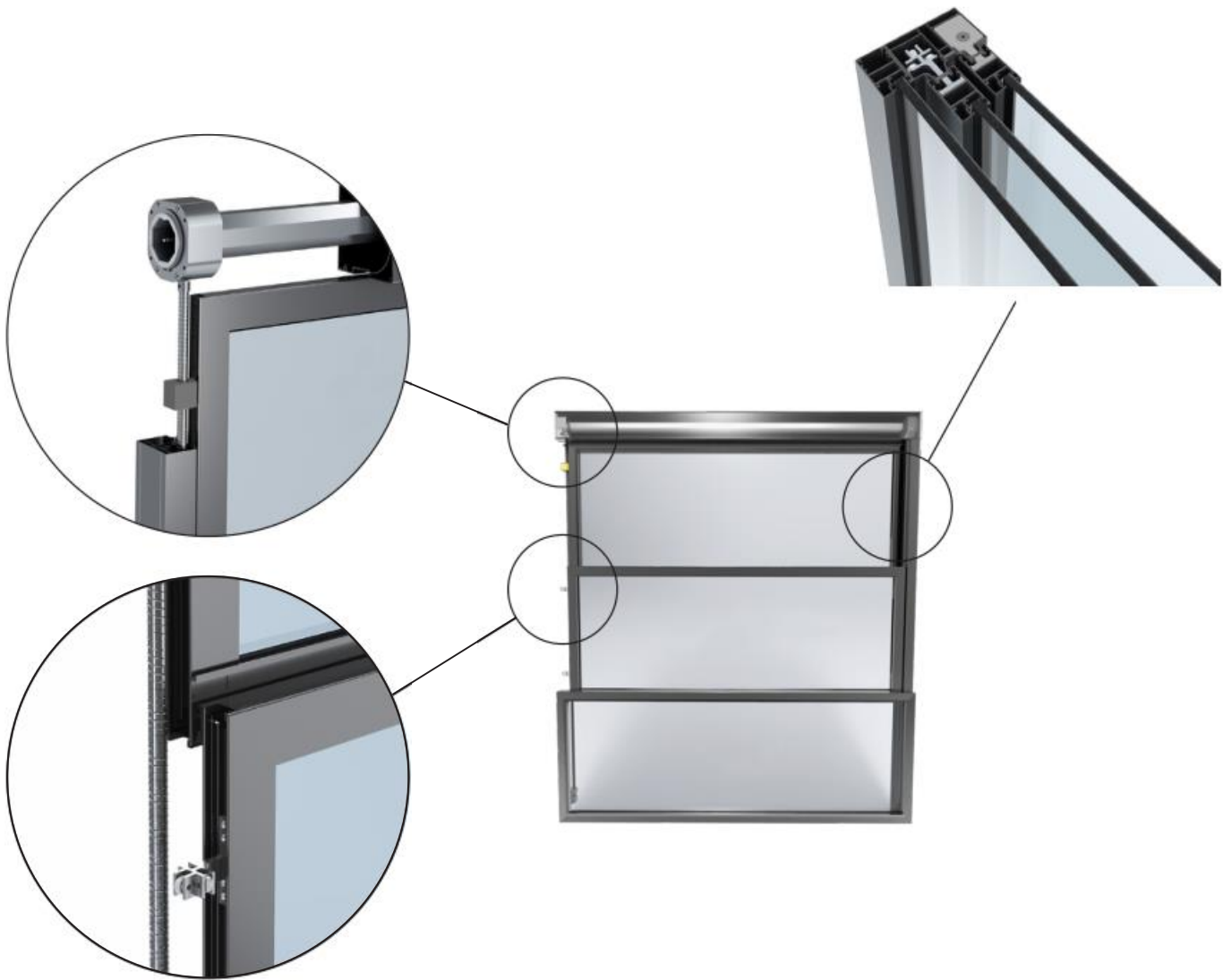
Insulated Double Glass 4+12+4 mm (width 2000-3000 mm max.)



Internal View

Lateral Section

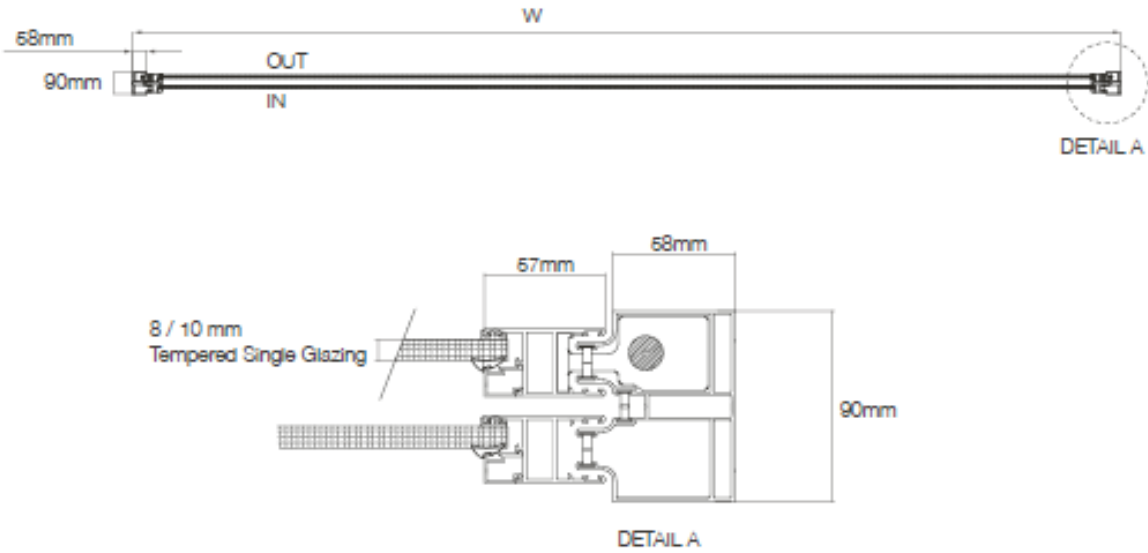
Worm Shaft Technology



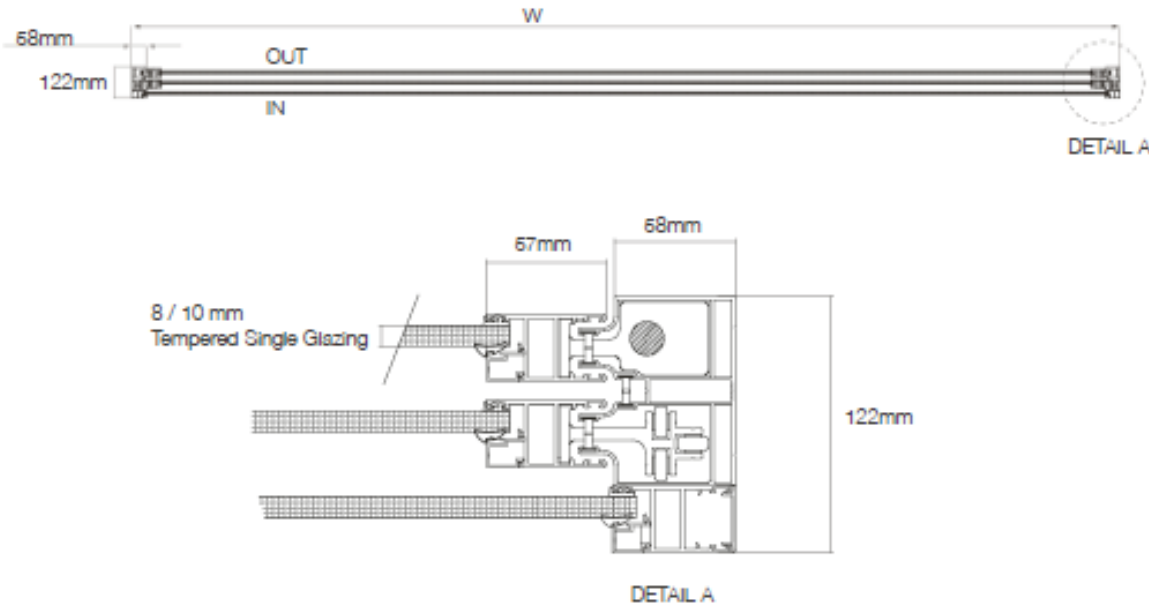
- The patented Worm Shaft technology eliminates the trembling and gives smooth movement even on large dimensions with its maintenance-free mechanism.
- This smart technology provides high degree safety compared to other working mechanism based on belts, ropes.
- Gearbox system transfers the movement 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.

Top Section

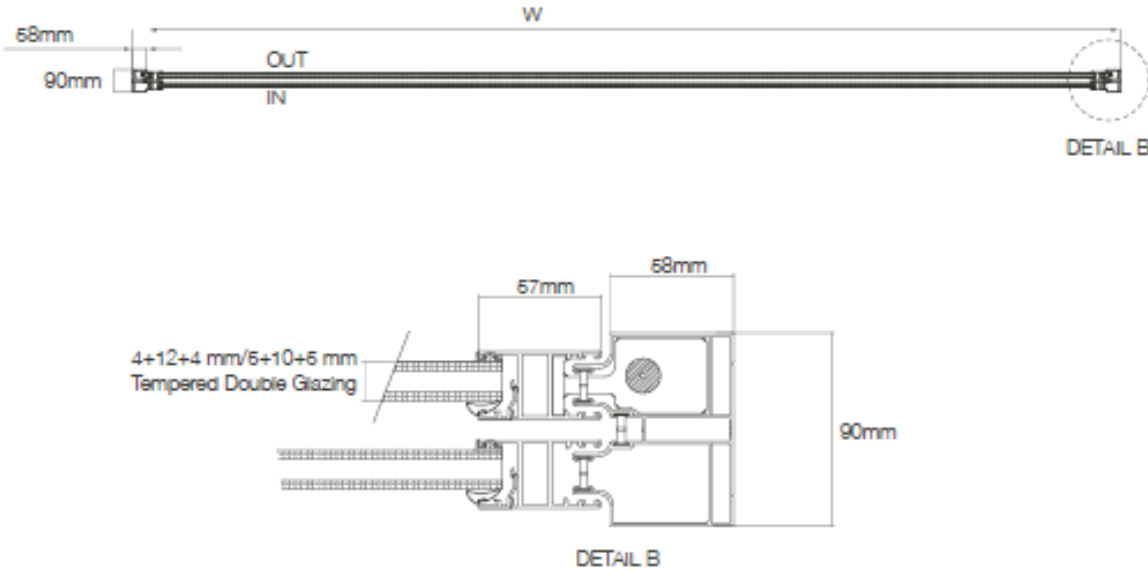
2 Panels Single Glazing



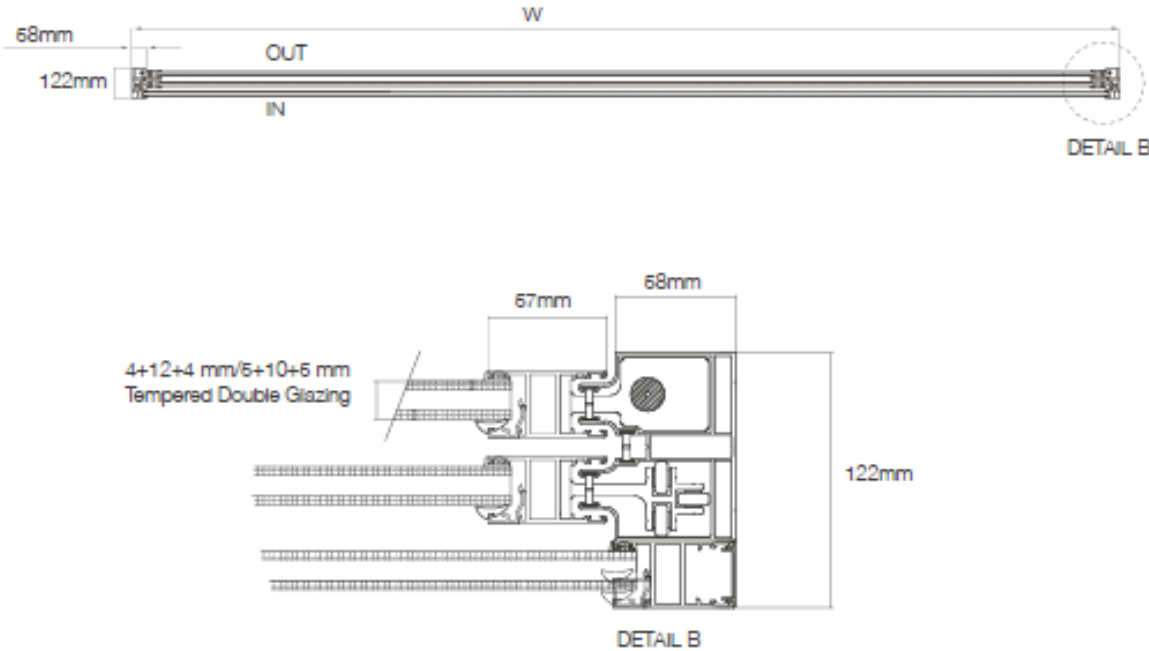
3 Panels Single Glazing



2 Panels Double Glazing

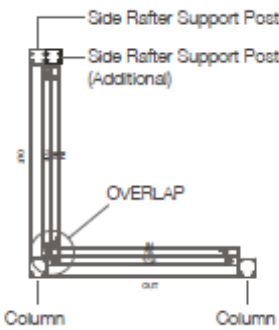


3 Panels Double Glazing

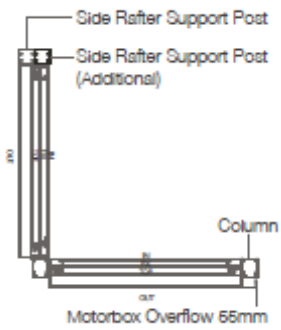


Overlap

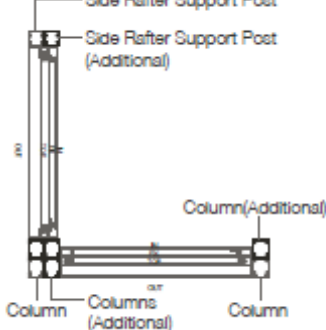
2 Panels
Gutter : 120mm
Column : 95x80 mm
Side Rafter : 75x80 mm



TOP viEW

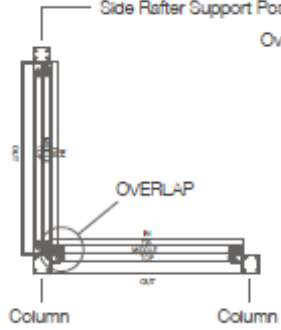


TOP viEW

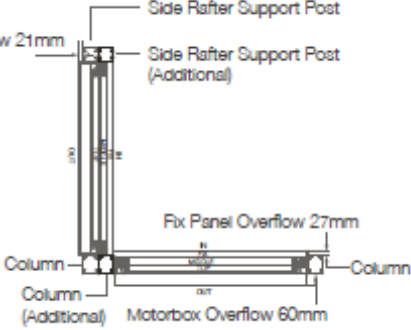


TOP viEW

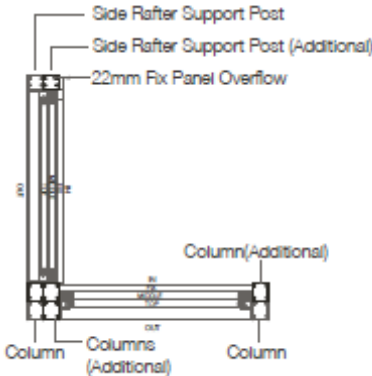
3 Panels
Gutter: 120 mm
Column: 95x80 mm
Side Rafter : 75x80 mm



TOP viEW

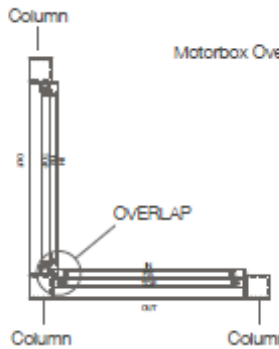


TOP viEW

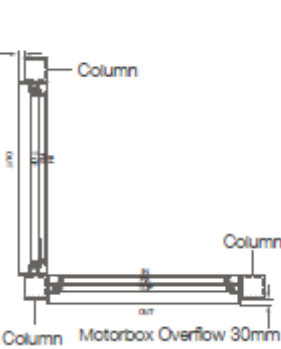


TOP viEW

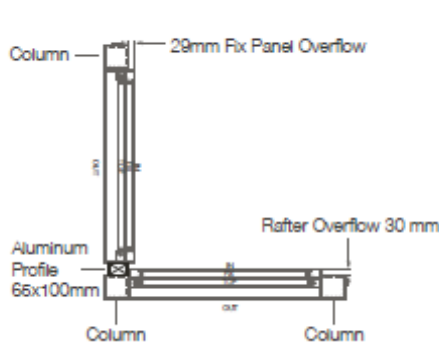
2 Panels
Gutter : 120mm
Column : 120x120 mm



TOP viEW

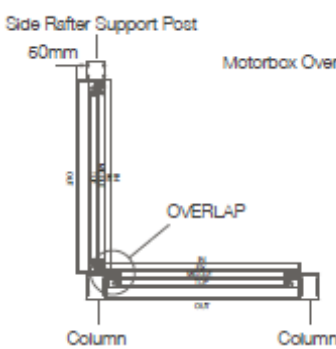


TOP viEW

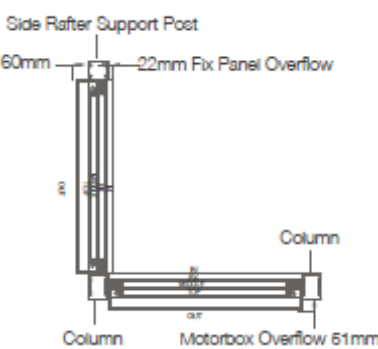


TOP viEW

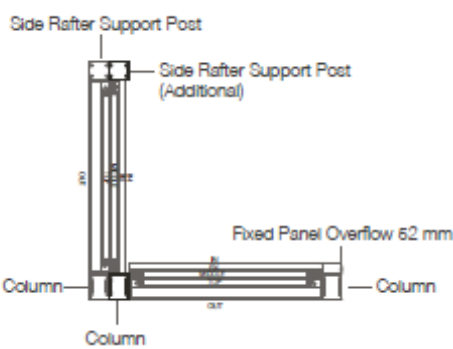
3 Panels
Gutter: 163 mm
Column: 100x130 mm
Side Rafter : 95x100 mm



TOP viEW



TOP viEW



TOP viEW

Order Form

2 Panels

SAPHIR

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

W

H

H1

H2

Fixed

*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

9016 1013

9006 7006

7016

9005

Exclusive colors

OGN35

OS561

OY395

OGN39

ON617

ON611

Texture colors

ST9010

ST9001

ST1013

ST7039

ST7016

ST8019

Other ...

GLASS COLORS

TR22 / Transparent

SM33 / Smoked

GN44 / Green

BL55 / Blue

BR66 / Bronze

Other.....

AUTOMATIC

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

SMART CONTROL

Situo 1 IO Pure.....pc

Situo 5 IO Pure.....pc

NINA IO.....pc

Thamo New Box.....pc

Connexoon Box.....pc

ADDITIONAL NOTES & DRAWINGS ATTACHED

Order Form

3 Panels

SAPHIR

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

W

H

H1

H2

H3

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

9016

1013

9006

7006

7016

9005

Exclusive colors

OGN35

OS561

OY395

OGN39

ON617

ON611

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Telis 4 Pure RTS.....pc

Telis 16 Pure RTS.....pc

SMART CONTROL

Situo 1 IO Pure.....pc

Situo 5 IO Pure.....pc

NINA IO.....pc

Thamo New Box.....pc

Connexoon Box.....pc

ADDITIONAL NOTES & DRAWINGS ATTACHED

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



CYCLE

Adequate comfort of panoramic transparency

Cycle is a vertical guillotine glass system with chain mechanism that is a culmination of this widely utilized modern design concept ensuring maximum transparency and excellent performance with its wide panoramic motorised glass panels.

Flawless design aesthetics offering a smart solution to numerous architectural requirements with simple and contemporary architectural design. The minimal aluminum frame of structure provides availability for an expanded and visually unobstructed perspective.

Cycle can be configured to fit various applications in commercial spaces such as restaurants, hotels, cafes as well as in residential applications.

System features striking elegance and unique facade configurations with its clear and precise lines creating a minimal look and offer a panoramic view in any kind of weather condition.

The movable panels are slid either upwards or downwards and parked behind fixed panel which forms a glass parapet.

Thanks to the full thermal break within the frame and the high specification of glazing used, these guillotine windows have high level of thermal insulation, solar protection and transparency. Different number of glass options are available to provide the needed specific performance.

The system is operated by chain mechanism for ultra-simple control. The motorization of system is fully hidden.

