PÉRGOLAS BIOCLIMÁTICAS
LAMINAS ORIENTÁVEIS 0-135º MOTORIZADO

Ss. Solimo®

REMOTE CONTROLS, MOTORS AND WIRING

MOTORS

Motors of nautical inspiration, 24 volt linear actuator, power 45 W, IP 67
The electrical system is provided with harmonized cables accepted throughout the European community.

REMOTE CONTROLS

The remote controls are required to move the awning. They are preset for 4 openings (0°-45°-90°-140°) and manual adjustment.
Not included in the price of the structure

6 channels / 42 functions to handle blades, Raso awnings, and LEDs

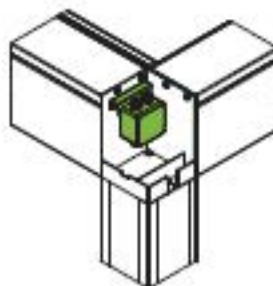1 channel / 7 functions to handle only the blades,

PRE-ASSEMBLY OF ELECTRICAL PARTS

All Opera, Vision and Raso models are supplied pre-assembled, complete with electrical system (wiring, watertight boxes, and electronic control units).
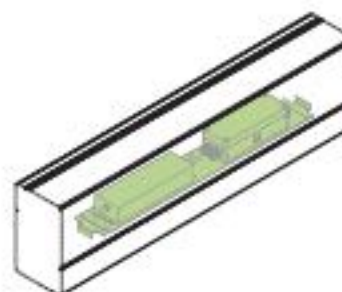
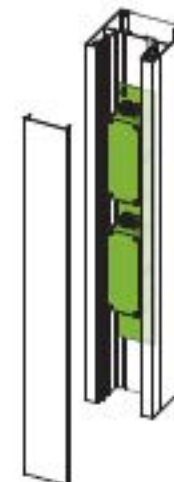Wiring for LED RGB color electrical system, including white light, dimmable
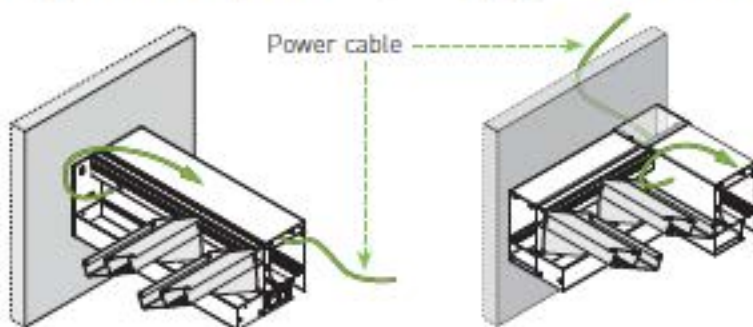
Pre-assembled wired watertight boxes

Inspectable Vision supporting profile, with 24 V power units and transformers

Inspectable Opera post, with 24 V power units and transformers

Diagrams of the output cable for power supply, versions 02 and 03

Power cable

AUTOMATION

TEMPERATURE SENSOR

Temperature sensor
Device for the detection of the temperature that controls the opening of the blades at the preset temperature.

RAIN OFF

Rain sensor
Device for detecting the presence of rain which automatically controls the closing of the blades. To reopen the blades, use the remote control or the Green Mouse transmitter.
In case of rain, after reopening the blades they will remain open at 45° for a short period of time, in order to drain the remaining water deposited on the blades.

WIND SAFETY

Wind sensor
Device for measuring the wind speed: if exceeding the set reference value, the sensor sends the command to open the blades at 45°. If the speed drops below the threshold value, the closing function is activated.

GREEN MOUSE

Wireless device with integrated light sensor, which verifies the solar brightness of the environment and automatically adjusts the intensity of the light, changing the degree of openness of the blades according to the pre-set level.

MY HAND

Device that allows to control the pergola with a single transmitter. It is an interface which, via a connection to a Wi-Fi router, allows to control Opera, Vision and Raso.
The control can be carried out with any terminal (PC, Laptop, Tablet, Smartphone) using a remote access via internet or Ethernet.

