

ROTA

Innovative concept - Intelligence & elegance adding to outdoor living spaces

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

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

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

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

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





■ RGB Led-Hidden Stripe Lighting

■ Led Stripe Dimmer Lighting



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

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



Operations

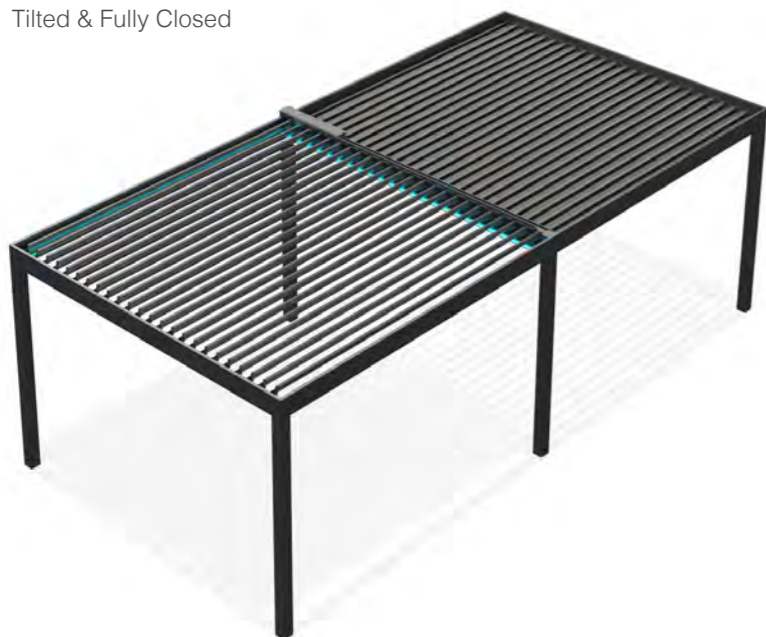
Fully Closed



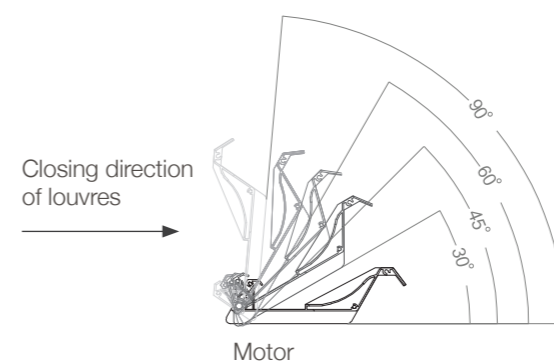
Tilted



Tilted & Fully Closed



Louvre Closing Direction



Tilting Directions

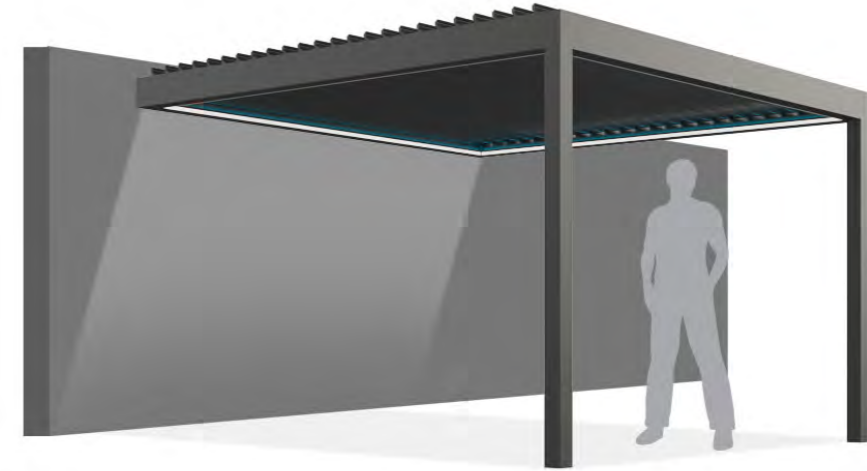




Flexible installation methods are available with wall mounting and free standing installations and they can even be served as a roof assembled to existing frameworks.