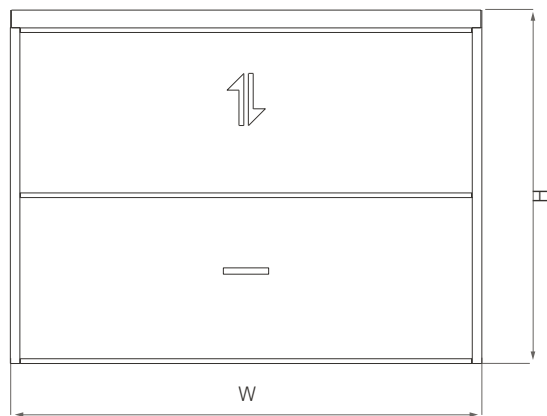
To ensure complete safety, system stops when it meets with an obstacle thanks to smart sensor technology that contributes the safety precautions and make the system highly dependable, durable and performing product.

Additionally smart home automation systems can be integrated as well switch and remote control options, with a touch of a button you can create your desired ambience.

Configurations

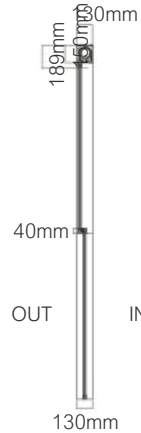
2 Panels / Down Parking

Insulated Double Glass 5+11+5 mm



Internal View

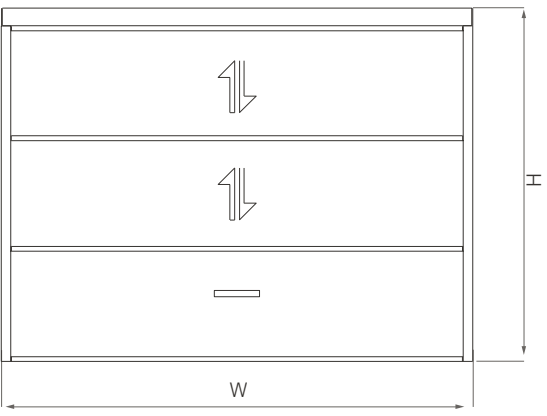
Max. W 4000 H 2500 mm
Max. W 3500 H 2750 mm
Max. W 3000 H 3000 mm



Lateral Section

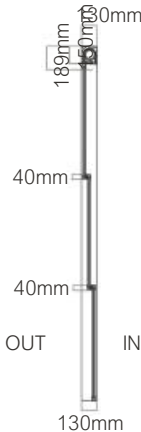
3 Panels / Down Parking

Insulated Double Glass 5+11+5 mm



Internal View

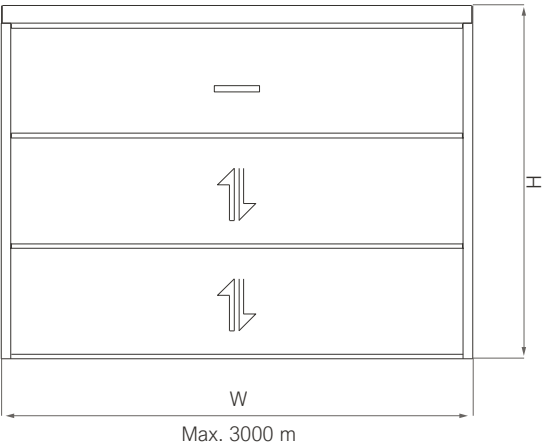
Max. W 4000 H 3000 m
Max. W 3000 H 3500 mm



Lateral Section

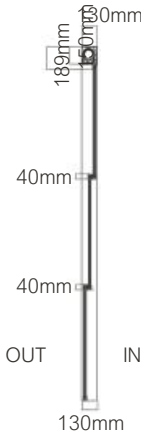
3 Panels / Up Parking

Insulated Double Glass 5+11+5 mm



Internal View

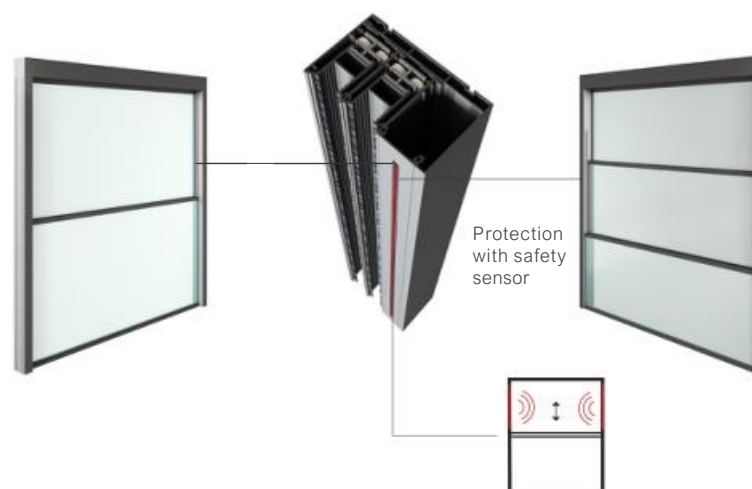
Max. 3500 mm

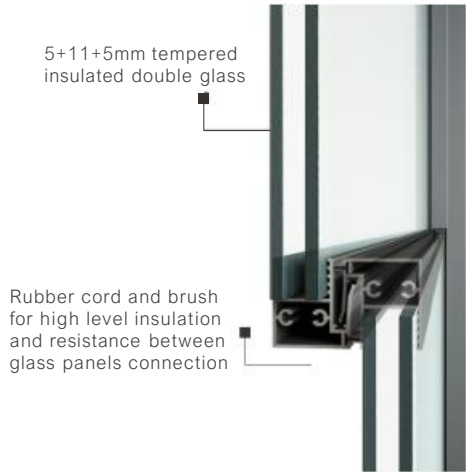
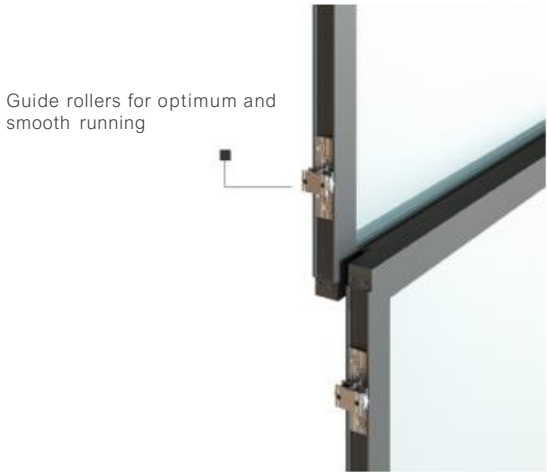
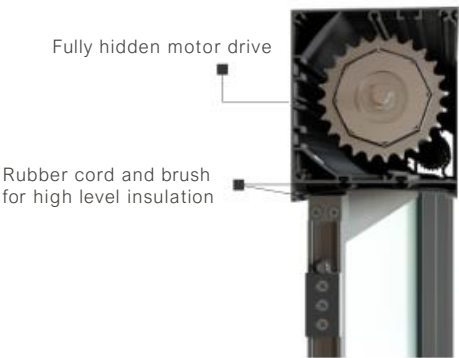
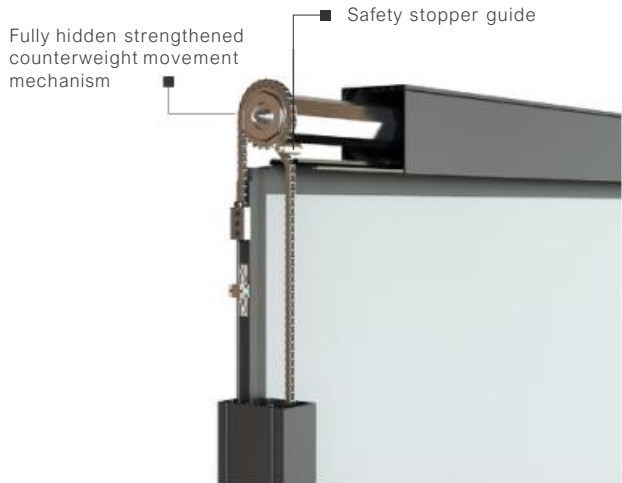
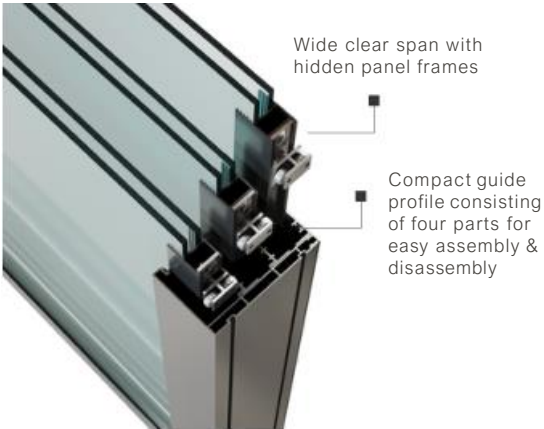
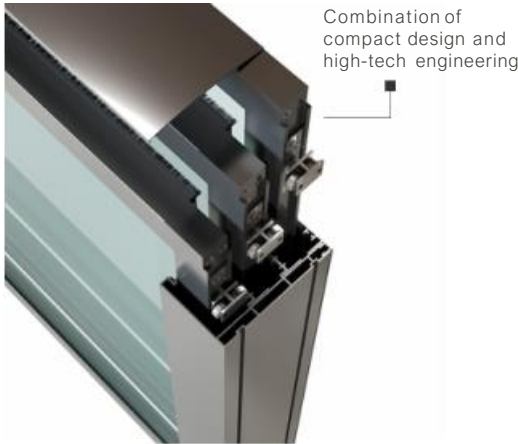
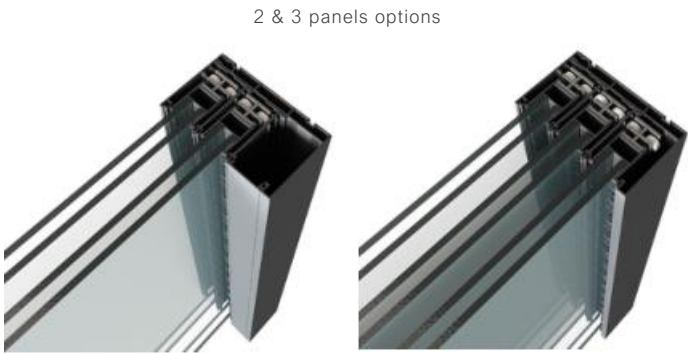


Lateral Section

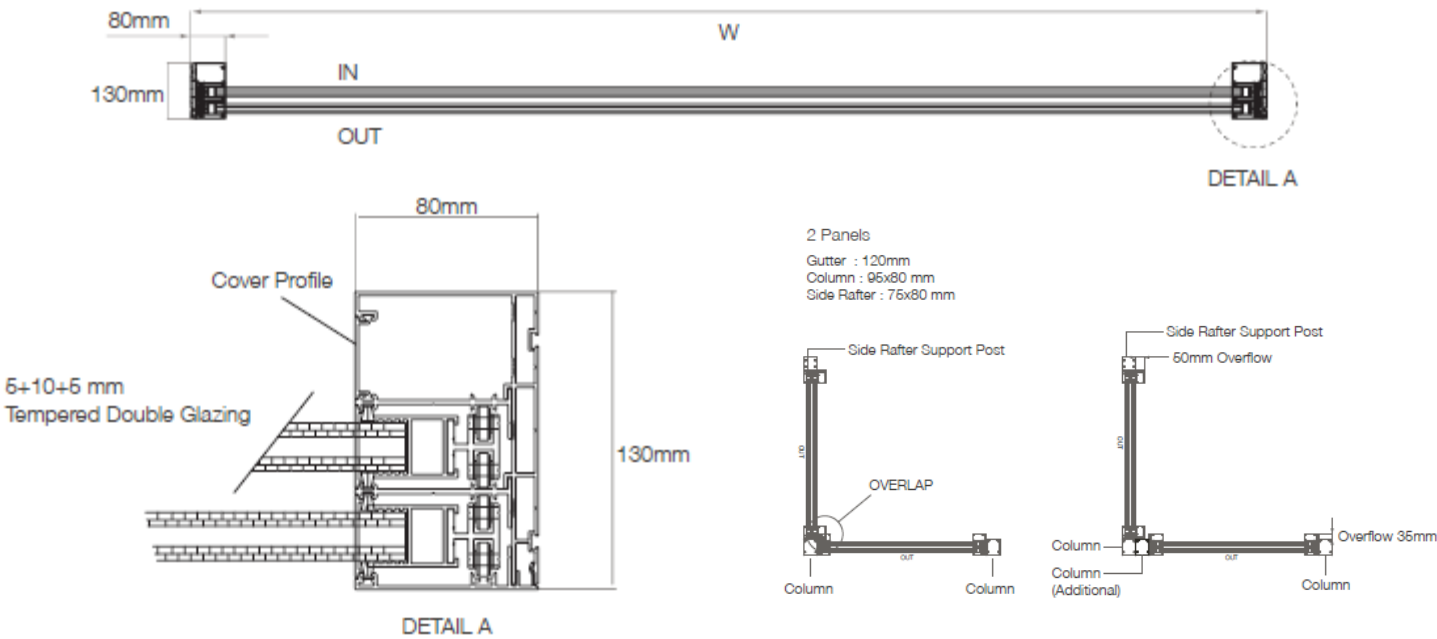


Cycle Guillotine Glass System
Cycle Guillotine Glass Systems provide an unobstructed view
and offers ease of use thanks to its motorized working principle.

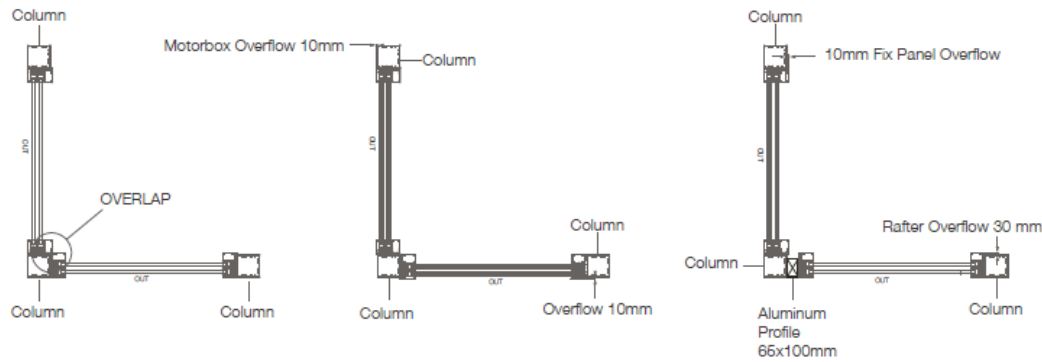




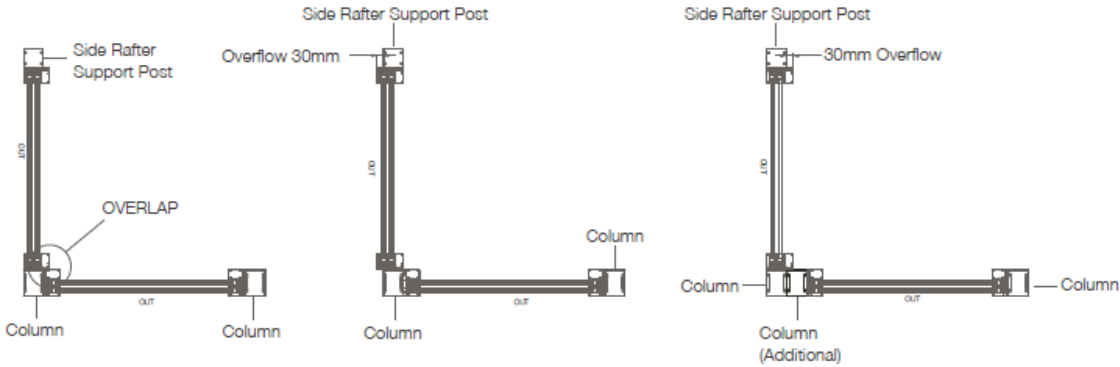
2 Panels Double Glazing



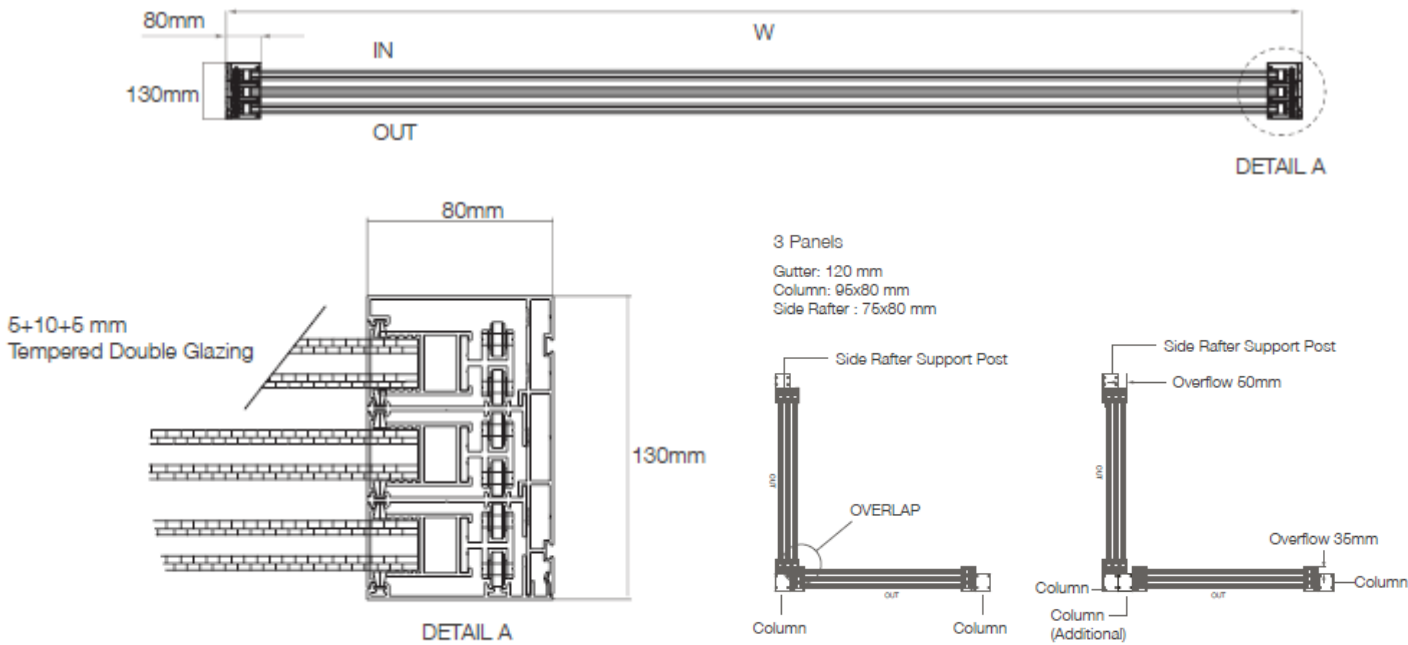
2 Panels
Gutter : 120mm
Column : 120x120 mm



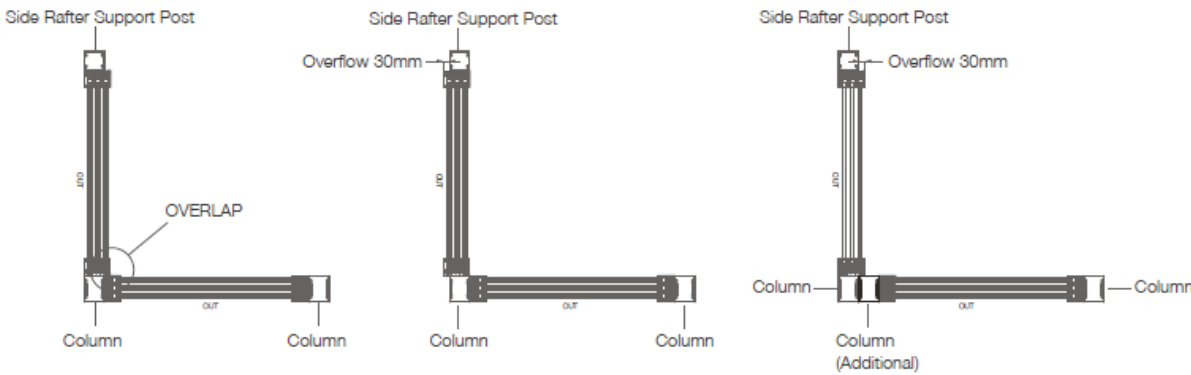
2 Panels
Gutter : 163mm
Column : 100x130 mm
Side Rafter : 95x100 mm



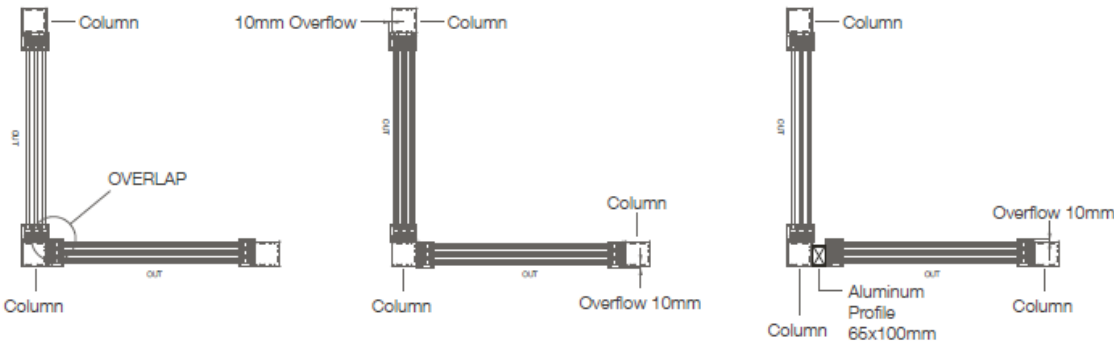
3 Panels Double Glazing



3 Panels
Gutter: 163 mm
Column: 100x130 mm
Side Rafter : 95x100 mm



3 Panels
Gutter : 120mm
Column : 120x120 mm



Order Date:☐ ADDITIONAL NOTES & DRAWINGS ATTACHEDOrder Date:☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details

2 Panels



Description	Glazing Type
Glazing	5+11+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
Double Insulated Glazing	5mm T + 11mm air gap + 5mm T

3 Panels



Description	Glazing Type
Glazing	5+11+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
Double Insulated Glazing	5mm T + 11mm air gap + 5mm T

Windbreaker

Definition of outdoor areas with wider panoramas

Windbreaker 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.