SNOW SAFETY

Snow sensor
The combination between the rain sensor and the temperature sensor means that, when the temperature drops below +3 °C and in the presence of high humidity, the blades are oriented at 90° to automatically prevent the accumulation of snow on the blades. Until the temperature rises above +3 °C, the blades will remain open.

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VISION BEAUFORT SCALE AND MAXIMUM PERMISSIBLE LOAD

VISION 1 SPAN

	L								
	200		250		300		350		400	
P	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)
200	10	500 kg/m²	10	500 kg/m²	10	400 kg/m²	9	275 kg/m²	9	200 kg/m²
250	10	500 kg/m²	10	500 kg/m²	10	400 kg/m²	9	275 kg/m²	9	200 kg/m²
300	9	500 kg/m²	9	500 kg/m²	9	400 kg/m²	9	275 kg/m²	9	200 kg/m²
350	9	500 kg/m²	9	500 kg/m²	9	400 kg/m²	9	275 kg/m²	9	200 kg/m²
400	9	500 kg/m²	9	500 kg/m²	9	400 kg/m²	9	275 kg/m²	8	200 kg/m²
450	8	475 kg/m²	8	375 kg/m²	8	325 kg/m²	8	275 kg/m²	8	200 kg/m²
500	8	400 kg/m²	8	300 kg/m²	8	250 kg/m²	8	200 kg/m²	8	175 kg/m²
550	8	325 kg/m²	8	250 kg/m²	8	200 kg/m²	8	175 kg/m²	8	150 kg/m²
600	8	250 kg/m²	7	200 kg/m²	7	175 kg/m²	7	150 kg/m²	7	130 kg/m²

VISION 2 HORIZONTAL SPANS

	L								
	400		500		600		700		800	
P	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)	Beaufort Scale (*)	Maximum permissible load(**)
200	9	400 kg/m²	9	350 kg/m²	8	275 kg/m²	8	225 kg/m²	7	200 kg/m²
250	9	400 kg/m²	8	350 kg/m²	8	275 kg/m²	8	225 kg/m²	7	200 kg/m²
300	9	400 kg/m²	8	350 kg/m²	8	275 kg/m²	8	225 kg/m²	7	200 kg/m²
350	9	400 kg/m²	8	350 kg/m²	8	275 kg/m²	7	225 kg/m²	7	200 kg/m²
400	9	400 kg/m²	8	350 kg/m²	8	275 kg/m²	7	225 kg/m²	7	200 kg/m²
450	9	325 kg/m²	8	250 kg/m²	8	200 kg/m²	7	175 kg/m²	7	150 kg/m²
500	9	250 kg/m²	8	200 kg/m²	8	150 kg/m²	7	145 kg/m²	7	120 kg/m²
550	9	200 kg/m²	8	150 kg/m²	8	140 kg/m²	7	120 kg/m²	7	100 kg/m²
600	9	175 kg/m²	8	125 kg/m²	8	110 kg/m²	7	90 kg/m²	7	85 kg/m²

[*] We wish to clarify that these verifications have been made on different types of standard installations (post height 230 cm) in simulated conditions of constant wind.

[**] We recommend the use of the temperature sensor combined with the rain sensor. In the presence of snow, the blades are positioned at 90° to prevent the accumulation of snow. In case of snow or other loads check and remove any element from the moving parts (blades) before operating the opening. We recommend periodic cleaning of drains and gutters.

- Standard installations are structures mounted on straight walls, adequately robust floors, with all the fixings and brackets provided, free and without side obstacles and anything else that might change the direction and intensity of the wind.
- Situations other than those listed above shall not be construed as faithful to the tests under standard conditions.
- The calculation takes into account structures with Slide/Slide Glass complete perimeter closures with closed doors.
- The winding of side walls can change the calculation criteria by reducing the wind resistance of the structure.
- It is recommended to close the perimeter awnings in the presence of winds that exceed Class 3 and, in any case, 49 km/h according to class 6 of the Beaufort scale.