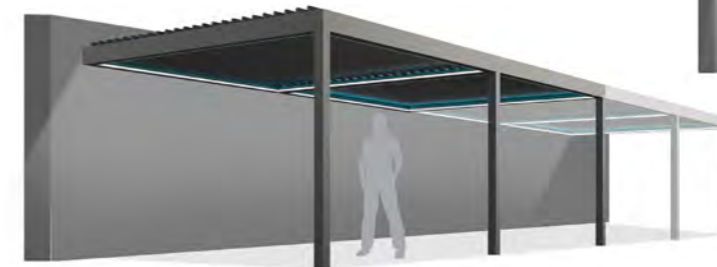
Self Standing
Single Module



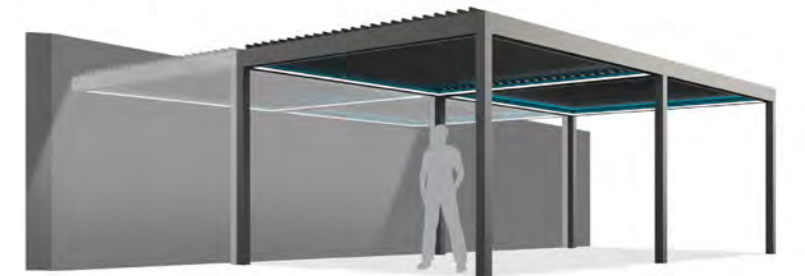
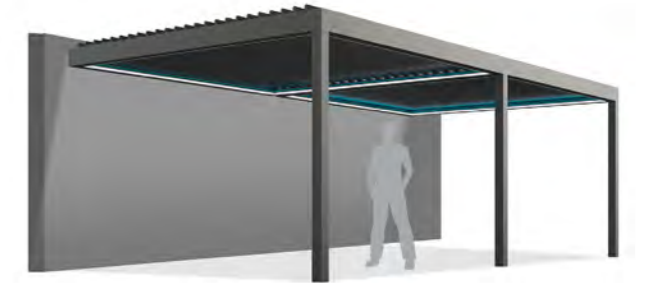
Wall Mounting
Single Module



Self Standing
Multiple Modules



Wall Mounting
Multiple Modules





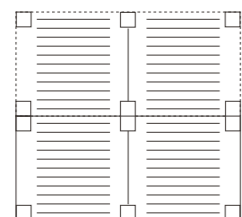
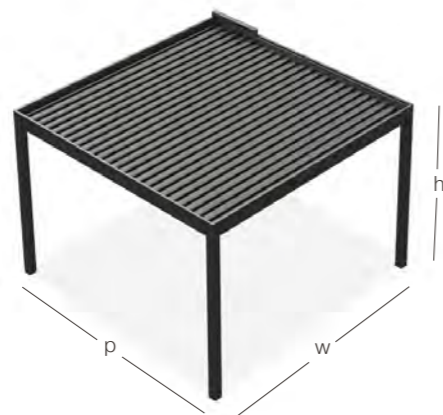
Blocked assembly for customized modules with a wide range of flexible combinations.



(w) Width
1000 mm < 4000 mm

(p) Projection
1134 mm < 6032 mm

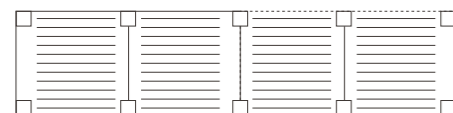
(h) Height
3000 mm



(w) Width
2000 mm < 8000 mm

(p) Projection
2268 mm < 12064 mm

(h) Height
3000 mm



(w) Width
4000 mm < 16000 mm

(p) Projection
1134 mm < 6032 mm

(h) Height
3000 mm

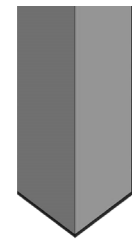


Intra-Column Drainage Pipe

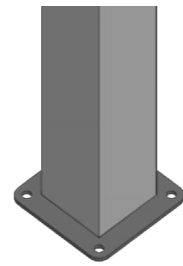
The water can be drained through internal drainage pipe and it eliminates factors that could block correct water flow. Intra-column drainage pipe collects the water and discharges to the ground.



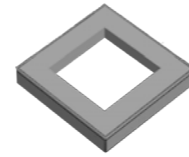
Column Base Options



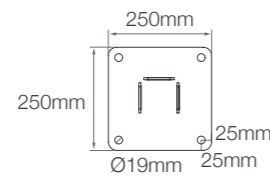
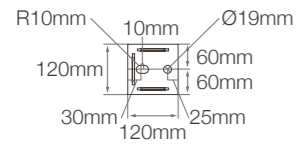
Hidden (Standard)



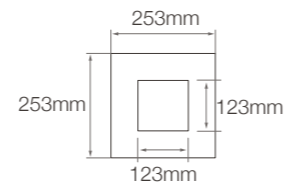
Flange



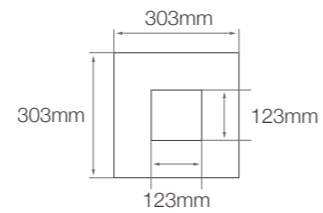
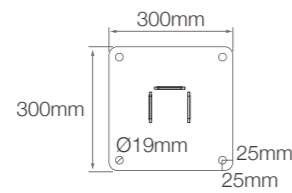
Flange Cover Cap