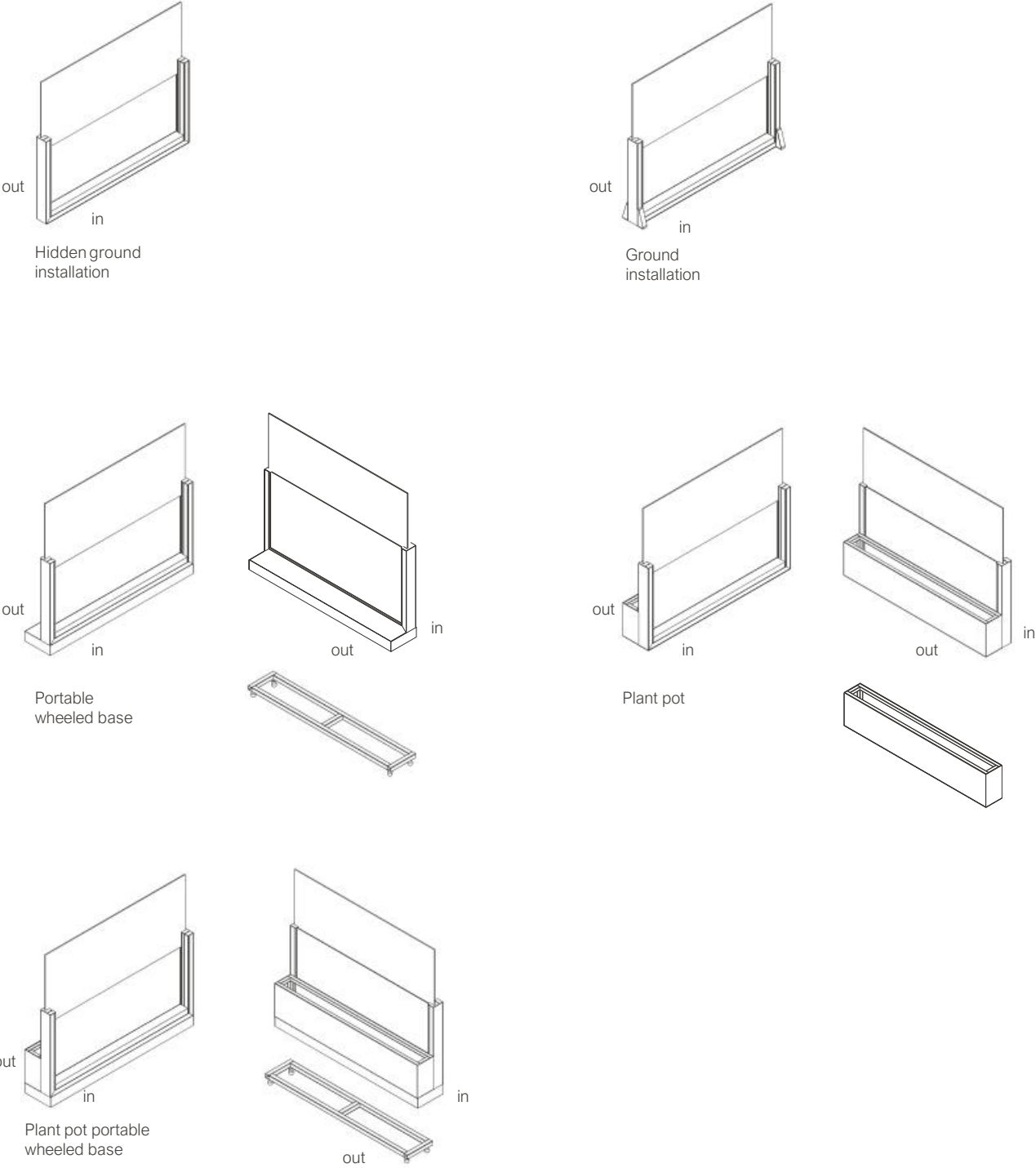
WINDBREAKER



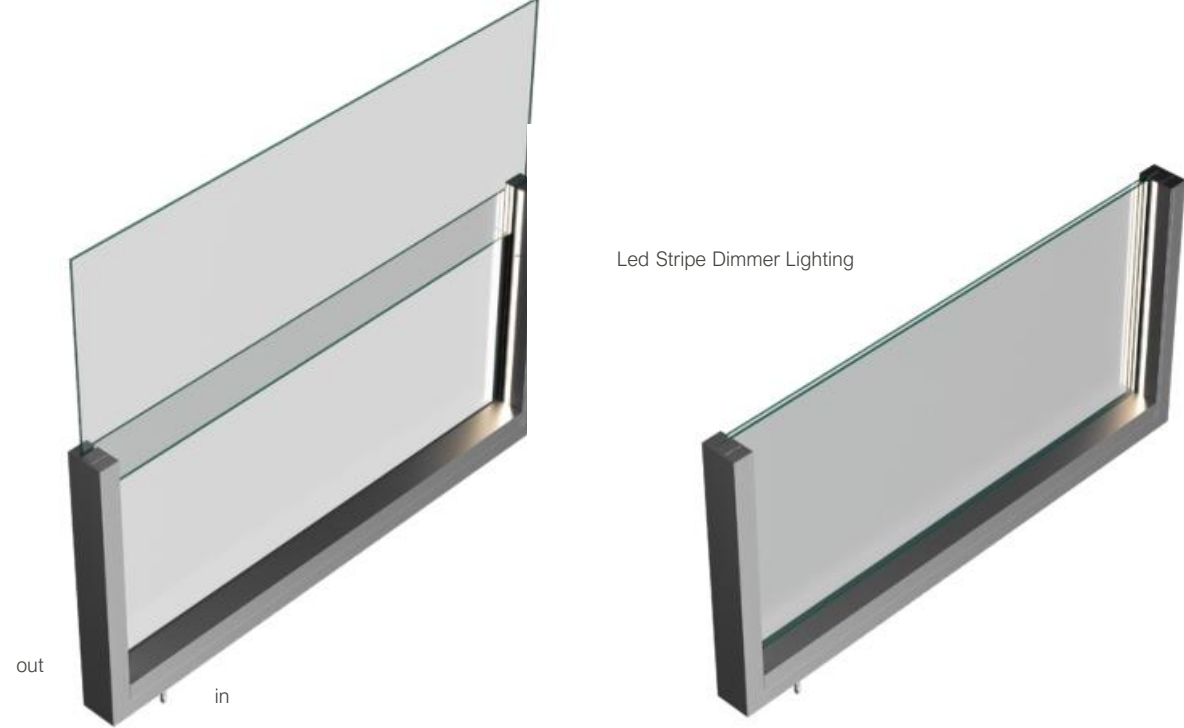
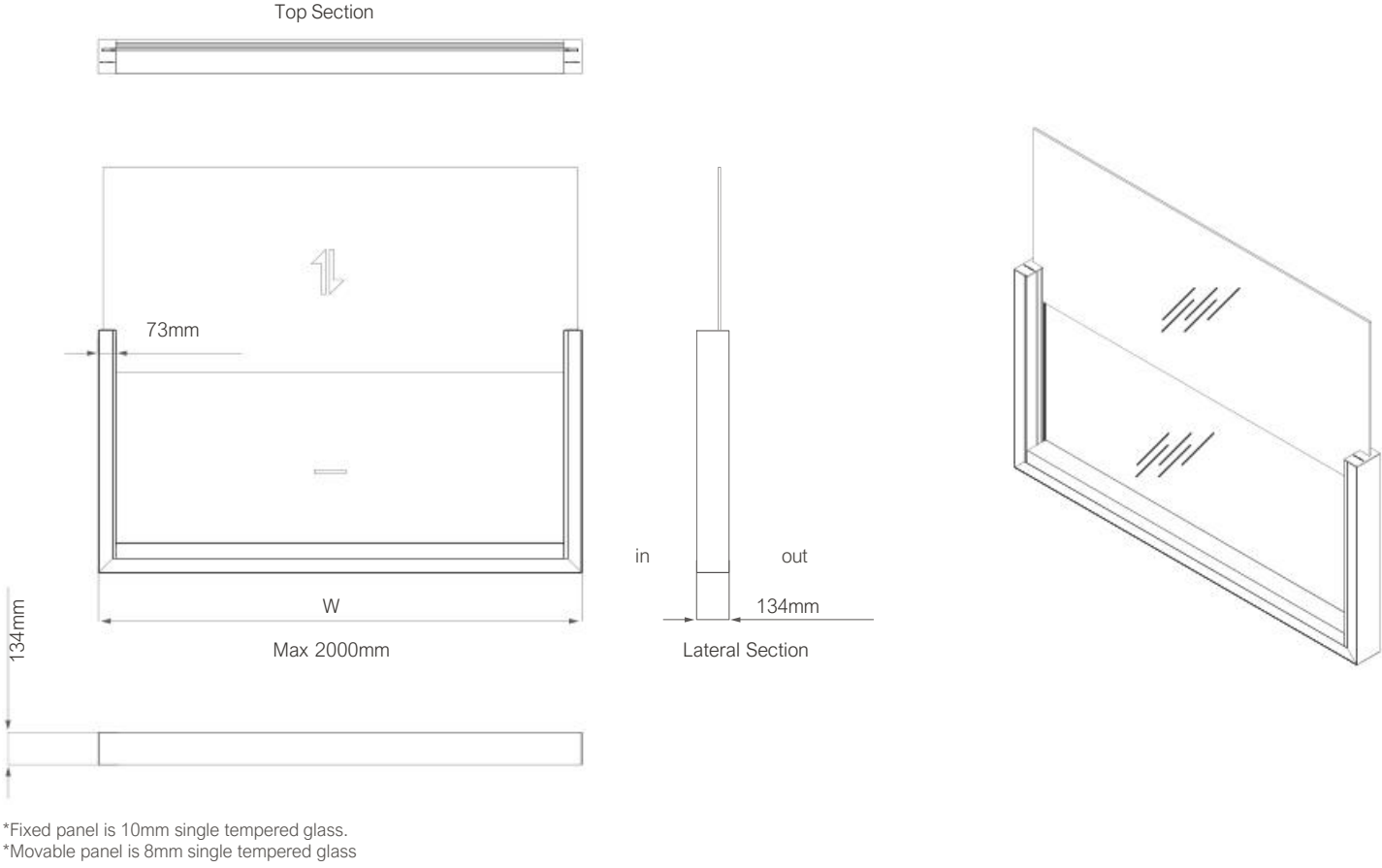
Led Stripe Dimmer Ligting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

■ Led Stripe Dimmer Lighting

Installation & Base Options

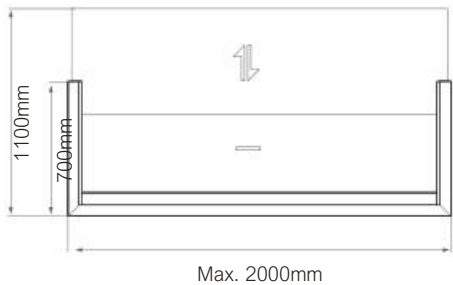


Section Details

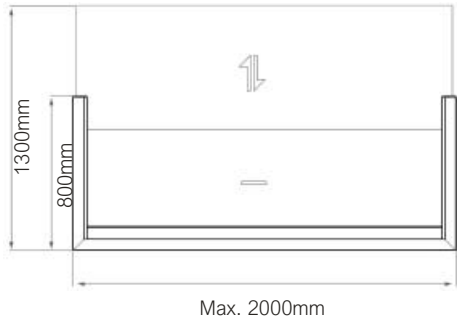


Configurations

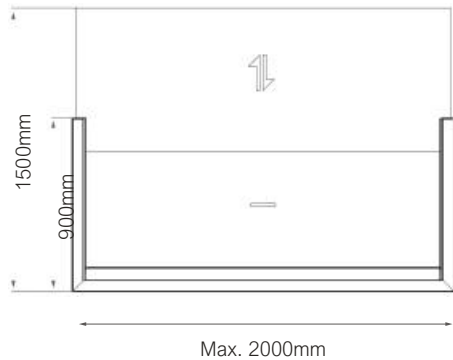
H70



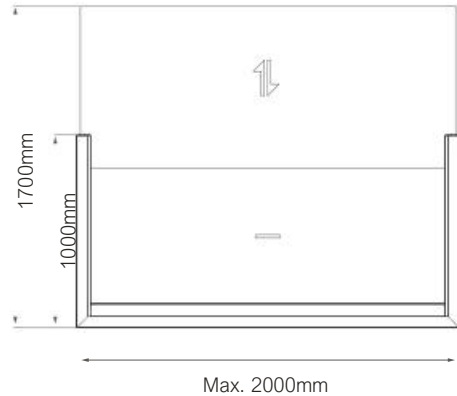
H80



H90



H100



Order Form

WINDBREAKER

Company Name:
Order Reference:

Order Date:

CONFIGURATIONS

- ☐ H70
- ☐ H80
- ☐ H90
- ☐ H100

DIMENSIONS

Width :.....mm

Quantity :.....pc

W :.....mm

Q :.....pc

.

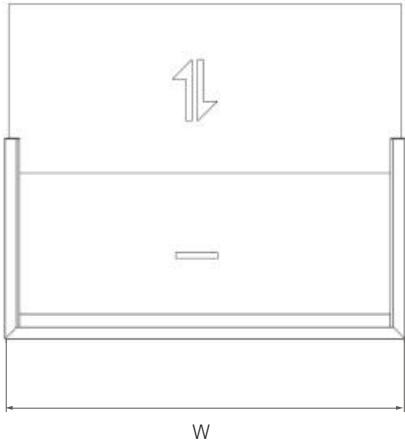
.

.

.

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

- ☐ With Glass
- ☐ Without Glass



POWDER-COAT COLORS

- RAL colors

☐ 9016

☐ 1013

☐ 9006

☐ 7006

☐ 7016

☐ 9005
- Exclusive colors

☐ OGN35

☐ OS561

☐ OY395

☐ OGN39

☐ ON617

☐ ON611
- Texture colors

☐ ST9010

☐ ST9001

☐ ST1013

☐ ST7039

☐ ST7016

☐ ST8019
- ☐ Other ...

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

Technical Details



Glazing	Fixed panel 10 mm tempered single glass Up-down panel 8 mm tempered single glass
Max. width for single module	2000 mm
Max. height for single module	1000 mm (fixed) + 700 mm (up-down)
Max. movable glazed frame weight	50 kg
Fixed panel glass dimension	10 mm single tempered
Movable panel glass dimension	8 mm single tempered
Frame profile dimension	134x73 mm
Surface finish	Electrostatic powder-coating
Motor type	220 VAC 50 Hz double shaft direct drive
Control system	Switch, remote control options
Automation	included
Control Unit	optional
Led Stripe Dimmer lighting	optional
Ground installation (inox)	optional
Wheeled base	optional
Plant pot	optional



GLASSFIX

Minimal separation way for exteriors...

Glassfix is a glass balustrade system that can be applied in various application areas with its modern and minimalistic design. System provides the simplicity and elegance demanded by today's world at the same time and creates an effective solution with its straight lines. It is both a safety barrier and protects your living space against wind and various other elements.

When the clean lines of the glass balustrade match with the modern finish it will enable you to have experience of the glass elegance by providing the optimum result as an architectural solution.

Thanks to its transparent appearance, it does not create an obstacle between inside and outside and protects you against external influences with its strong protection effect.

Multiple modules that come side by side with sandwich panel structure and optional handrail preference give you the choice to cover a wider area. With a maximum width of 6 m and a height of 1 m, it can be used comfortably in many different areas such as balcony, terrace, pool side, patio, garden, restaurant and cafe.

Glassfix is an ideal option for structural glass solutions that creates no obstruction insight through a space with a minimal contemporary finish throughout for use as frameless balustrades.

The stylish lighting solution that can be integrated into the system creates distinguished features.

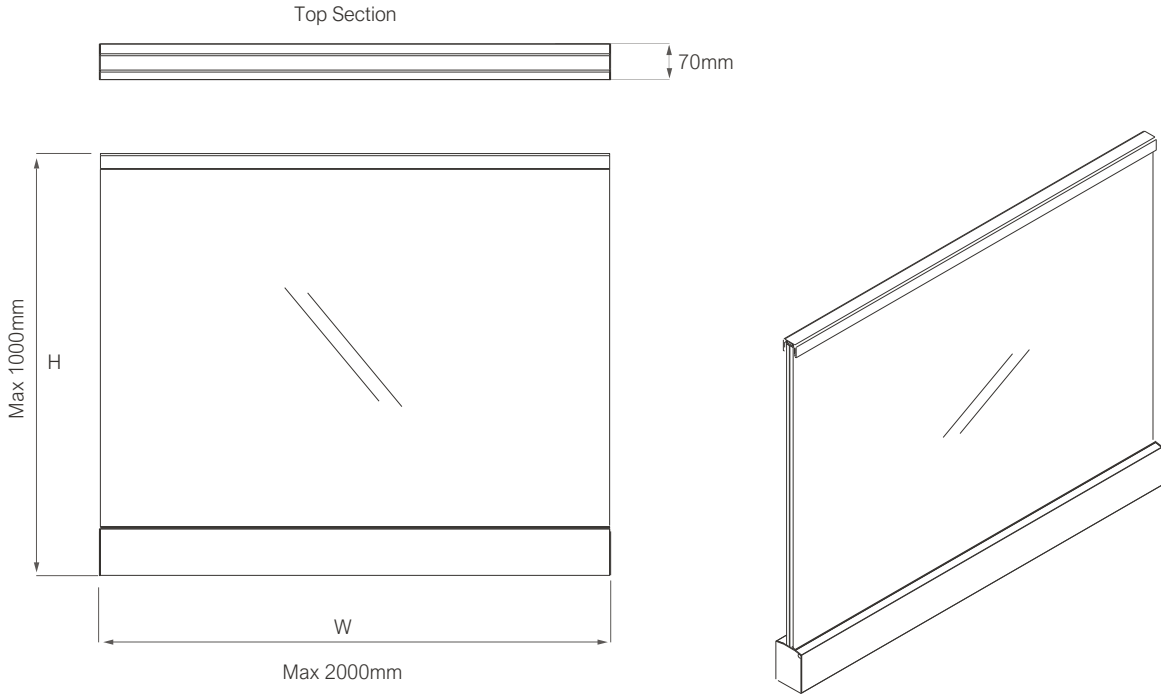
It enables you to design a minimal, aesthetically neat and functional glass barrier between levels with no visible fixings.