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VISION

Registered patents

SPECIFICATIONS

- Bioclimatic pergola with adjustable sunscreen blades.
- Protection from sun, rain, wind, and snow.
- Rotation of the blades into adjustable positions up to 140°.
- Available in six versions:
  - Three with the possibility of coupling the modules on the width side L
    01L self-supporting version
    02L width side wall mounting version L
    02L depth side wall mounting version P
  - Three with the possibility of coupling the modules on the depth side P
    01P self-supporting version
    02P width side wall mounting version L
    03P depth side wall mounting version P
- Beaufort scale and maximum permissible load p. 85.

DIMENSIONS

- Blades: pitch 20 cm
- Single module:
  L 400 cm; P 600 cm
  The modules can be coupled.

HANDLING

- Through standard motor
- Remote controls required but not included in the price, you can choose from:
  - 1 channel/7 functions, for the management of one single automation
  - 6 channels/42 functions: To handle blades and dimmable LEDs with a single remote control.

SERVICES

- To facilitate the flat installation you may require custom cut of the posts.
- The structure comes pre-assembled in functional macro assemblies consisting of:
  - Electrical and wiring installation
  - Water discharge system.

OPTIONAL

- Integrated LED lighting with RGB color light including white light and dimmer, 24 volt, IP65.
- SLIDE GLASS fully tempered glass sliding glass doors.
- SLIDE sliding glass doors with aluminum frame.
- Automation on p. 83.
- Height-adjustable telescopic brackets (up to 5 cm).

COLORS

- Standard white RAL 9010.
- Recommended colors with surcharge: see p. 70.
- The blades may also be of a different color from the structure, with price increase (see table on p. 71).

IMPORTANT INFORMATION

- For measurement we recommend to use a laser level (p. 88).
- Every single module must be provided with at least two active downpipes. For each coupled module add one active downpipe.
- We recommend filling out the order forms.
- The installation must be done in a workmanlike manner ensuring that the upper support structure is perfectly level to allow proper water drainage.
- For installation we recommend to use a lift (Ercolino Pratic, p. 89).
- We recommend to periodically check that the gutter drains are not blocked.

STRUCTURE AND BLADE COLORS

STANDARD VERSION	RECOMMENDED WITH SURCHARGE						RAL OTHER
WHITE RAL 9010	IVORY RAL 1013	RAL 7006	CORTEN	GREY RAL 9006	IRON GREY	RAL 7016	

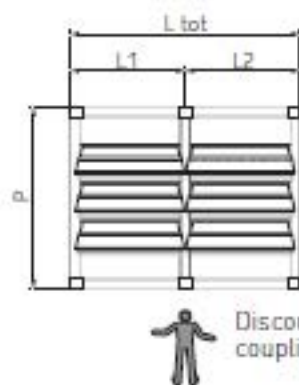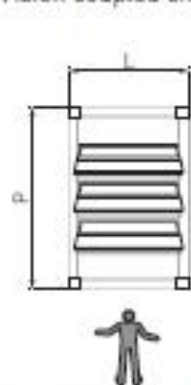**Ss. Solimo®** PROFISSIONAIS

VISION 01L

SELF-SUPPORTING
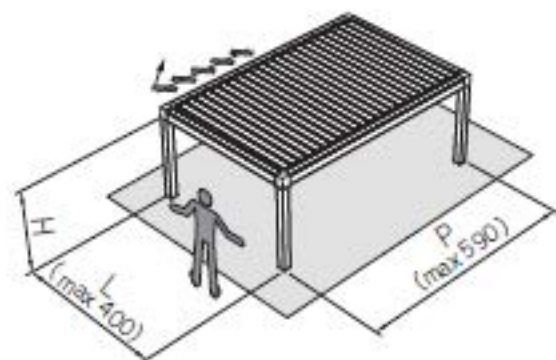
H 230 standard under the gutter, 270 max
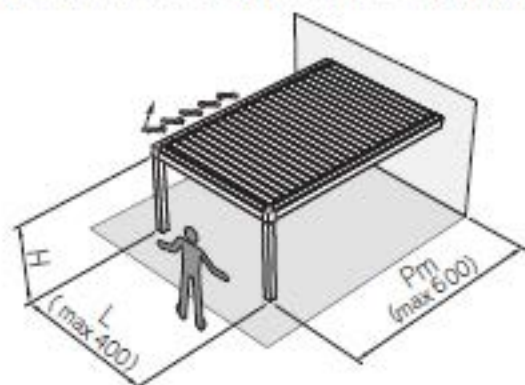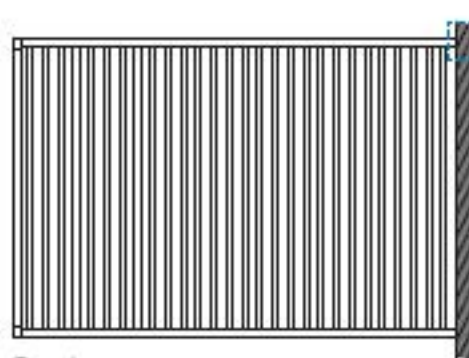
Top view