Thickness: 10mm



H: 25mm
Thickness: 15mm

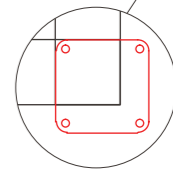
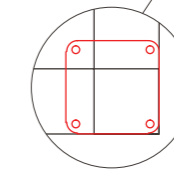
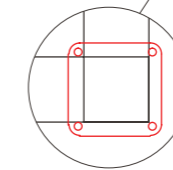
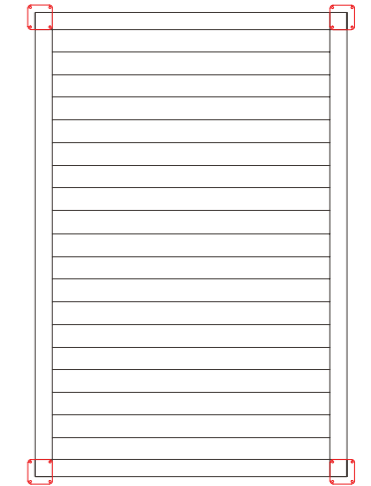
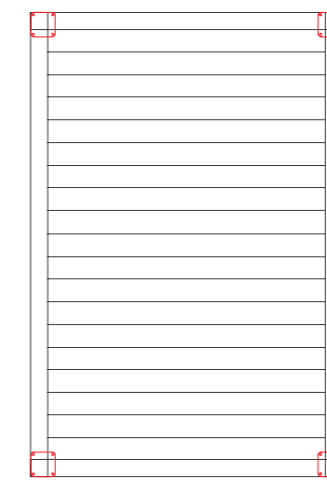
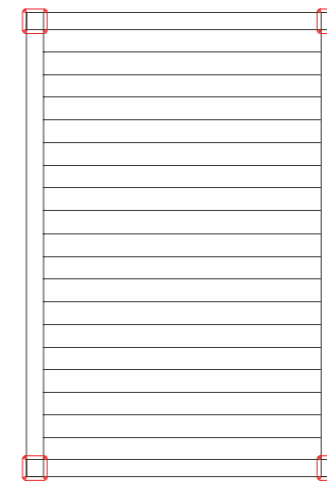


Flange Positions

TYPE A

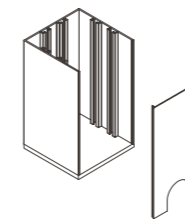
TYPE B

TYPE C

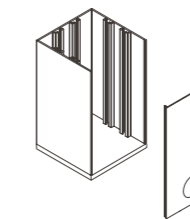


To be chosen only with flange option.