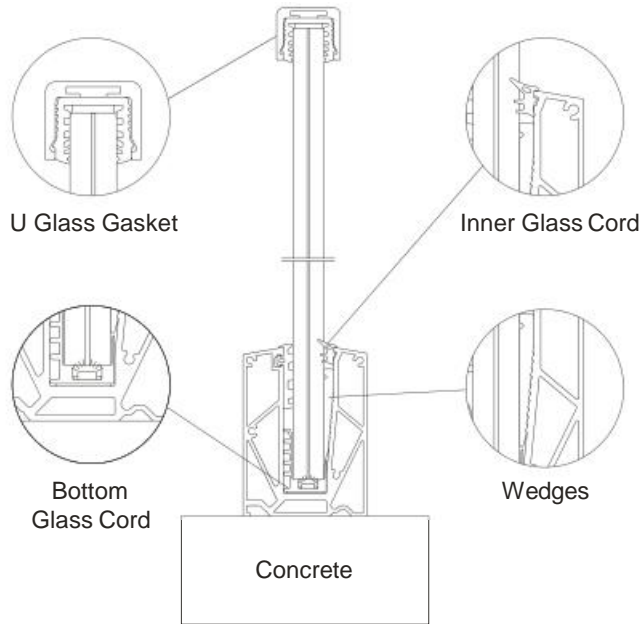
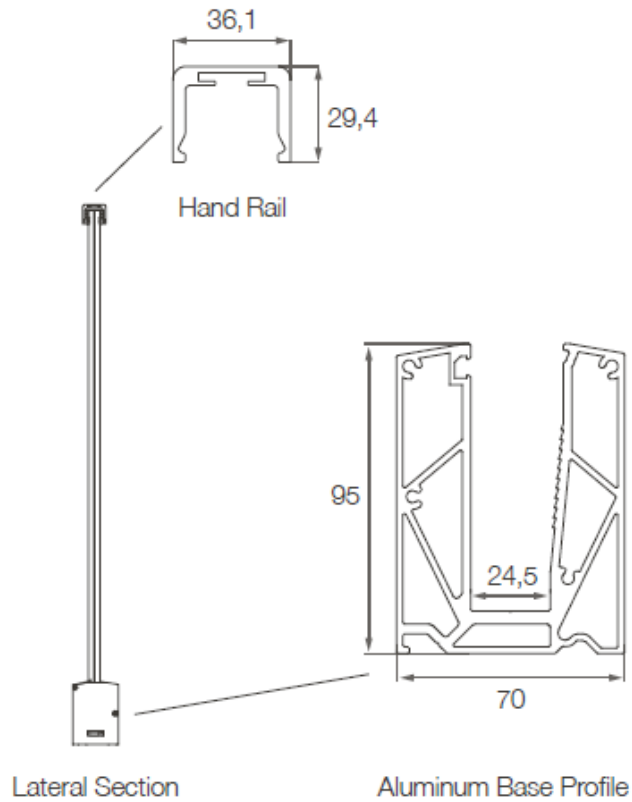
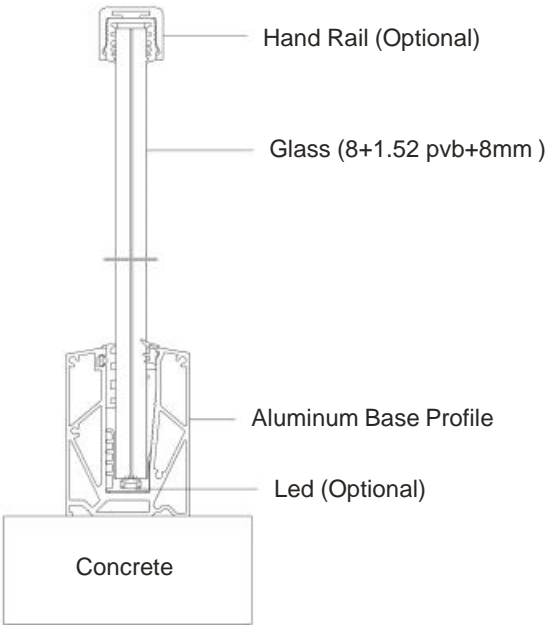
Led Stripe Dimmer Ligting illuminates all around the system and creates a warm atmosphere. Dimmable Soft Led Stripe lighting on sides within the structure provides intensity of day light or cool white options.

■ Led Stripe Dimmer Lighting

Section Details



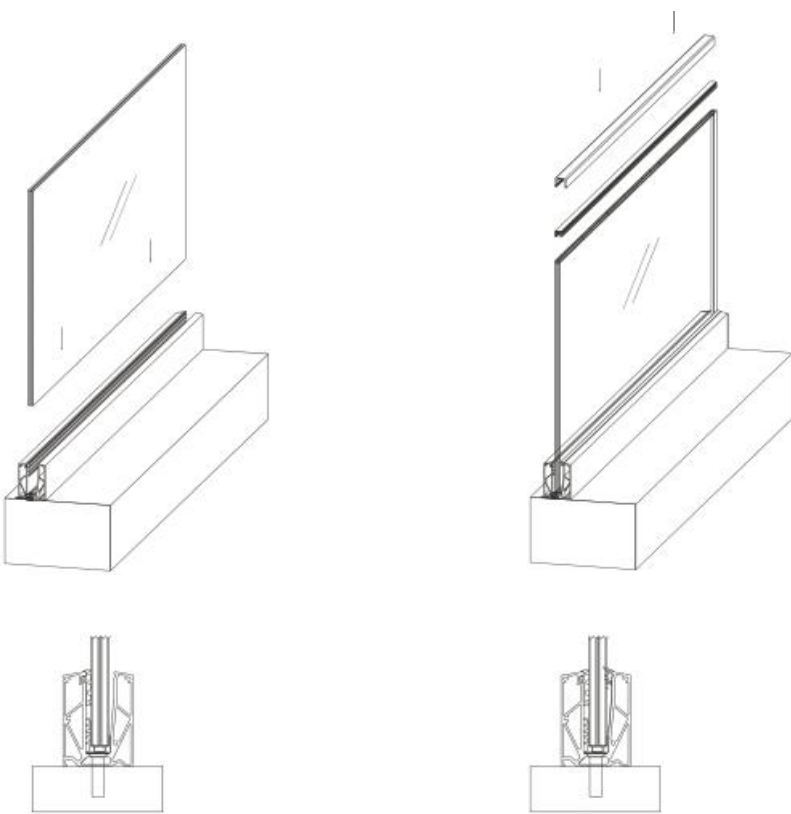
Accessories & Optionals



Installation & Base Options

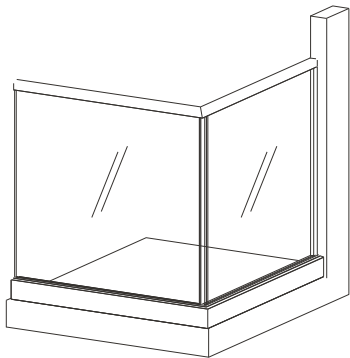
Compact & Easy Assembly

The system reaches its compact outlook with simple and quick installation steps.

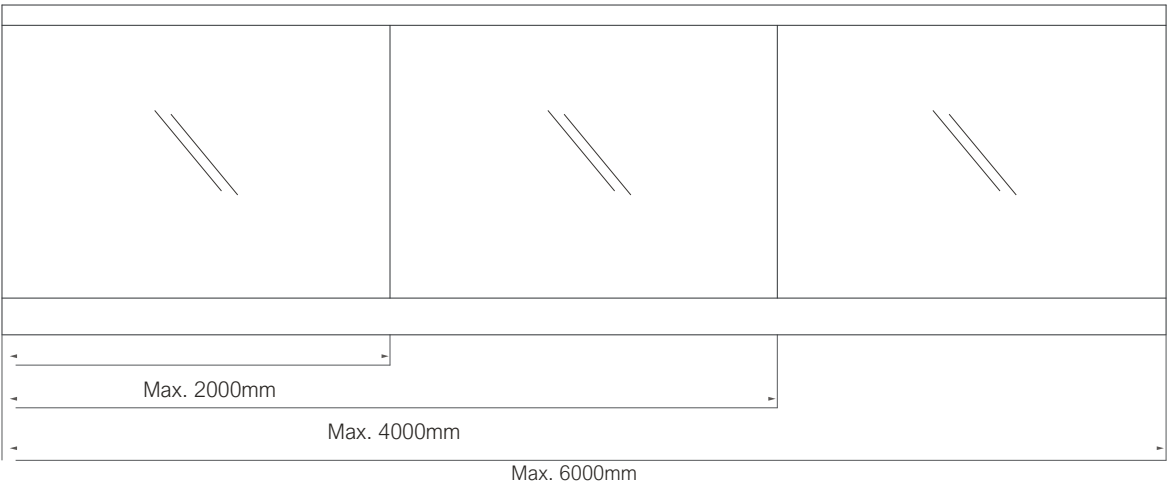
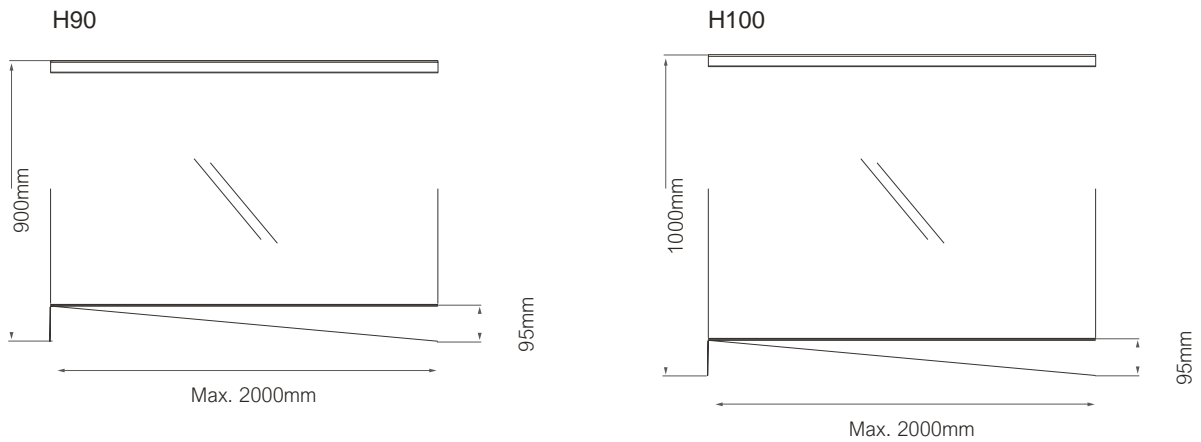
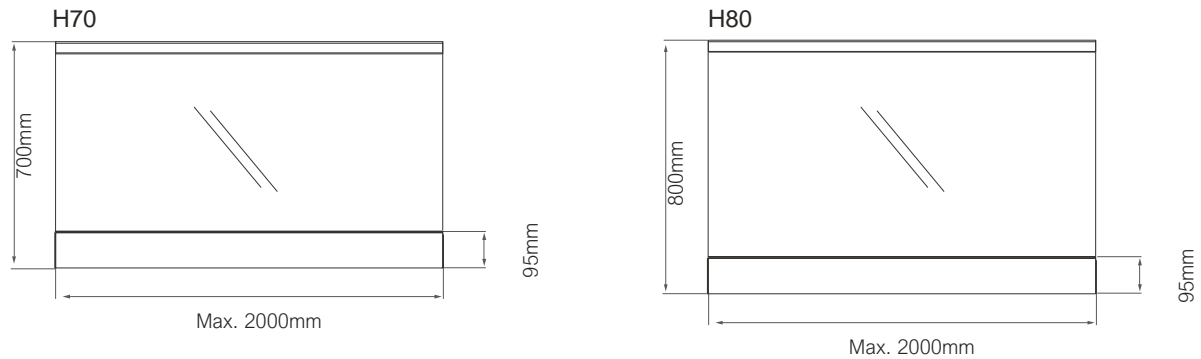


Smooth Edge Connection

Clean appearance in the corner points.



Configurations



One Module
1000<2000mm

Two Modules
2000<4000mm

Three Modules
4000<6000mm

Order Form

GLASSFIX

Company Name:
Order Reference:

Order Date:

CONFIGURATIONS

- ☐ H70
- ☐ H80
- ☐ H90
- ☐ H100

DIMENSIONS

Width :.....mm Quantity :.....pc

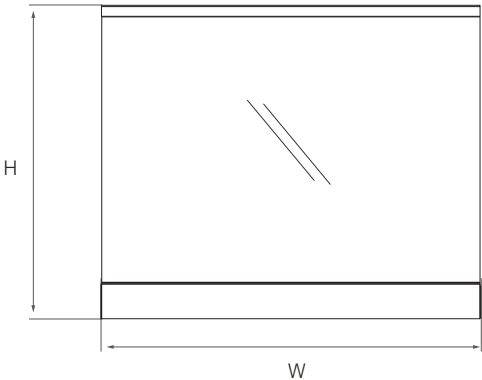
W :.....mm Q :.....pc

.....

.....

GLASS OPTION

- ☐ With Glass
- ☐ Without Glass
- * Glass is 8MM+1,52PVP+8MM



If modules are multiple and each module is in different width, please provide details (max. width for single module is 2000 mm, double modules 4000 mm, triple modules 6000 mm)

W1 cm

W2 cm

W3 cm

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
- ☐ Handrail
- ☐ Cool White
- ☐ Day Light

LIGHTING OPERATION

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

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



Glazing	8+1.52 pvb+8 mm laminated glass
Max. size for single system	6000x1000 mm (three modules)
Max. width for single module	2000 mm
Max. height for single module	1000 mm
Aluminum base profile	70x95 mm
Surface finish	Electrostatic powder-coating
Lighting operation	Switch, remote control options
Automation	N/A
Led Stripe Dimmer lighting	optional
Control unit	optional
Hand rail	optional

* N/A (not available)



FRAME

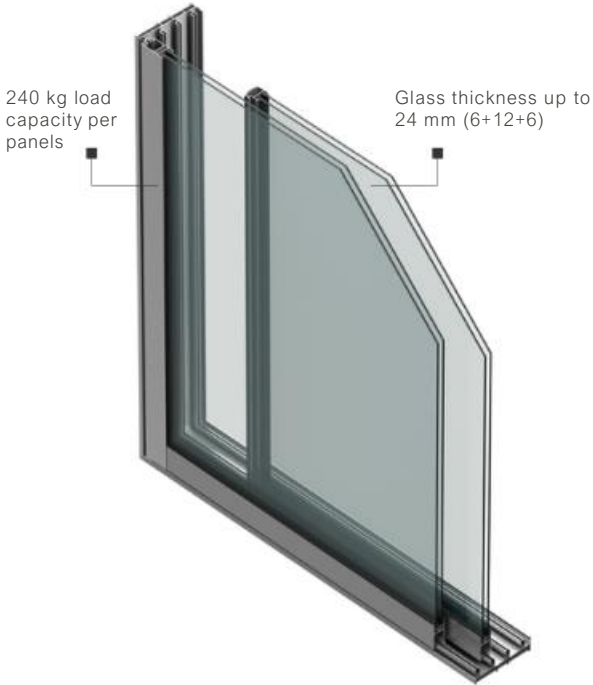
Frame is sliding glass system with fine-framed double glazed panels

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.

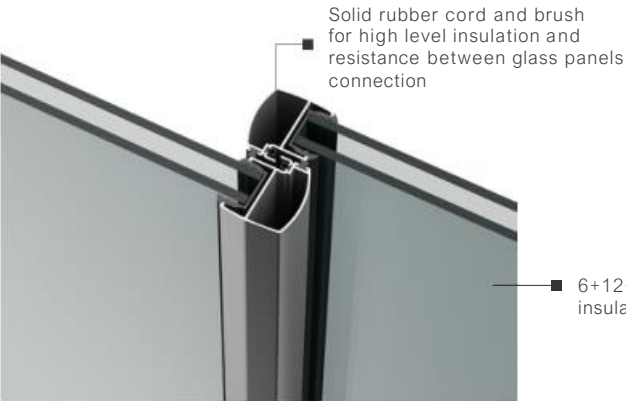
Frame provides reinforced profile designs for customized static values, condensated frame profile design as well as glazing up to 26mm thickness.

System is ease of install with compact connection details.

FRAME



Bottom wheel carriages with double rollers ensure optimum and smooth running sliding with wide glass panes



6+12+6mm tempered insulated double glass

Technical Specifications	Measurements	
System Depth	Frame	81,7/112,6/181,7 mm
	Sash	38 mm
Air Permeability	Opening Sash	24 mm

* Take double glazing thickness tolerances into consideration.

Performance Criteria	Classification	Test Standards
Thermal Transm. Coeff.*	-	-
Air Permeability	Class 8A (450 Pa)	EN 1026 EN 12207
Water Tightness	Class 4 (600 Pa)	EN 1027 EN 12208
Resistance to Wind	Class B2 (800 Pa)	EN 12210

* Special condensation calculations for the project were separately carried out.
** Please contact us to obtain reports that contain the relevant performance values.

Taking up minimum space in open position up to 8 panels option

Rubber cord for feature a smooth, compact look and concealed soft-close technology



Special sloped rail design for efficient drainage

Brush seal on joint point of panels for maximizing



Adjustable panel height up to 8mm



Technical Specifications	Measurements	
System Depth	Frame	81,7/112,6/181,7 mm
	Sash	38 mm
Air Permeability	Opening Sash	24 mm

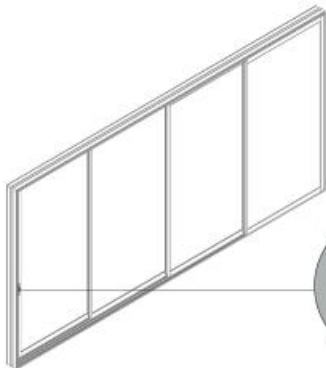
* Take double glazing thickness tolerances into consideration.



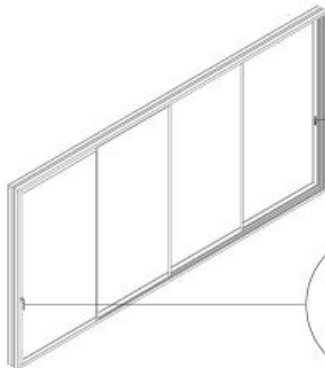
Performance Criteria	Classification	Test Standards
Thermal Transm. Coeff.*	-	-
Air Permeability	Class 8A (450 Pa)	EN 1026 EN 12207
Water Tightness	Class 4 (600 Pa)	EN 1027 EN 12208
Resistance to Wind	Class B2 (800 Pa)	EN 12210

* Special condensation calculations for the project were separately carried out.
** Please contact us to obtain reports that contain the relevant performance values.

Handles & Lock Positions



OUTER VIEW



INNER VIEW

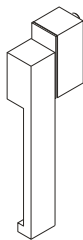
Inner Handle
with Hidden
Lock

Inner Handle
with Click
Lock

Outer
Handle

Handles & Lock Types

Inner Handle
with Click Lock



Section Details

Inner Handle
with Hidden
Lock



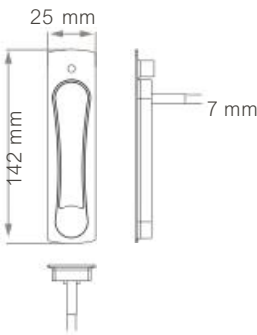
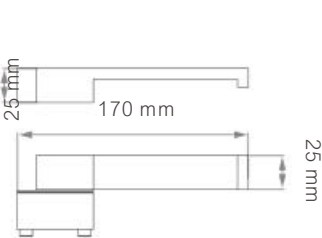
Section Details

Outer Handle



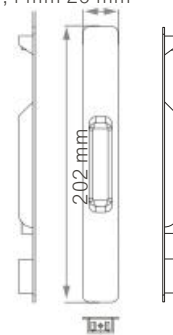
Section Details

54,1 mm



7 mm

1,4 mm 26 mm



Anodising Brushed Color Options



Natural



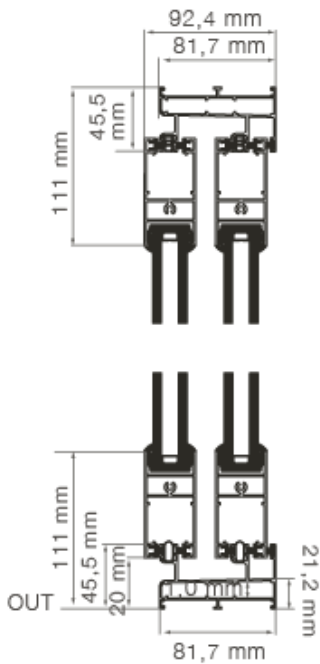
Metallic



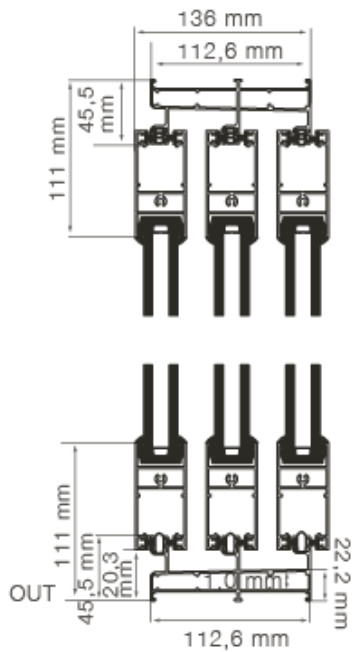
From natural and metallic to anodizing brushed color options give a sleek and elegant finish to systems.