Vision coupled on width side **L**

L tot

L tot

L tot

L1 L2

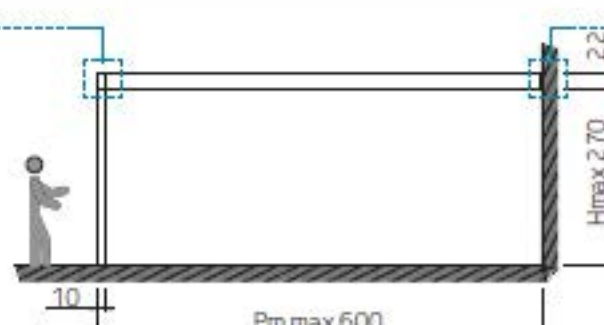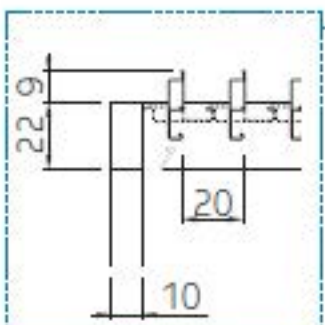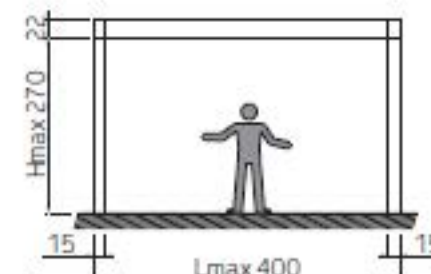L1 L2 L3