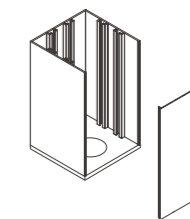
Drainage Types



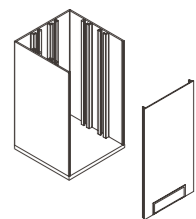
TYPE I



TYPE II



TYPE III

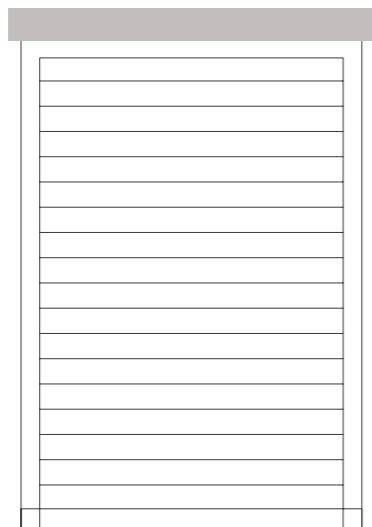


TYPE IV

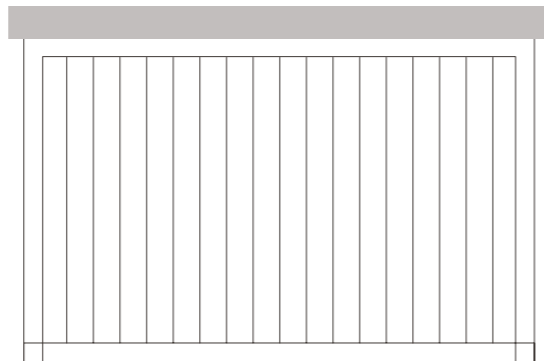


Wall Installation Louvre Positions

Parallel To Wall

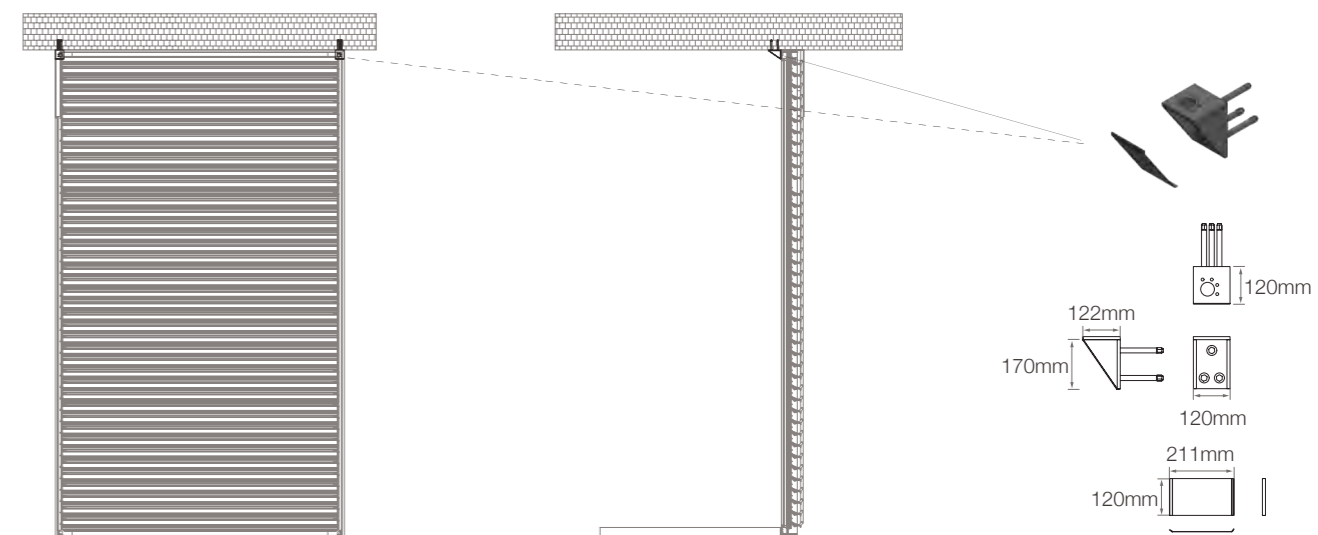


Vertical To Wall

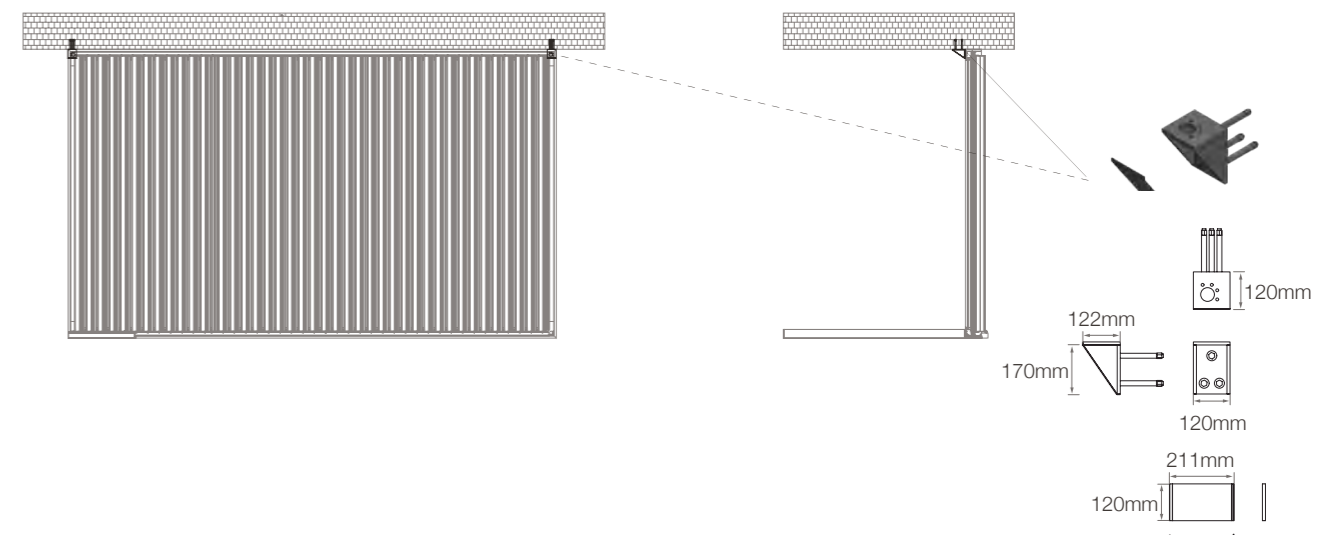


Hang Bracket Types

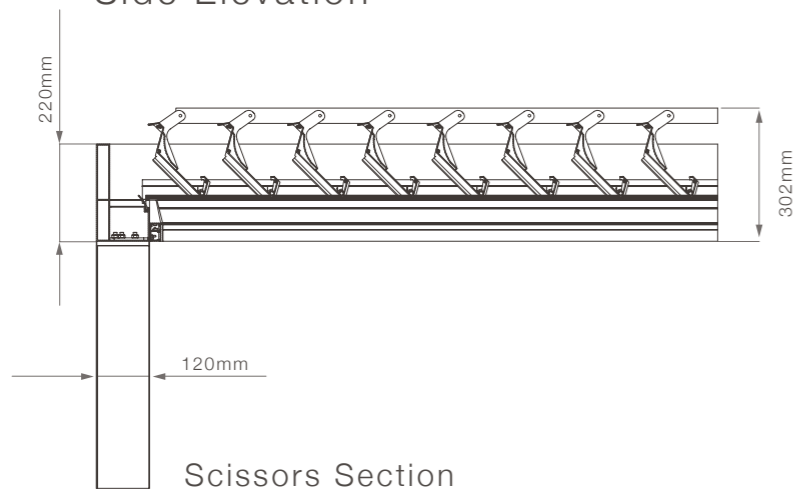
Parallel Mounting Outer Wall Bracket (Inox) With Optional Cap