Section Details

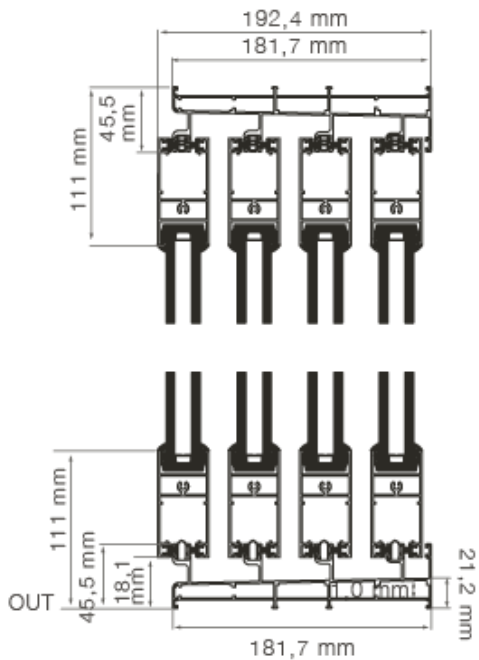
2 Rails



3 Rails



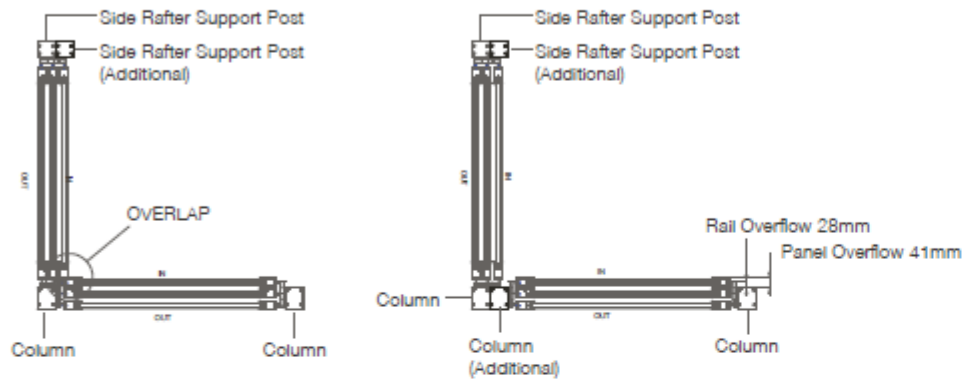
4 Rails



Overlap

3 Rails

Gutter : 120mm
Column : 95x80 mm
Side Rafter : 75x80 mm

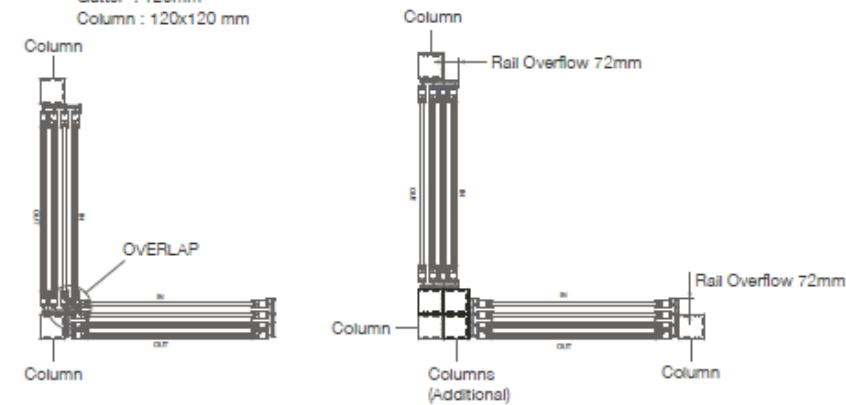


TOP VIEW

TOP VIEW

4 Rails

Gutter : 120mm
Column : 120x120 mm

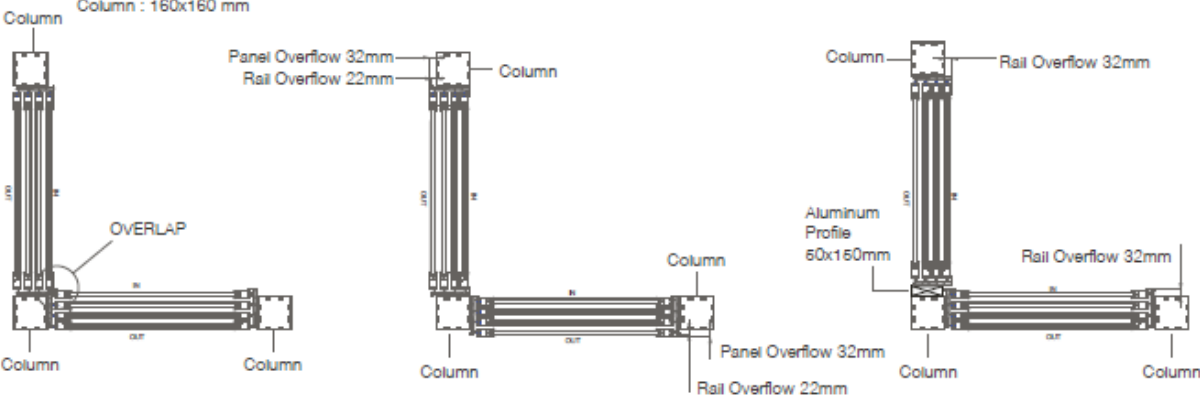


TOP VIEW

TOP VIEW

4 Rails

Gutter : 160mm
Column : 160x160 mm



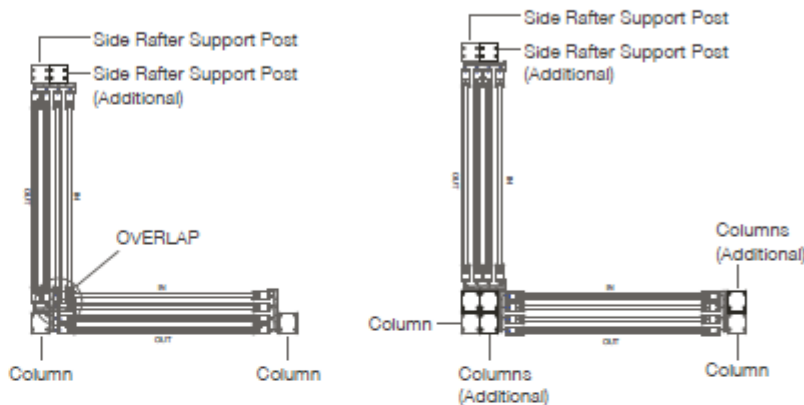
TOP VIEW

TOP VIEW

TOP VIEW

4 Rails

Gutter : 120mm
Column : 95x80 mm
Side Rafter : 75x80 mm

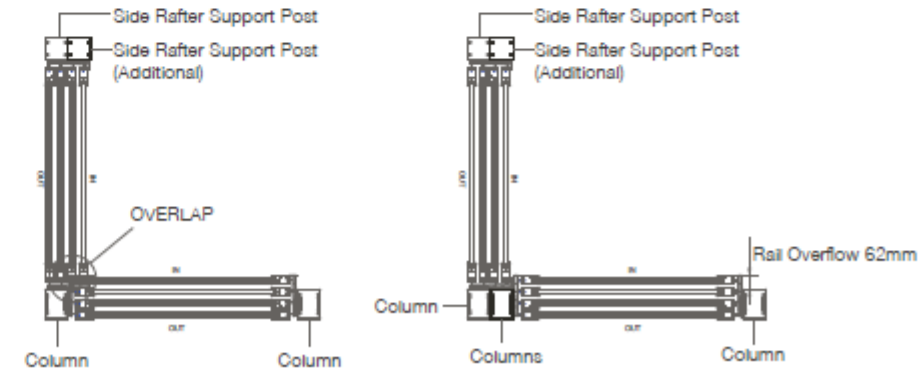


TOP VIEW

TOP VIEW

4 Rails

Gutter : 163mm
Column : 100x130 mm
Side Rafter : 95x100 mm

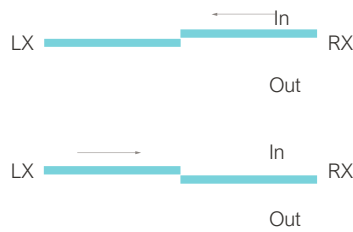
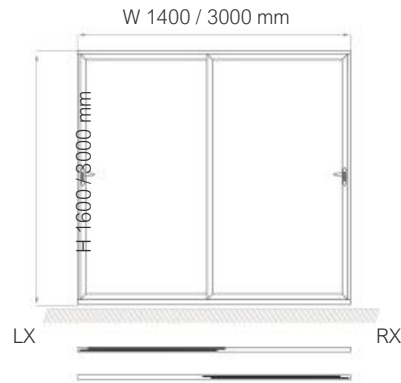


TOP VIEW

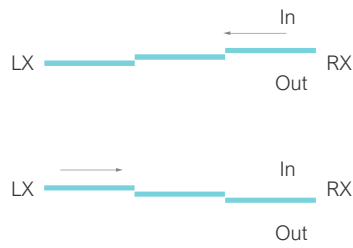
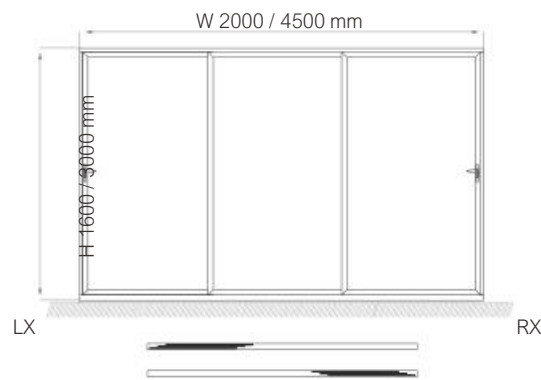
TOP VIEW

Single Slide

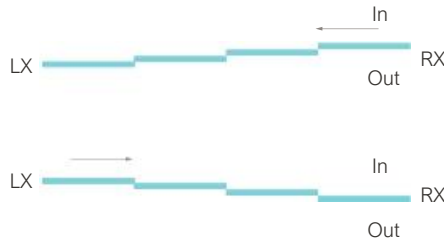
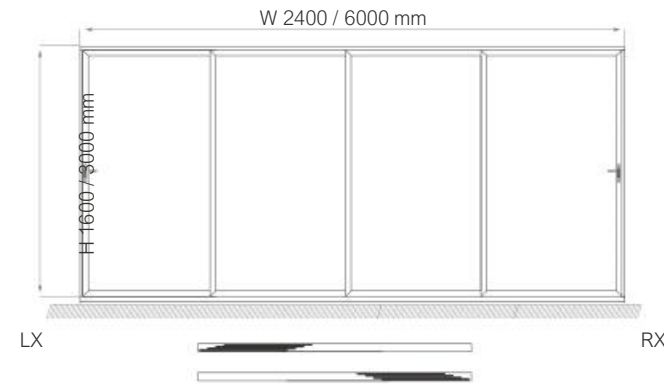
2 Rails 2 Panels



3 Rails 3 Panels

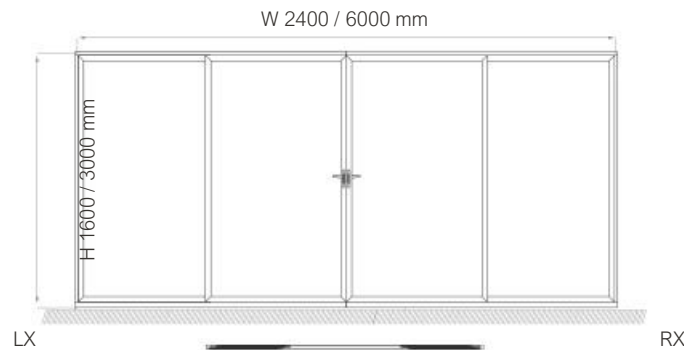


4 Rails 4 Panels

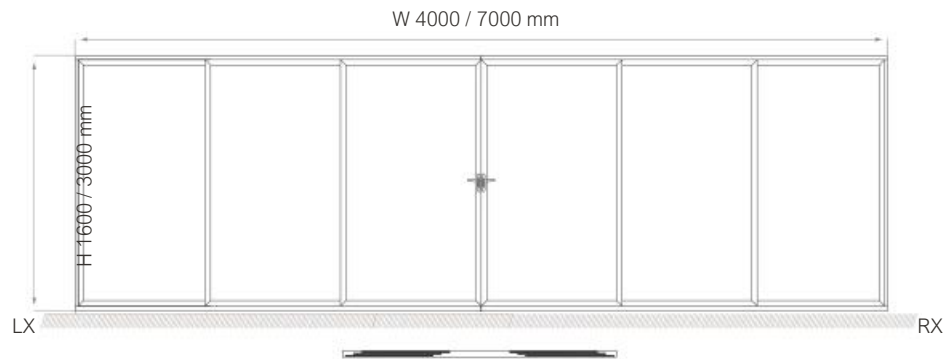


Double Slide

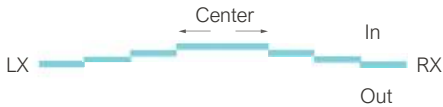
2 Rails 4 Panels



3 Rails 6 Panels



4 Rails 8 Panels



Company Name:
Order Reference:

Order Date:

QUANTITY: pc

DIMENSIONS

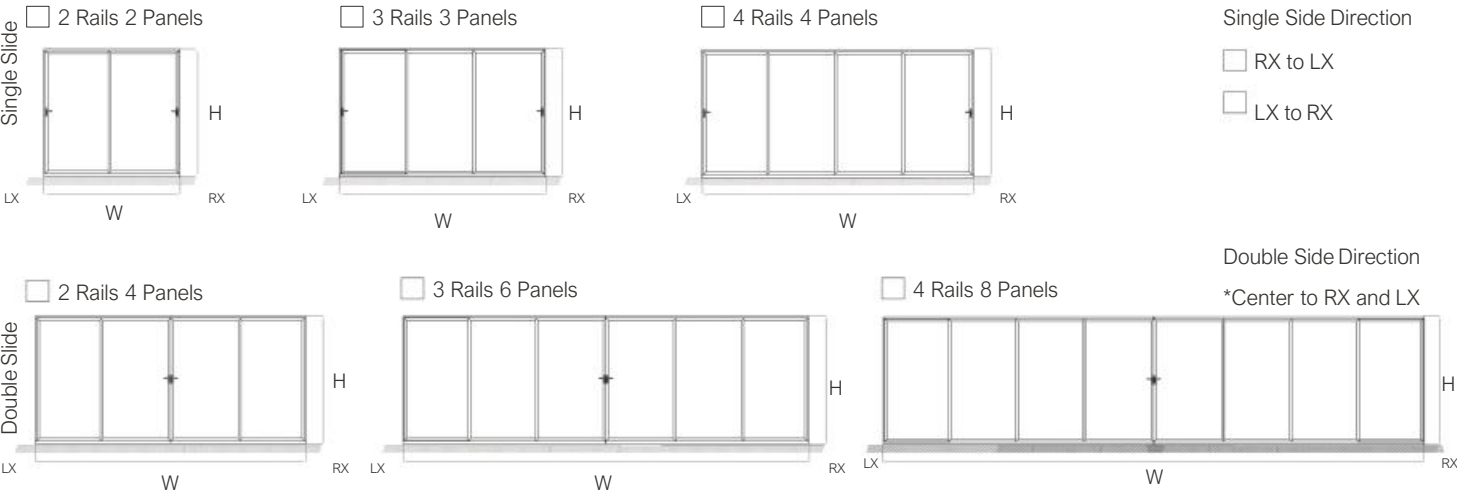
W - Width :.....mm
H - Height :.....mm

GLASS OPTION

☐ With Glass
☐ Without Glass

* Glass is 6+12+6MM

PANEL TYPES



POWDER-COAT COLORS

RAL colors

Exclusive colors

Texture colors

☐ Other ...

☐ 9016
☐ 1013
☐ 9006
☐ 7006
☐ 7016
☐ 9005

☐ OGN35
☐ OS561
☐ OY395
☐ OGN39
☐ ON617
☐ ON611

☐ ST9010
☐ ST9001
☐ ST1013
☐ ST7039
☐ ST7016
☐ ST8019

GLASS COLORS

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

HANDLE COLORS

☐ Natural
☐ Metallic
☐ Black

(Anodising brushed)

HANDLE POSITION



H:.....cm

*Standard height value is 110 cm.

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details

Glazing	6+12+6 mm insulated double glass
Slide Options	2,3 or 4 panels single slide 4,6 or 8 panels double slide
Max. width for single slide	6000 mm
Max. width for double slide	7000 mm
Max. height	3000 mm
Max. load capacity per panels	240 kg
System depth	Frame 81 mm Sash 38 mm
Surface finish	Electrostatic powder-coating
Control system	Manual

Inner handle with click lock	included
Inner handle with hidden lock	included
Outer handle	included

SLIDE

Give modern appeal and depth to spaces...

Slide 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.

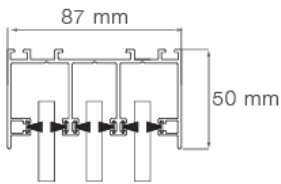
The bottom wheel carriages ensure optimum and smooth running of the individual sliding panels. Height compensation of the ceiling rail up to 20 mm and height adjustment of the rollers up to 5 mm allows the sliding system to compensate for potential subsidence in the eaves or a lintel easily.

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.

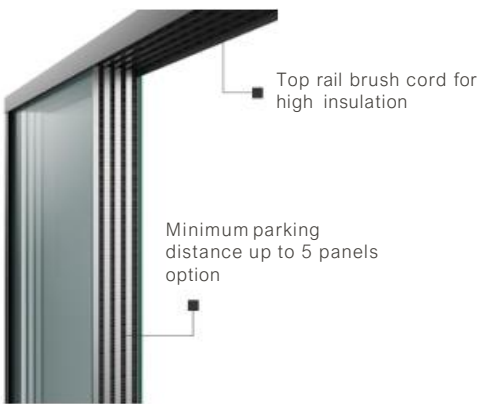
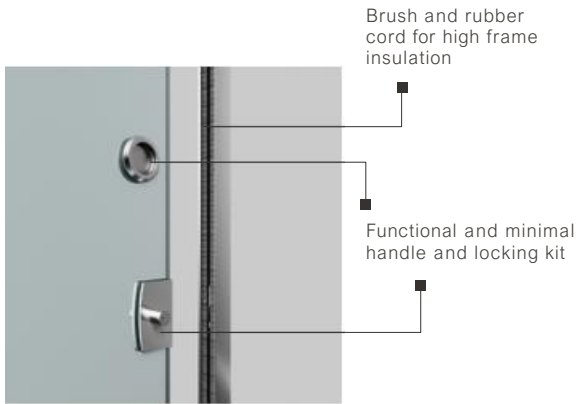
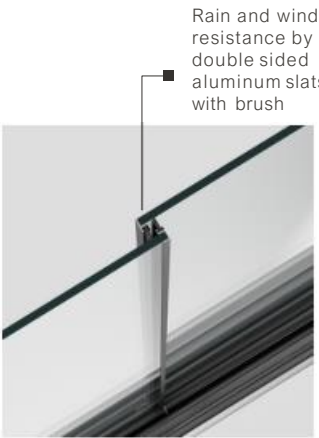
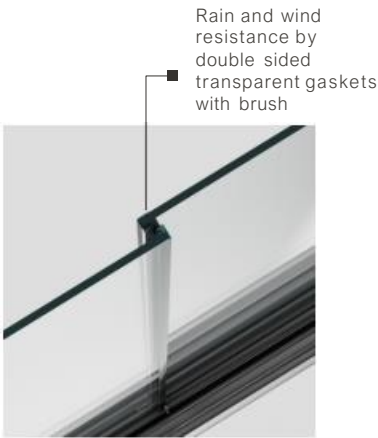
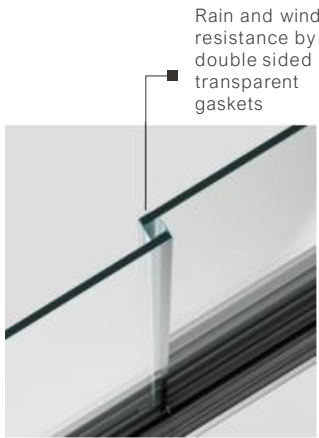
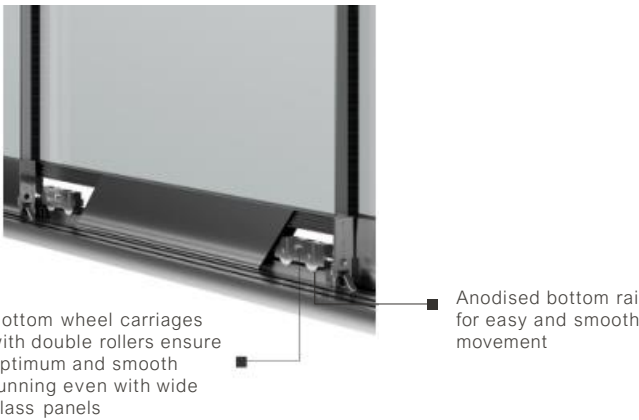
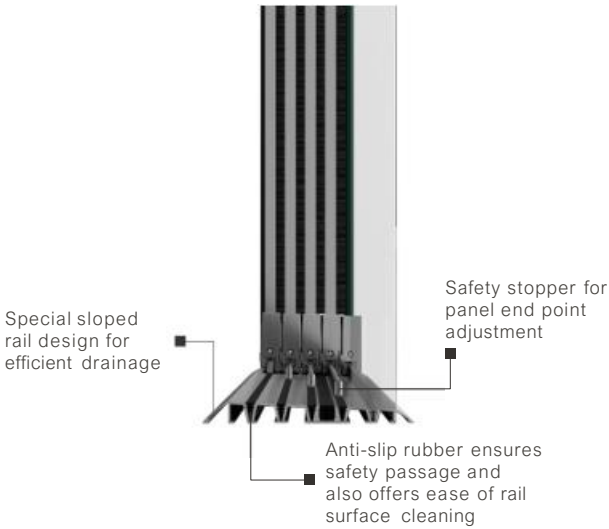
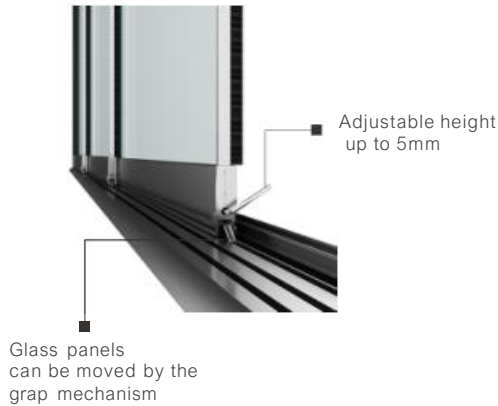
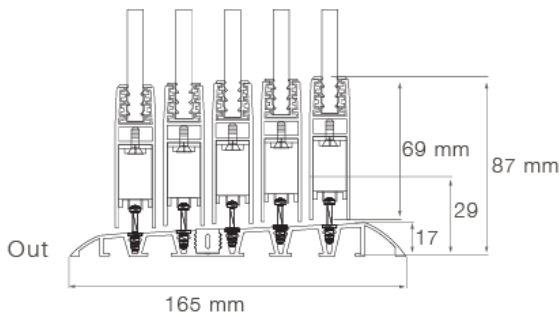
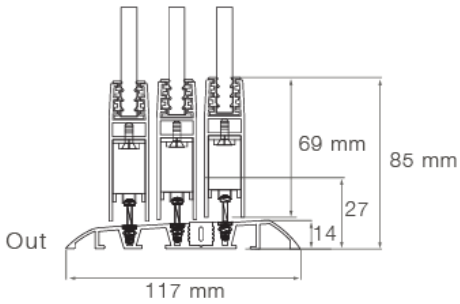
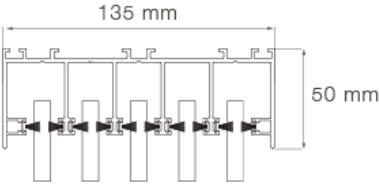