L1 L2 L3 L4

Discount for coupling

Discount for coupling

Discount for coupling

22.9

20

10

22

Hmax 270

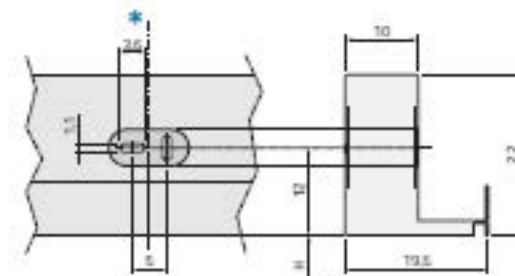10   Pmax 590   10

Side view

20

10

22.9

22

Hmax 270

15   Lmax 400   15

Front view

53
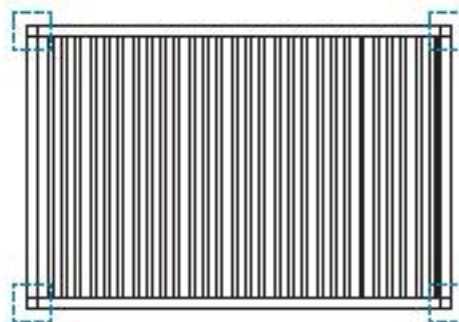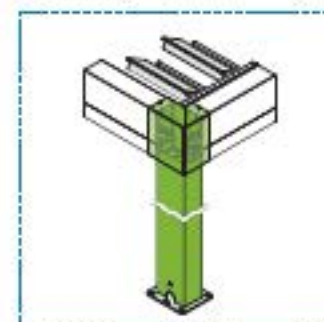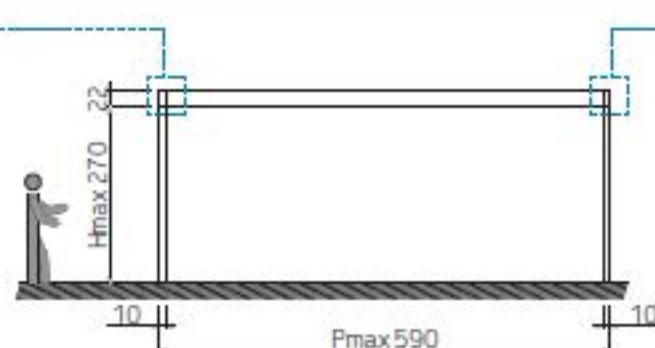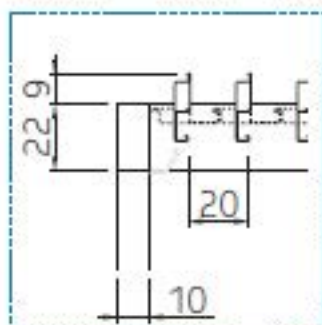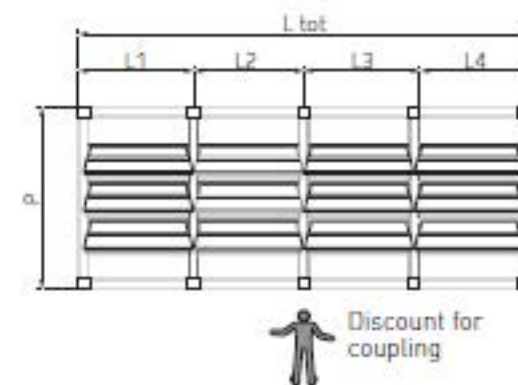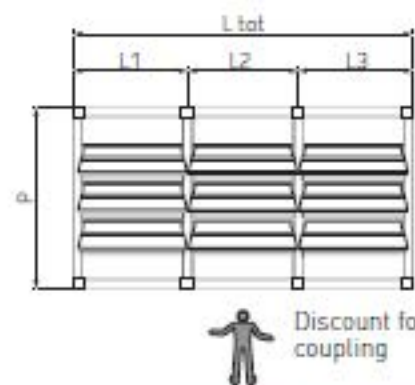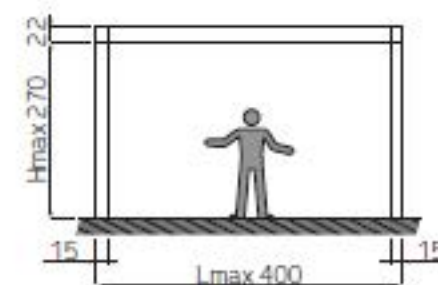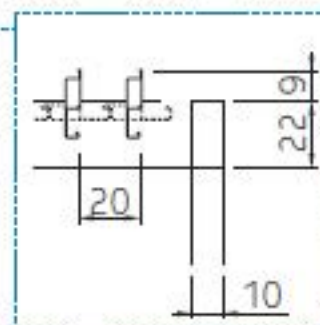
VISION 02L

WIDTH SIDE WALL MOUNTING L

H 230 standard under the gutter, 270 max

Top view
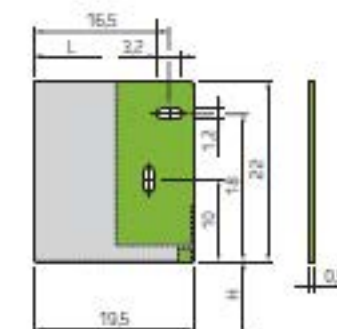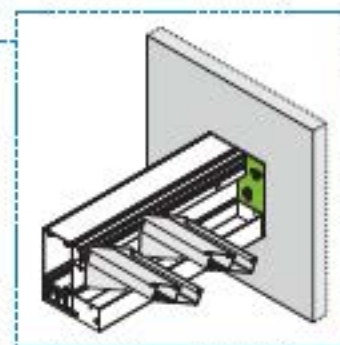
Wall plate

Vision coupled on the width direction L   **Pm = Wall depth**

Discount for coupling

Discount for coupling
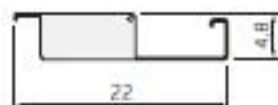
Discount for coupling