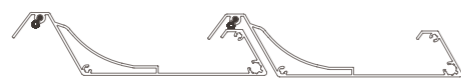
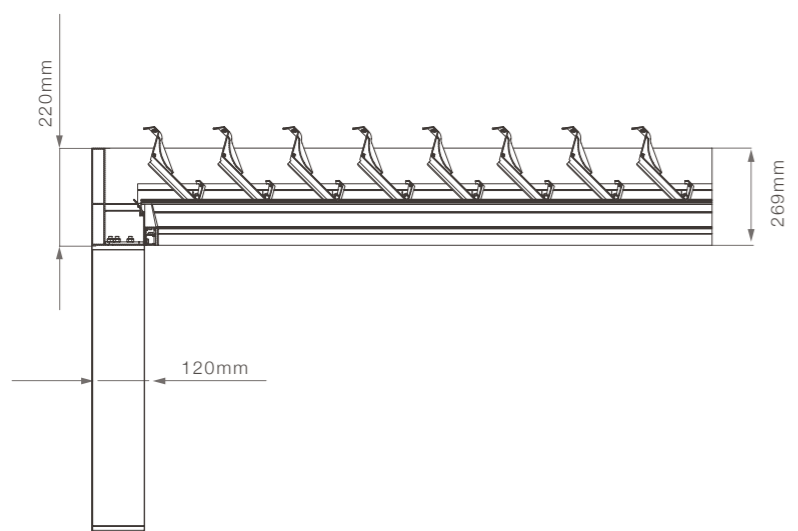
Vertical Mounting Outer Wall Bracket (Inox) With Optional Cover Cap



Side Elevation



Scissors Section



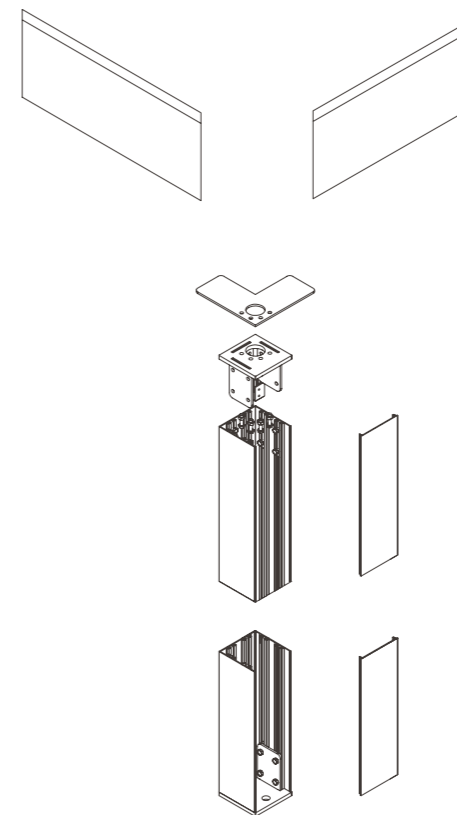
Louvre Stormguard Seal

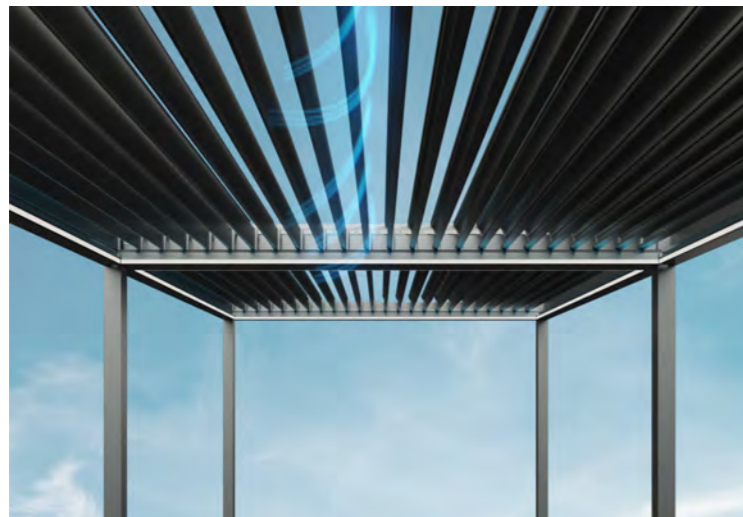
Sealing solution stops water dripping over louvre gutter channel by providing a soft cushioning barrier between point of louvre junction.

Column Connection

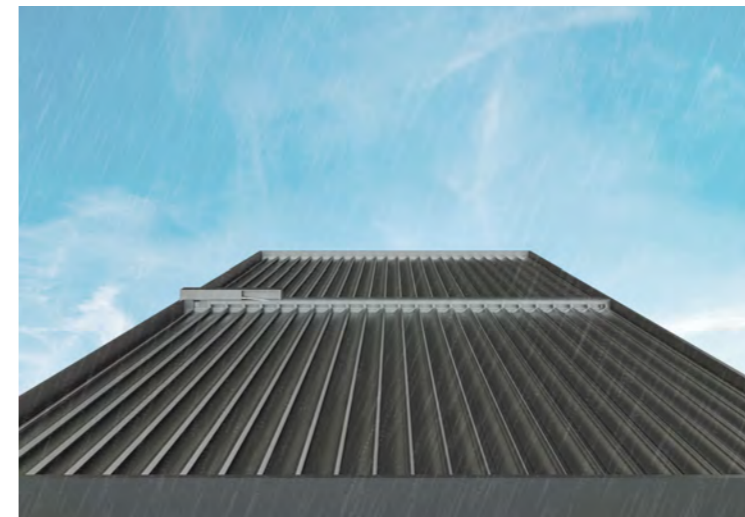
Thanks to ease of column base assembly each column can be installed practically through a series of simple operations that guarantee installation quality and speed to reduce number of staff required.