Section Details

3 Rails

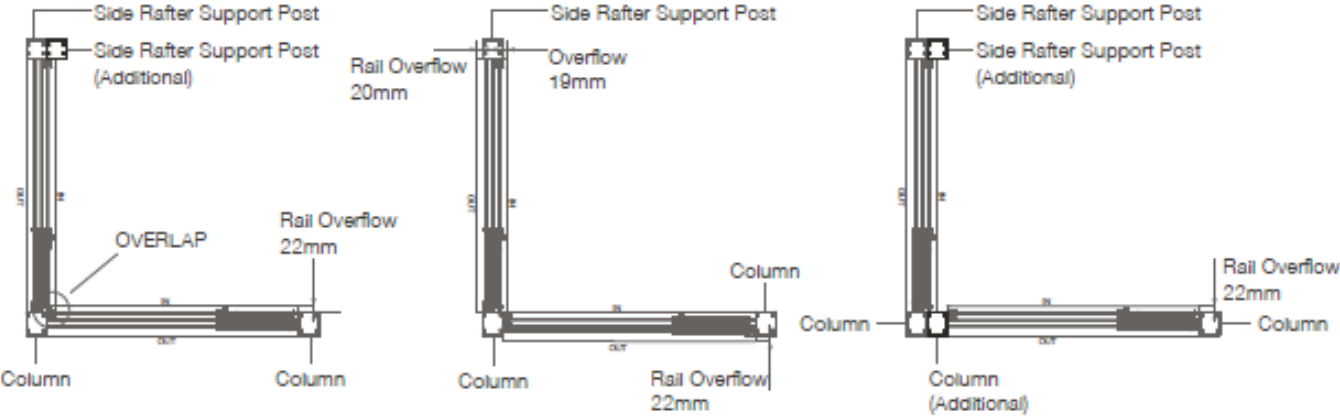


5 Rails



Overlap

3 Rails
Gutter : 120mm
Column : 95x80 mm
Side rafter: 75x80 mm

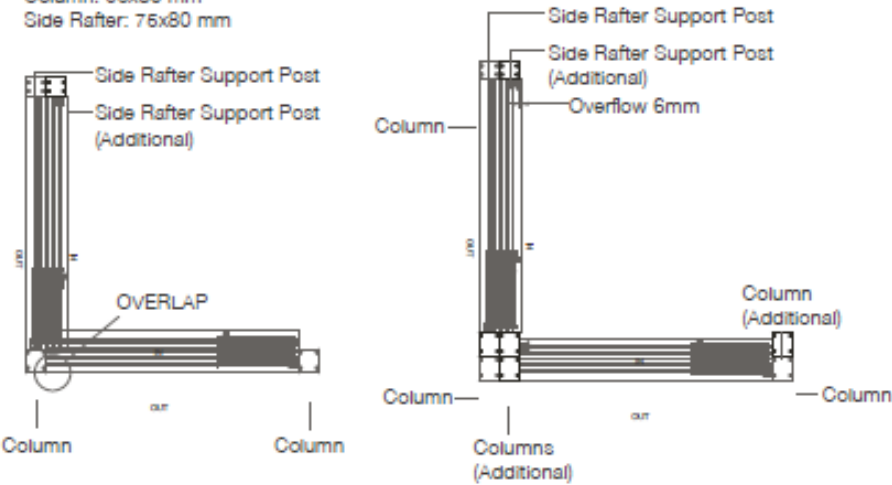


TOP VIEW

TOP VIEW

TOP VIEW

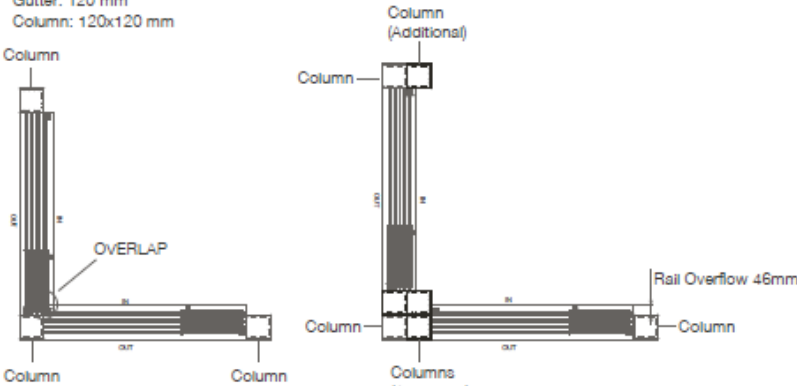
5 Rails
Gutter: 120 mm
Column: 95x80 mm
Side Rafter: 75x80 mm



TOP VIEW

TOP VIEW

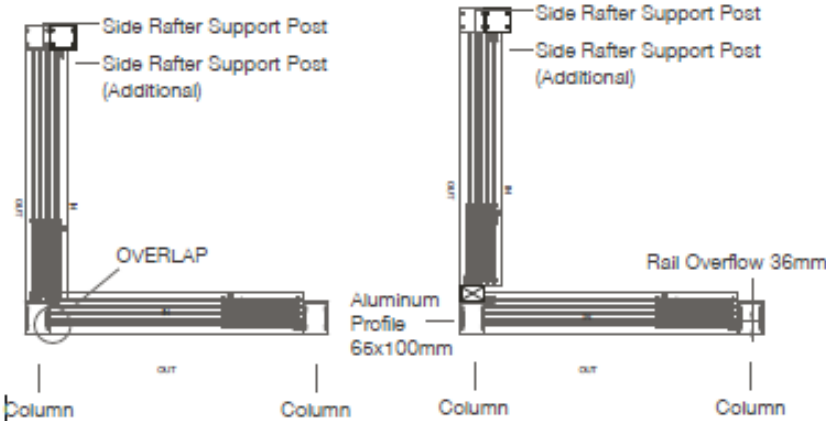
6 Rails
Gutter: 120 mm
Column: 120x120 mm



TOP VIEW

TOP VIEW

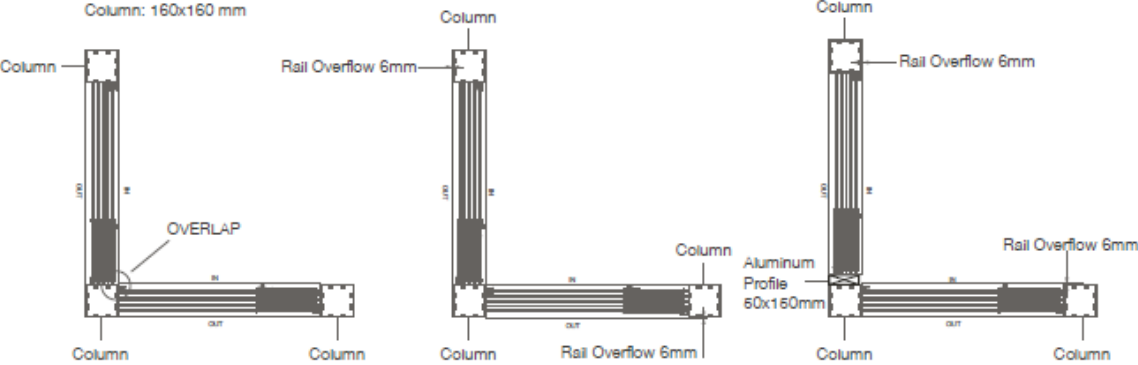
5 Rails
Gutter: 163 mm
Column: 100x130 mm
Side Rafter : 95x100 mm



TOP VIEW

TOP VIEW

6 Rails
Gutter: 160 mm
Column: 160x160 mm



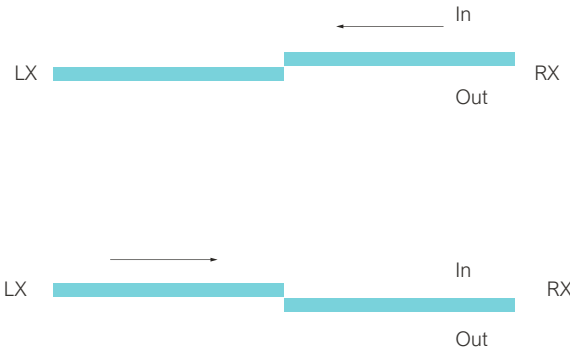
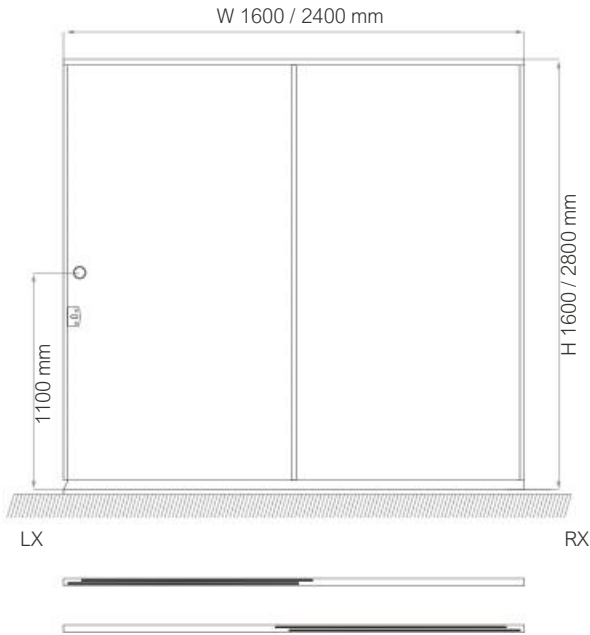
TOP VIEW

TOP VIEW

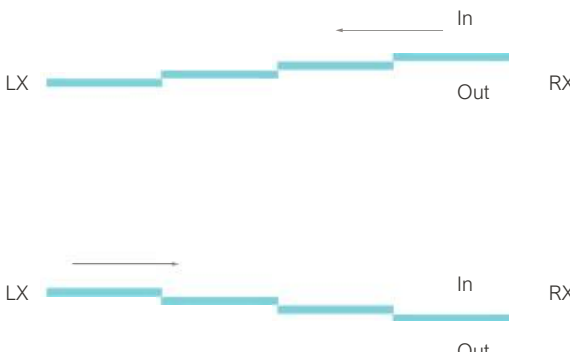
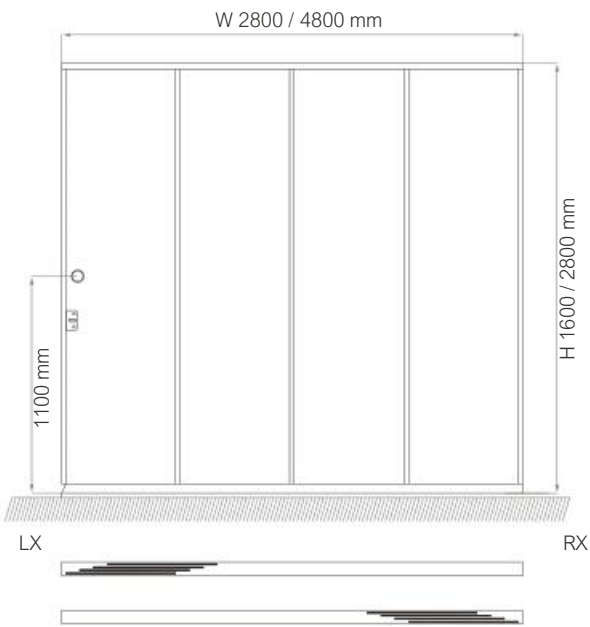
TOP VIEW

Slide Direction - Single Side

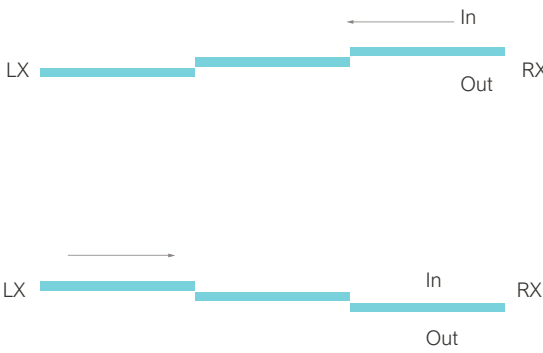
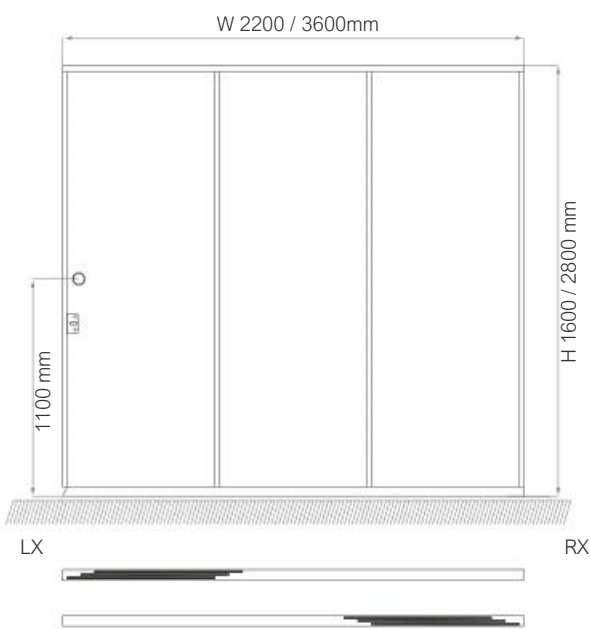
3 Rails 2 Panels



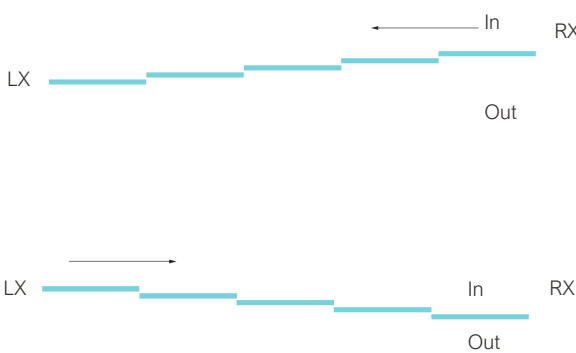
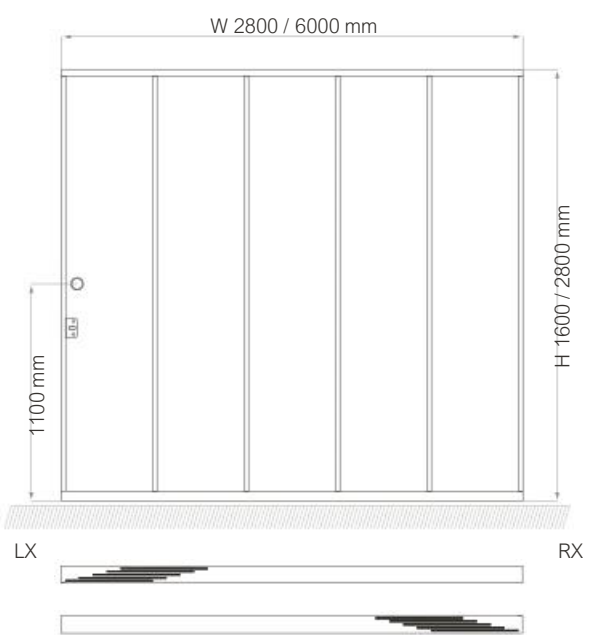
5 Rails 4 Panels



3 Rails 3 Panels

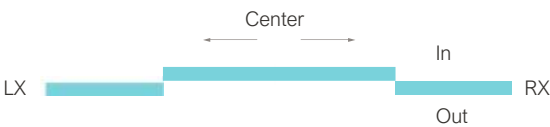
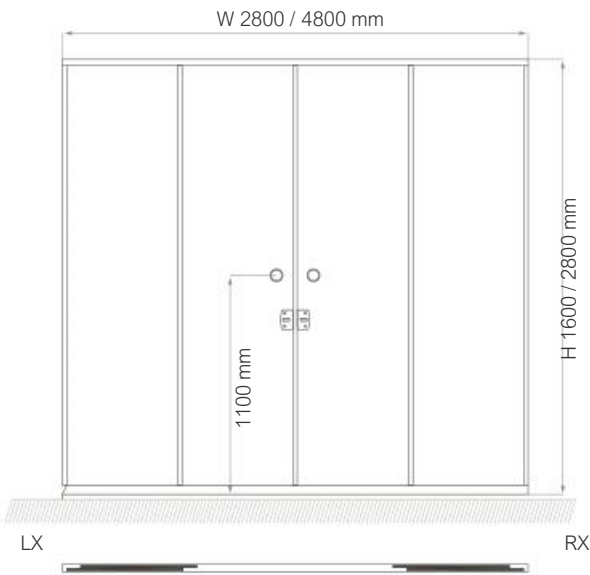


5 Rails 5 Panels

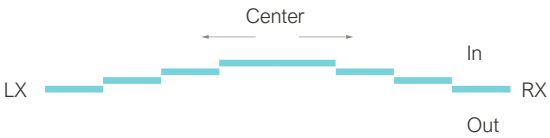
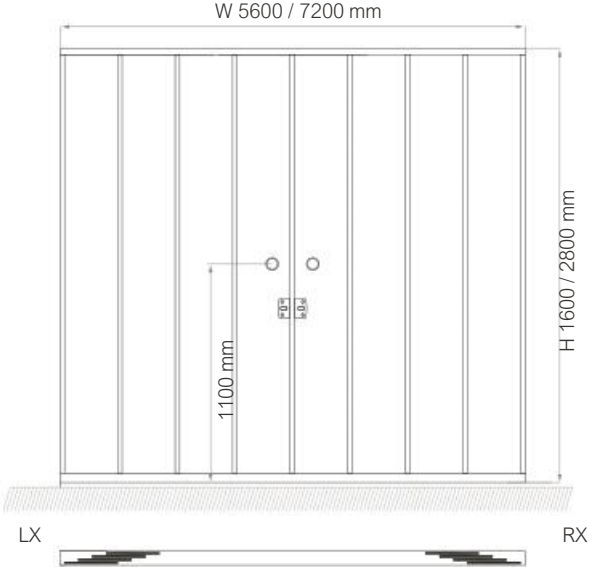


Slide Direction - Double Side

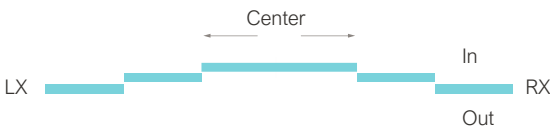
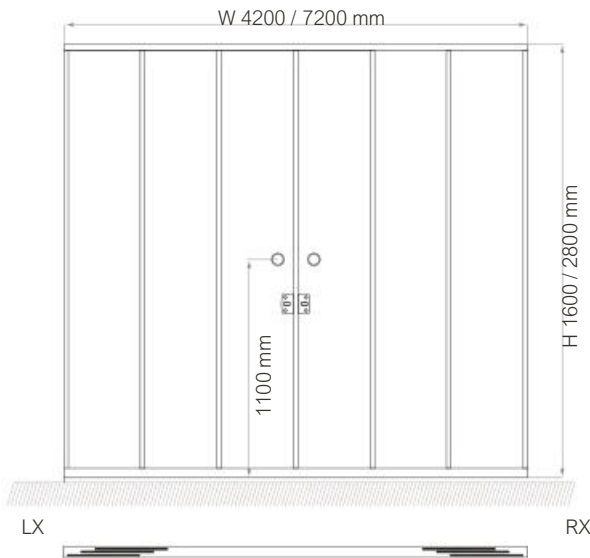
3 Rails 4 Panels



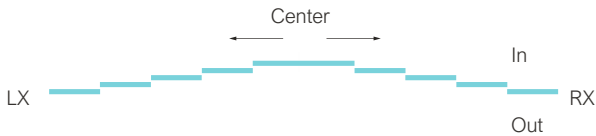
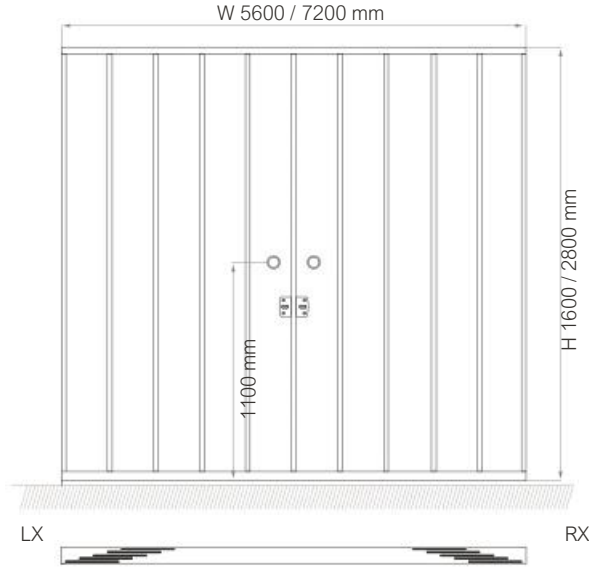
5 Rails 8 Panels

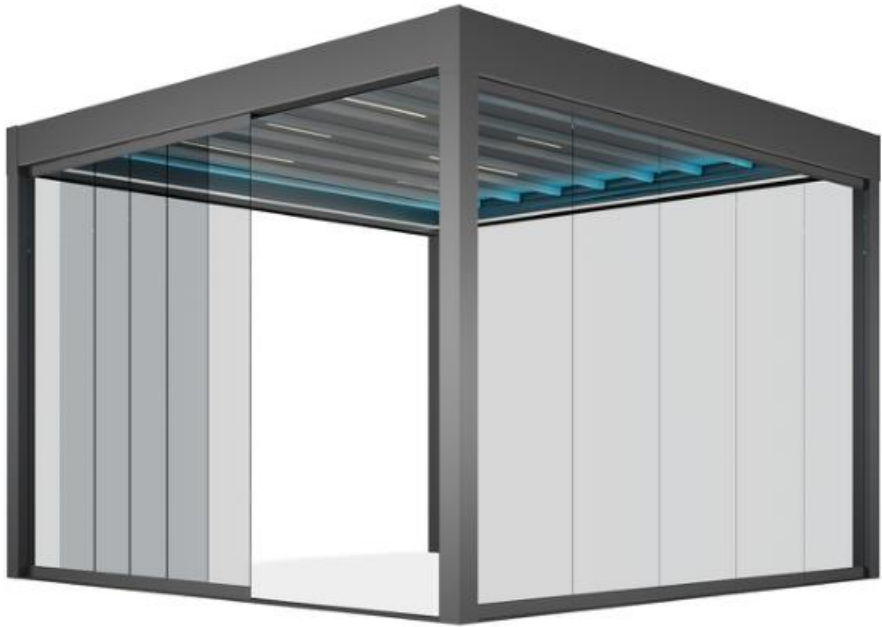


3 Rails 6 Panels



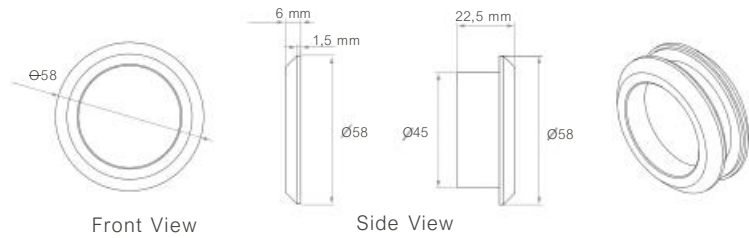
5 Rails 10 Panels



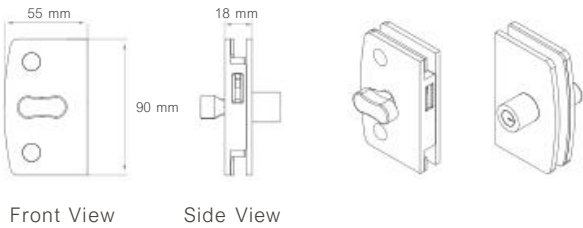


Single Glass Handle Types

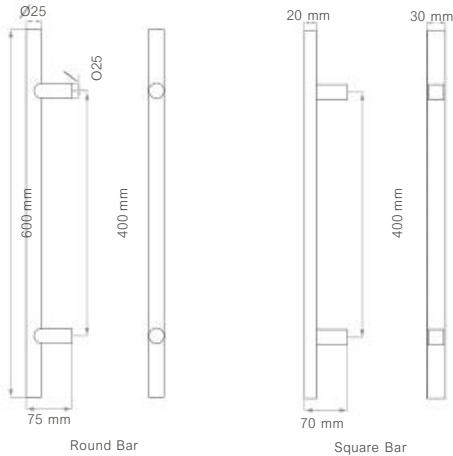
Flush Circle Handle



Sliding Glass Lock Types



Push & Pull Bar



Company Name:
Order Reference:

Order Date:

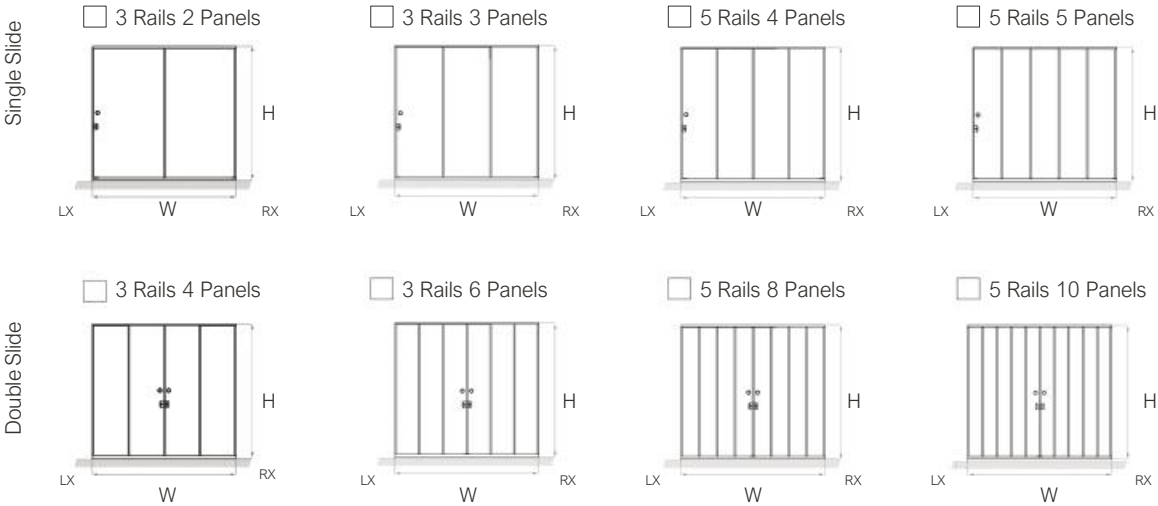
DIMENSIONS

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

GLASS OPTION

- ☐ With Glass
☐ Without Glass
* Glass is 8MM

PANEL TYPES



SLIDE DIRECTIONS

- Single Side
☐ RX to LX
☐ LX to RX
- 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

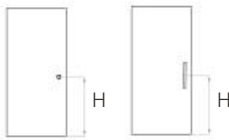
PANEL INSULATION TYPE

- ☐ 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



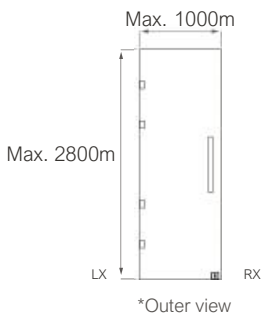
H:.....cm
*Standard height value is 110 cm.

Technical Details

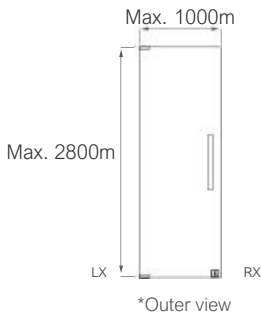


Glazing	8 mm tempered single glass
Slide Options	2,3 or 4 panels single slide 4,6,8 or 10 panels double slide
Max. width for single slide	6000 mm
Max. width for double slide	7200 mm
Max. height	2800 mm
Max. load capacity per panels	80 kg
Surface finish	Electrostatic powder-coating
Control system	Manual
Flush circle handle or push&pull bar	included
Lock	included

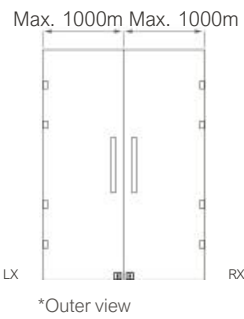
Glass Door



Single Slide (Hinged)



Single Slide (Hydraulic)

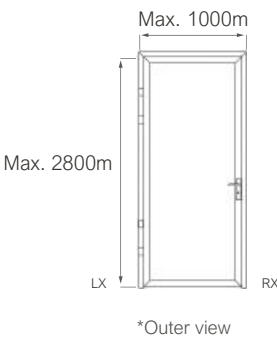


Double Slide (Hinged)

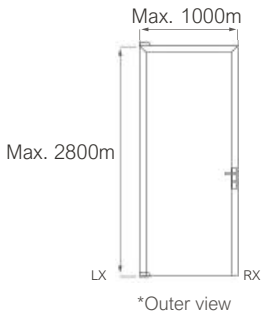


Double Slide (Hydraulic)

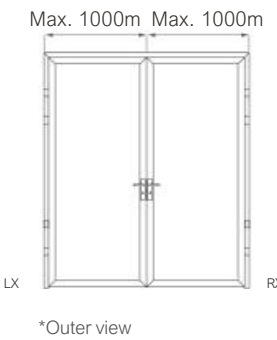
Frame Door



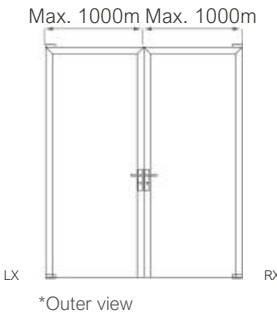
Single Slide (Hinged)



Single Slide (Hydraulic)



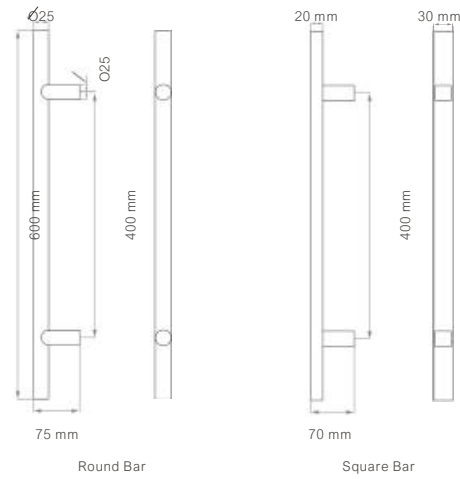
Double Slide (Hinged)



Double Slide (Hydraulic)

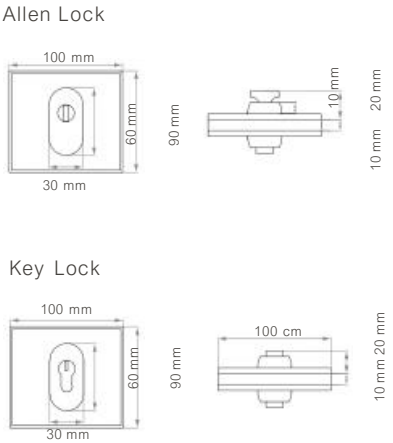
Sliding Glass Handle Types

Push & Pull Bar

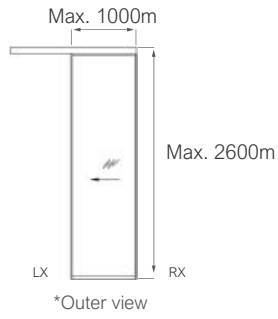


Sliding Glass Lock Types

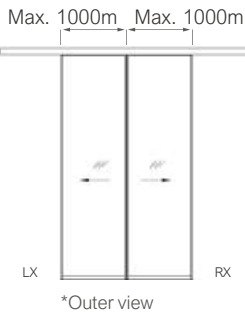
Square Floor Installed



Photocell Door



Single Slide



Double Slide

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

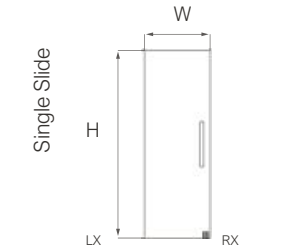
Company Name:
Order Reference:

Order Date:
Quantity:

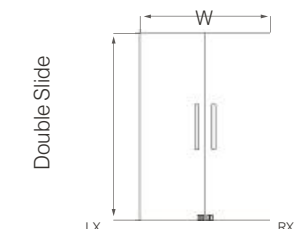
DOOR TYPE	DIMENSIONS	GLASS TYPE
<input type="checkbox"/> Single Panel	W - Width :.....mm	*Single Glass (10mm)
<input type="checkbox"/> Double Panel	H - Height :.....mm	

PANEL TYPES

Single Slide



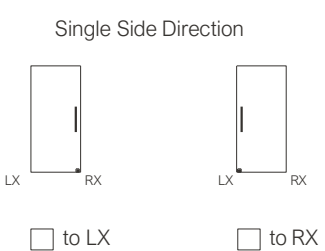
Double Slide



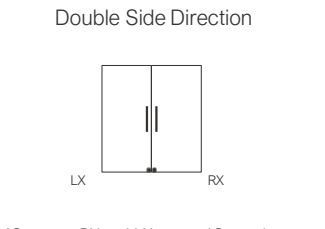
*Outer view

SLIDE DIRECTIONS

Single Side Direction



Double Side Direction



*Center to RX and LX *Outer view

POWDER-COAT COLORS

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

☐ 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

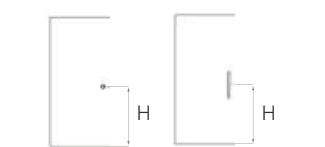
☐ GN44 / Green

☐ 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

☐ Single Panel
☐ Double Panel

DIMENSIONS

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

GLASS TYPES

*Double Glass (4+11+4 mm)

DOOR TYPE

☐ Single Panel
☐ Double Panel

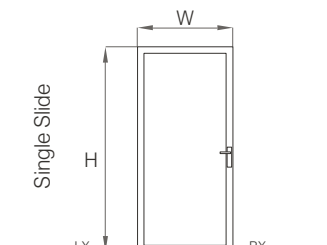
DIMENSIONS

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

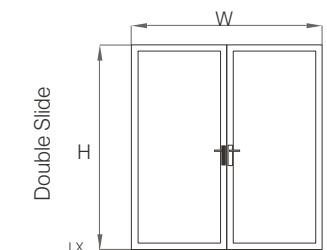
GLASS TYPES

*Laminated Glass (4+4 mm)

Single Side

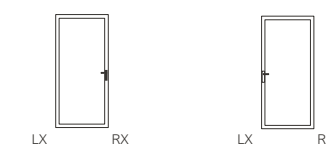


Double Side

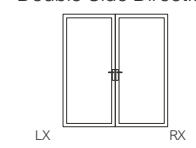


OPENING DIRECTIONS

Single Side Direction


☐ to LX ☐ to RX

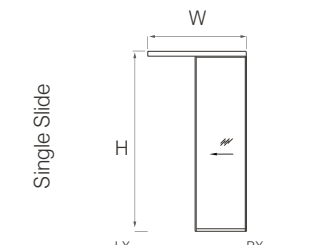
Double Side Direction


*Center to RX and LX *Outer view

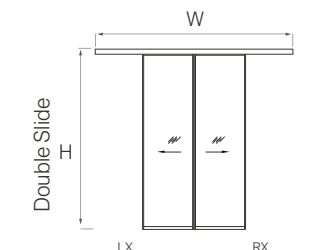
SELF CLOSING

☐ Without Closing Mechanism
☐ With Closing Mechanism
☐ In ☐ Out

Single Side



Double Side



SLIDE DIRECTIONS

Single Side Direction

☐ RX to LX
☐ LX to LX

Double Side Direction

*Center to RX and LX

*Outer view

POWDER-COAT COLORS

RAL colors

Exclusive colors

Texture colors

☐ 9016
☐ 1013
☐ 9006
☐ 7006
☐ 7016
☐ 9005

☐ OGN35
☐ OS561
☐ OY395
☐ OGN39
☐ ON617
☐ ON611

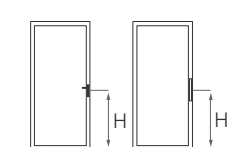
☐ ST9010
☐ ST9001
☐ ST1013
☐ ST7039
☐ ST7016
☐ ST8019

☐ Other ...

HANDLE - LOCK TYPE

☐ Pull Handle / Lock
☐ Handle Without Lock
☐ Handle With Key Lock
☐ Handle With Allen Lock
☐ Push & Pull Bar
☐ Round Bar
☐ Square Bar

HANDLE POSITION


H:.....cm
*Standard height value is 110 cm.

GLASS COLORS

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

POWDER-COAT COLORS

RAL colors

Exclusive colors

Texture colors

☐ 9016
☐ 1013
☐ 9006
☐ 7006
☐ 7016
☐ 9005

☐ OGN35
☐ OS561
☐ OY395
☐ OGN39
☐ ON617
☐ ON611

☐ ST9010
☐ ST9001
☐ ST1013
☐ ST7039
☐ ST7016
☐ ST8019

☐ Other ...

CONTROL TYPE

☐ Double Sided Transition
☐ One Side Button
☐ Double Side Button

GLASS COLORS

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

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

*Price will be determined according to project details.

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

*Price will be determined according to project details.



VERTIFLEX ZIP SYSTEM

Aesthetical privacy with hi-tech functions...

New Series Vertiflex Zip Screens are designed to represent solutions of aesthetic appeal and contemporary complement with its unique fabric guide technology concealed within the side channels.

Vertiflex 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 Drelux systems with an extensive range of frame and fabric colour options.

Minimal slimline design of Vertiflex 95 fits in Eva model perfectly. Vertiflex 130 serie is ideal solution for Drelux Standard LT & XL models. Vertiflex 150 is developed to function in a complementary manner with Private models.

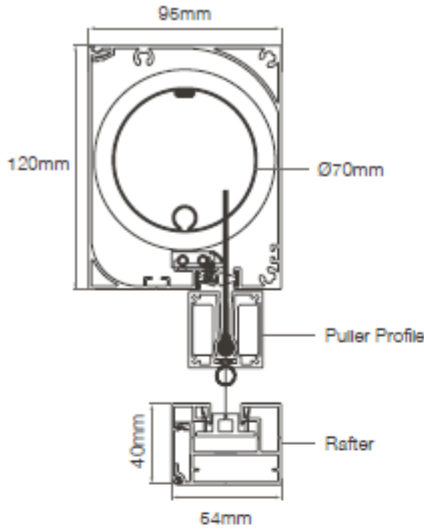
This extensive serie is redefined the simple design for minimal look characterised by architectural demands. The zip external blinds are engineered for ease of installation, flexible application and long durability.

Furthermore the patented locking mechanism secures the fabric in the lower position which ensures even tension on fabric and fully hidden motorisation system allows ultimate control of your living space with a single touch.

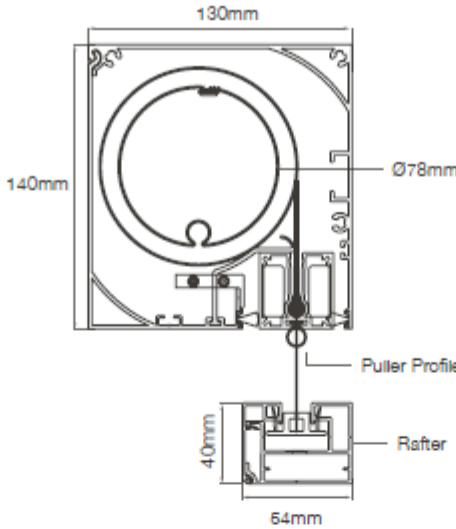
Thanks to large range of fabric options system provides maximum protection against solar radiation and penetration of heat while preserving the optimal level of natural light in the interior and contact with environment. The production technology of fabrics ensures a high resistance to external influences such as wind or changes in temperature and humidity.