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

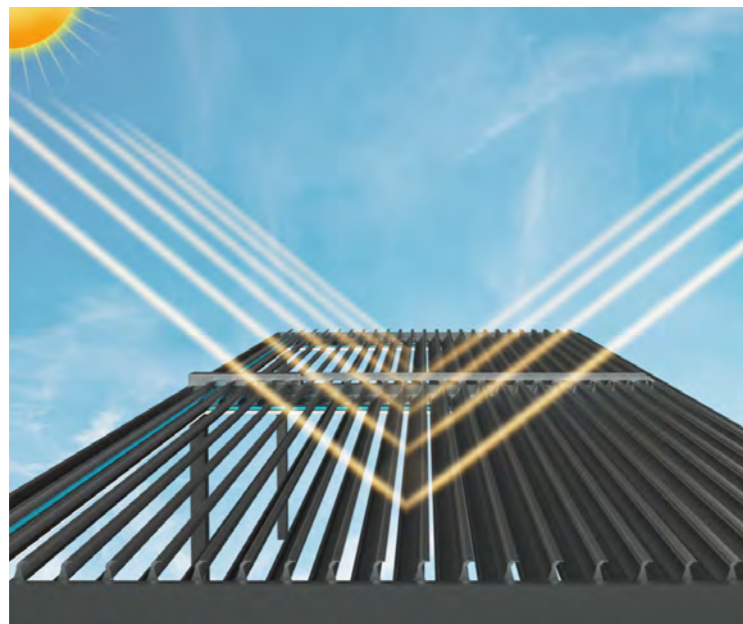




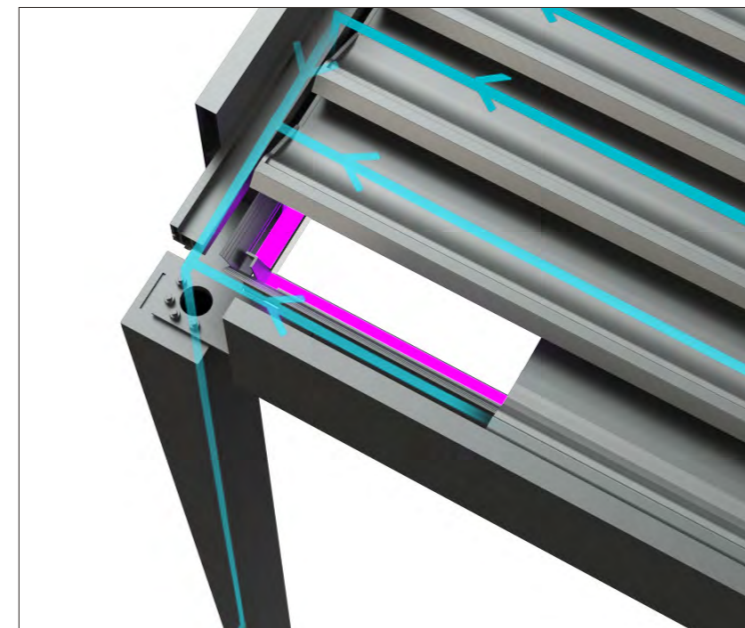
Slightly opening of louvres creates natural air flow for application areas.



Ensuring waterproof coverage when louvres are in fully closed position.



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



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



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



Closures



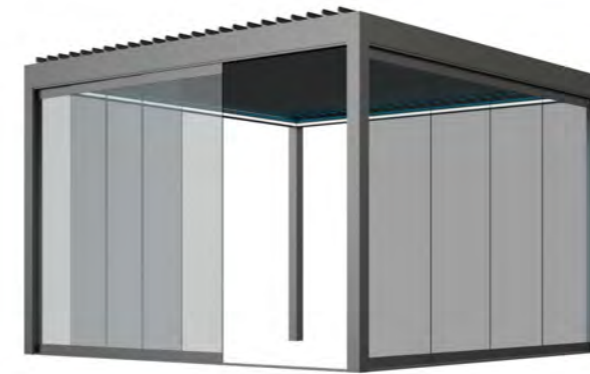
Sapphire/Cycle Guillotine Glass System
 System can be adapted to Rota system and offers a maximum clear span that provides unobstructed view & minimalistic style. The system is operated by just the touch of button.



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



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



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



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



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



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



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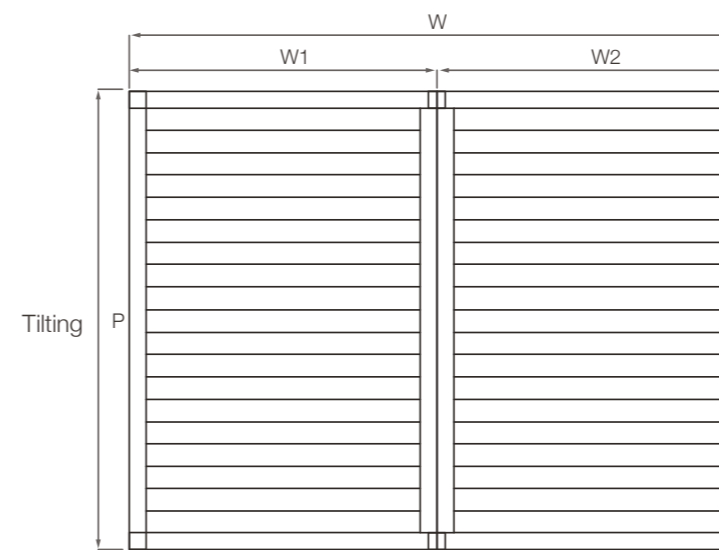
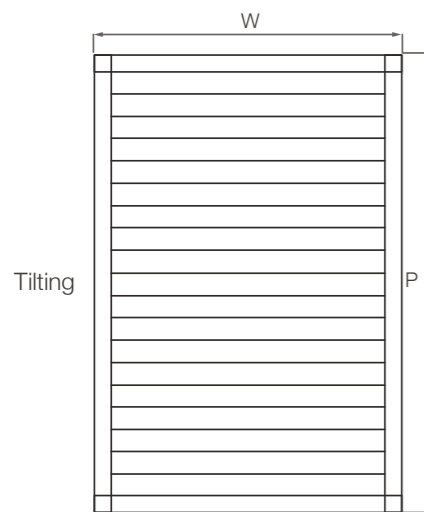
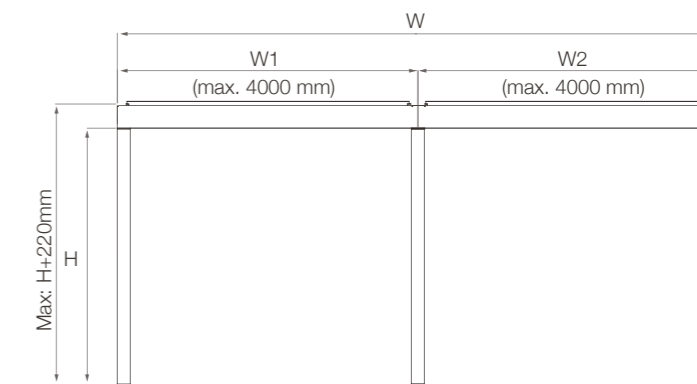
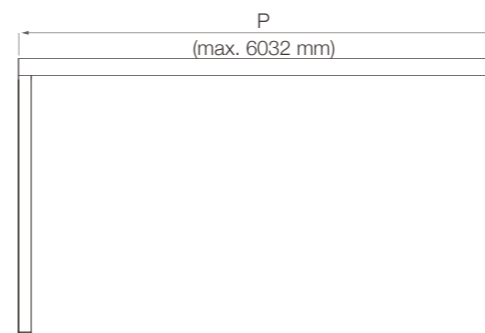
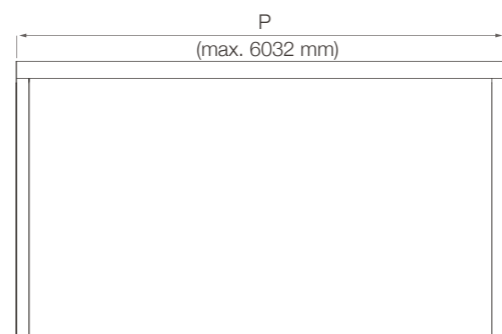
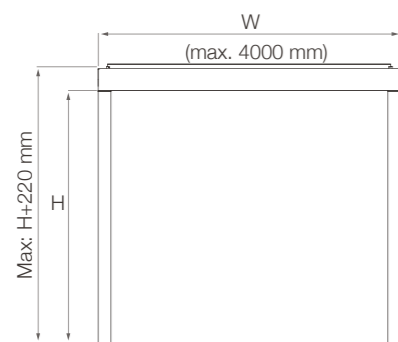
Dimension Ranges