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.

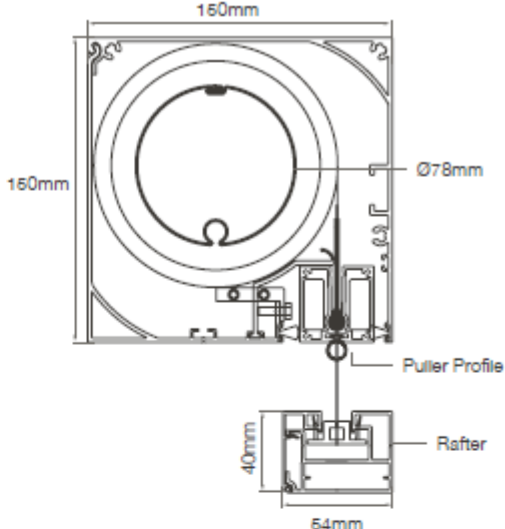
Vertiflex 95



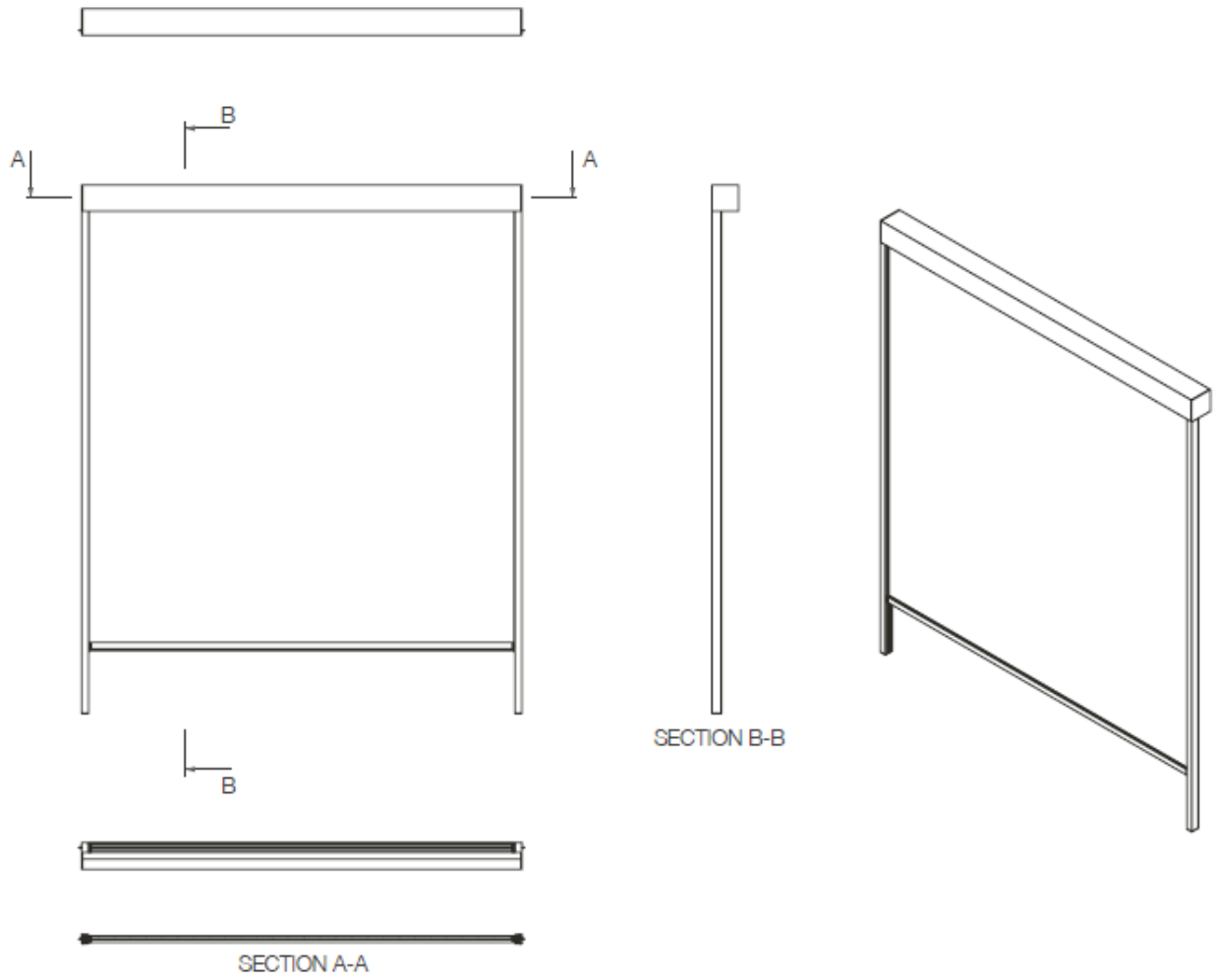
Vertiflex 130



Vertiflex 150

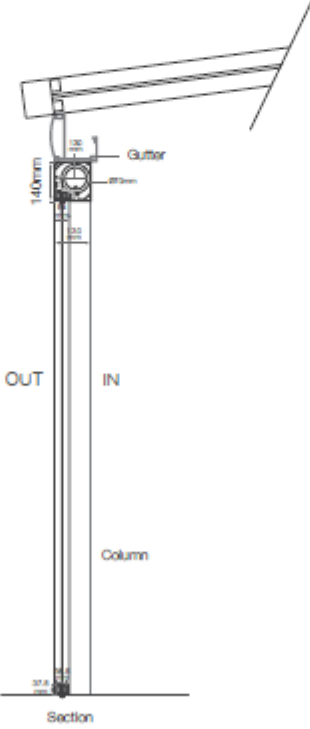


Section Details



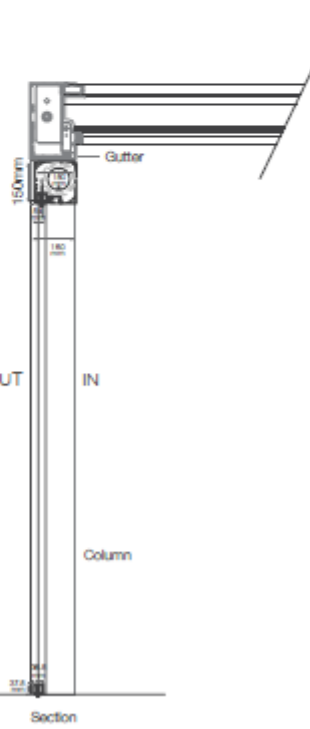
Gutter : 120mm
Column : 80x95mm

Vertiflex 95 & Eva



Gutter : 160mm
Column : 100x130mm

Vertiflex 130 & Lt/XL Models

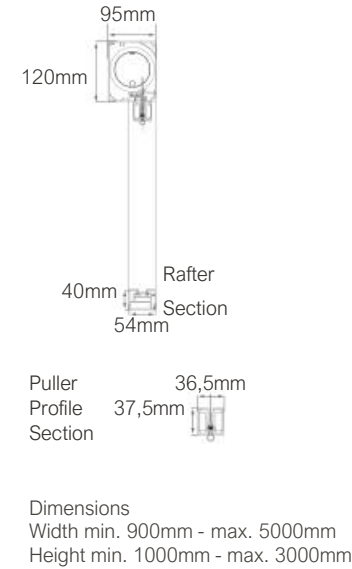
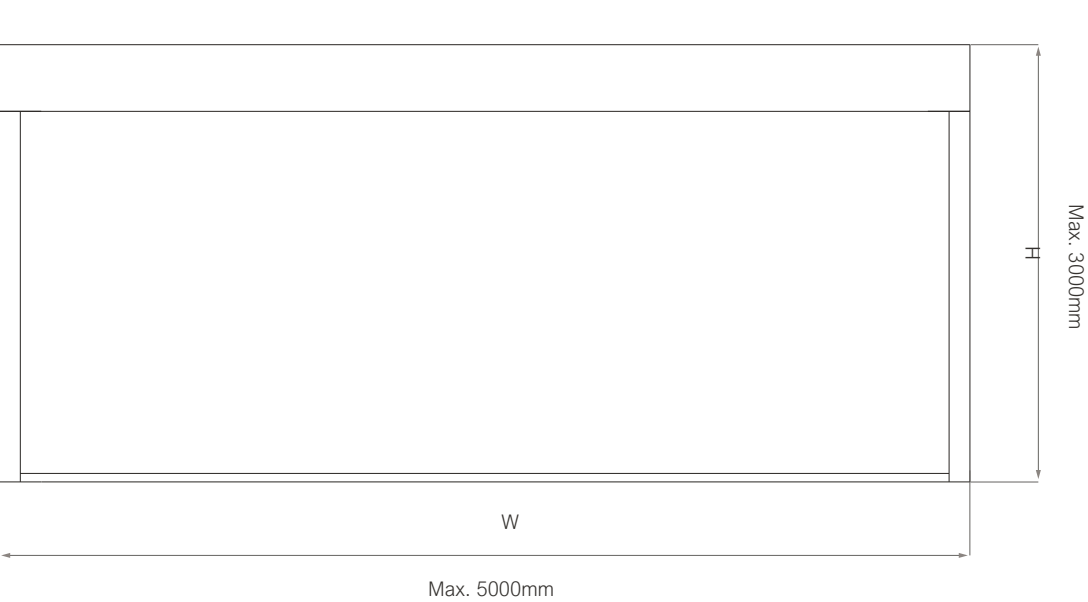
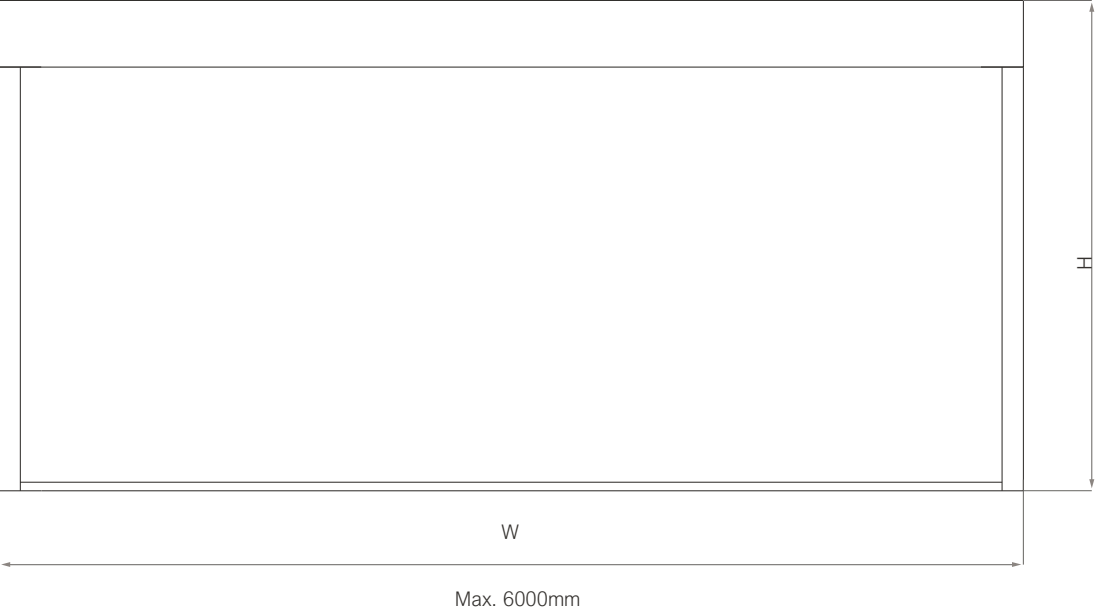
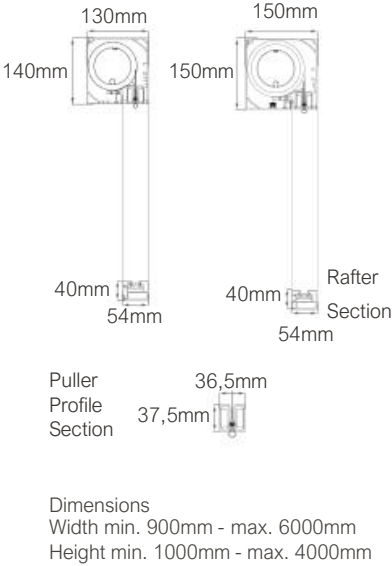


Gutter : 160mm
Column : 160x160mm

Vertiflex 150 & Private

Configurations

VERTIFLEX 130 / 150



Order Form

VERTIFLEX ZIP SYSTEM

Company Name:
Order Reference:

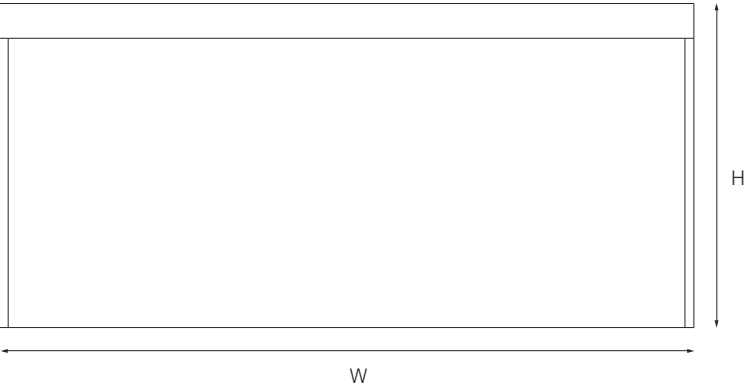
Order Date:

MODEL

- ☐ 95
☐ 130
☐ 150

DIMENSIONS

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




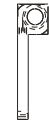
POWDER-COAT COLORS

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

- ☐ SOLTIS 86
CODE.....
☐ SOLTIS 96
CODE.....
☐ CRYSTAL
- ☐ SOLTIS W92
CODE.....
☐ SOLTIS W96
CODE.....

SYSTEM POSITION

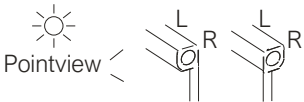
- ☐ OUT ☐ IN
- Pointview  Out  In

CABLE OUT

- ☐ TOP ☐ SIDE ☐ BOTTOM

MOTOR SIDE

- ☐ LEFT ☐ RIGHT



AUTOMATIO

☐ 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

☐ SMART CONTROL

- ☐ Situo 1 IO Pure.....pc
☐ Situo 5 IO Pure.....pc
☐ NINA IO.....pc
☐ Thamo New Box.....pc
☐ Connexoon Box.....pc

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

Technical Details



Box dimensions	Vertiflex 95 - 95x120 mm Vertiflex 130 - 130x140 mm Vertiflex 150 - 150x150 mm
Max. width for single module	Vertiflex 95 5000 mm / Vertiflex 130&150 6000 mm
Max. height for single module	Vertiflex 95 3000 mm / Vertiflex 130&150 4000 mm
Puller profile dimension	36,5x37,5 mm
Rafter profile dimension	54x40 mm
Surface finish	Electrostatic powder-coating
Motor type	220 VAC 50Hz tubular motor 20,30 or 40 NM direct drive
Control system	Switch, remote or smart control options
Automation	included
Control Unit	optional
* Fabric	Standard *Ferrari Soltis Horizon 86 Fabric
* Optional fabric types	*Ferrari Soltis Lounge 96, Perform 92, Proff W96 Fabric Crystal (Transparent) Fabric

ALUFIX

Privilege of aesthetical privacy with a stylish look

Alufix is an aluminium fixed side enclosure that adds privacy whilst enhancing visual appeal and offer a luxurious compliment to Drelux models and highlight design of any outdoor areas.

Simple and elegant lines of Alufix are compatible with the modern finishes of application areas, it will enable you to have a specific privacy by aluminium fixed wall which is perfect for seamlessly addition to Drelux's arthitectural models or any independent open spaces.

Alufix enables you to achieve complete control over shade which adds a unique amenity to your outside areas with invisible fixings.

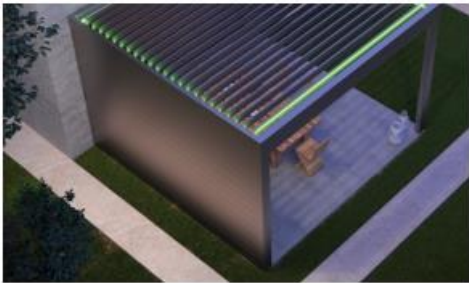
System highlights attractive aspect of the design by amplifying overall aesthetic of Drelux models with perfect combination ensures comfort and reliefement.



Technical Details



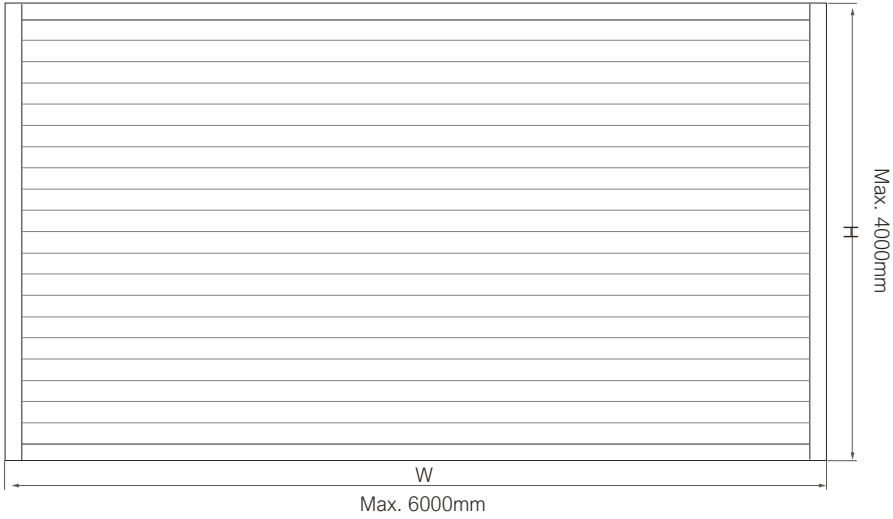
Alufix Fixed Side Enclosure
The unique designed privacy of Alufix side enclosure can be combined with Airlux bioclimatic system to optimise outdoor living areas visually.



Max. width for single module	6000 mm
Max. height for single module	4000 mm
Louvre dimension	200 mm
Louvre quantity in max. size	20 pcs

Configurations

Dimensions
Width min. 1000mm - max. 6000mm
Height min. 1000mm - max. 4000mm



Order Form

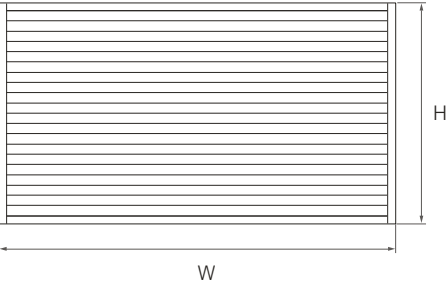
ALUFIX

Company Name:
Order Reference:

Order Date:

DIMENSIONS

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



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	

☐ ADDITIONAL NOTES & DRAWINGS ATTACHED

ALUMINUM

basic



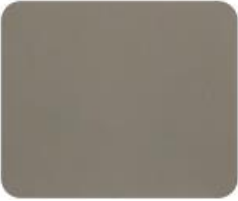
RAL 9016



RAL 1013



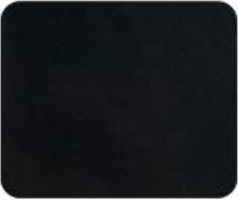
RAL 9006



RAL 7006



RAL 7016



RAL 9005

exclusive



OGN35



OS561



OY395



OGN39



ON617



ON611

texture



ST9010



ST9001



ST1013



ST7039



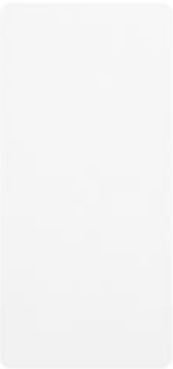
ST7016



ST8019

blackout fabric

premium



PW213/White



PC211/Cream



PG209/Grey

basic



WT785/White



CR295/Cream

matt



MW23/White



MC26/Cappuccino

FABRIC

xclusive



WTEX/White



CRMX/Cream



GRYX/Grey



BRDX/Bordeaux

matt/linear fabric led



LW22/White



LCR33/Cream



LC44/Cappuccino



LG66/Grey

fabric

semi-transparent



STRW22/White



STRB33/Black

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



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

Glass Colors



TR22 / Transparent



SM33 / Smoked



GN44 / Green



BL55 / Blue



BR66 / Bronze

The background is a solid dark gray. Three thin, white lines intersect across the frame. One line runs from the top-left towards the bottom-right. Another line runs from the top-right towards the bottom-left. A third line runs diagonally from the middle-left towards the bottom-right. These lines create a geometric pattern of triangles and quadrilaterals.

www.drelux.de