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

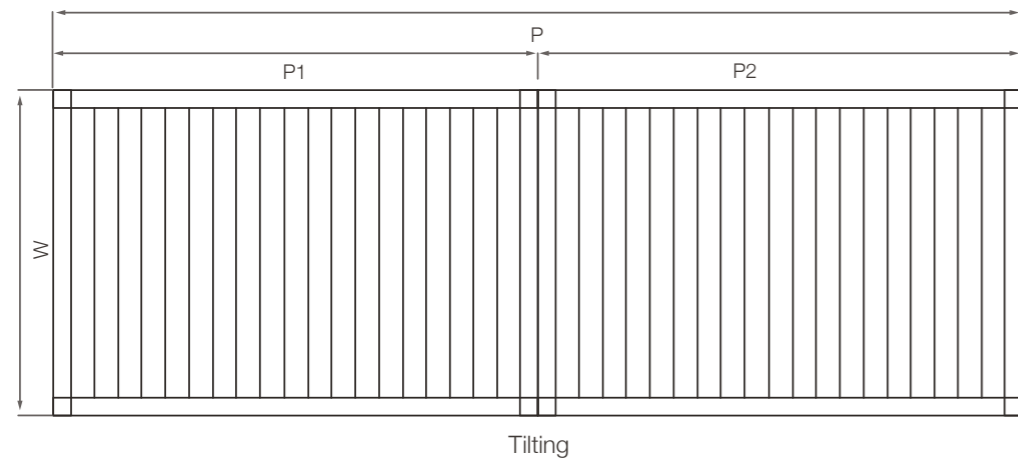
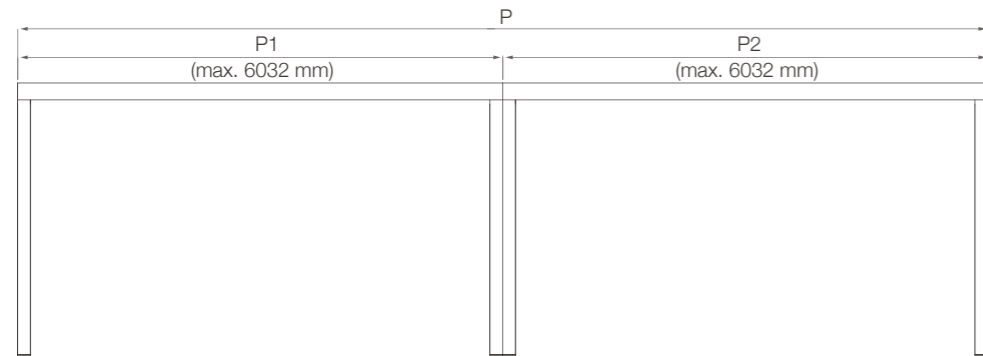
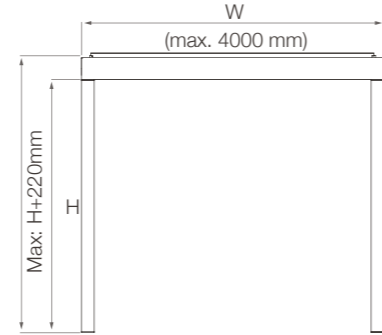
		WIDTH	
		1800	4000
6	1134		
7	1292		
8	1450		
9	1608		
10	1766		
11	1924		
12	2082		
13	2240		
14	2398		
15	2556		
16	2714		
17	2872		
18	3030		
19	3188		
20	3346		
21	3504		
22	3662		
23	3820		
24	3978		
25	4136		
26	4294		
27	4452		
28	4610		
29	4768		
30	4926		
31	5084		
32	5242		
33	5400		
34	5558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

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

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



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



Order Form

ROTA

Company Name:
Order Reference:

Order Date:

INSTALLATION TYPES

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

QUANTITY: pc

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

DIMENSIONS

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

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

POWDER-COAT COLORS

Structure

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

Louvres

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

LED LIGHTS

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

SENSORS

- Rain Sensor
- Wind Sensor

OPTIONALS

- Additional Post

COLUMN BASE OPTIONS

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

FLANGE POSITIONS

- Type A
- Type B
- Type C

DRAINAGE TYPES

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

PACKAGING

- Standard
- Wooden Crate
Extra cost

ADDITIONAL NOTES & DRAWINGS ATTACHED



Technical Details



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

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

Technical Specifications Rota

Technological Outdoor Covering System
With Rotating Louvres.

Description

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

Dimensions

One module

Width 1000 mm < 4000 mm

Projection 1134 mm < 6032 mm

Column Height 3000 mm

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

Technical Characteristics

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



- The water is flowed down to the main gutters by special drainage channels along the louvres and drained through columns.
- Internal rainwater down-pipe for columns.
- IP68 protection class, 12/24VDC power supplied linear actuator motor with stainless steel piston rod that enables the louvre to rotate.
- Production in compliance with CE, ISO 9001, ISO 1400 and NVA standards.
- 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 | +5100-6500K | 1130 lumens/m

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

- RGB Led-Hidden Stripe Lighting

96 LEDs/m

VIII | Sensors

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

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

Wind sensor

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

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

Rain sensor

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

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



IX | Closures

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

Sapphire

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

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

Cycle

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

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

Swind

Swind is an automatic vertical up-down glass panel.

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

Violet

Violet glass balustrade system.

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

Framee

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

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



measures.

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

Slidia

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

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

Vertex Zip System

Vertex is a motorised external blind system.

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

Wallfix

Wallfix is an aluminum louvered fixed wall system.

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

Doors

Glass door

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

Framed glass door

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



Photocell Door

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

X | Structure Color Options / Finishes

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

XI | Warranty

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

*End user and installation defects are not covered.

Overview

Operations

Tilting



Lighting Options

Led Stripe Dimmer Lighting



RGB Led-Hidden Stripe Lighting



Installation Types

Self Standing Single Module



Wall Mounting Single Module



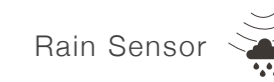
Self Standing Multiple Modules



Wall Mounting Multiple Modules



Sensors

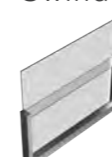


Closures

Sapphire& Cycle



Swind



Violet



Framee



Slidia



Vertex



Wallfix