Discount for coupling

Side view

Pm max 600

Front view

Lmax 400

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55

VISION 03L

DEPTH SIDE WALL MOUNTING P

H 230 standard under the gutter, 270 max

Top view

Wall mounting with profile
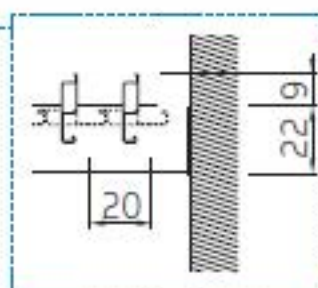
✳ Structures with depths of less than 400 cm: 2 fixings at the ends (minimum 100 cm from the outer structure)
Structures with depths greater than 400 cm: 3 fixings.
For fixings at different heights contact the Technical Department.

Vision coupled on width side L

Discount for coupling
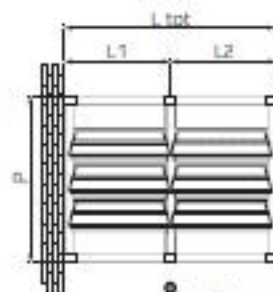
Discount for coupling
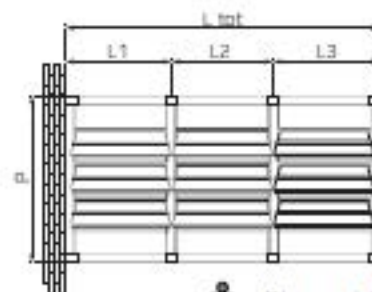
Discount for coupling
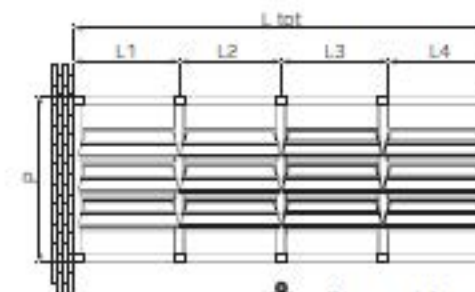
Discount for coupling

Side view

Front view

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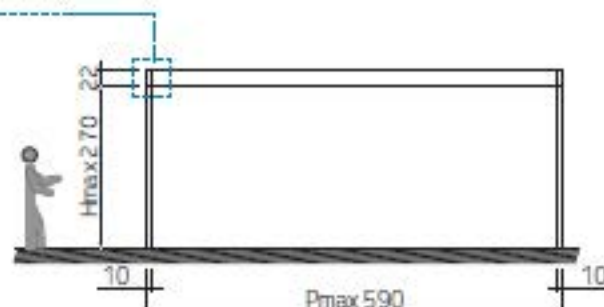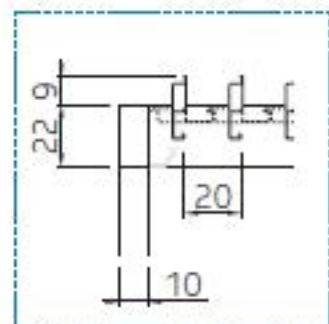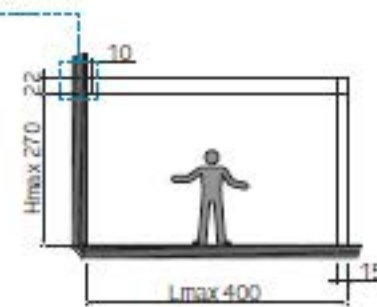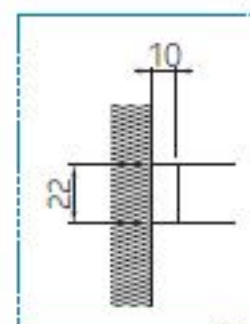
VISION DIMENSIONS AND TECHNICAL DETAILS

Blade profile

Vision post profile

Vision supporting profile
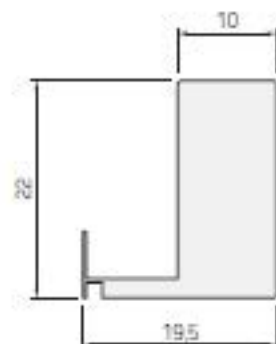
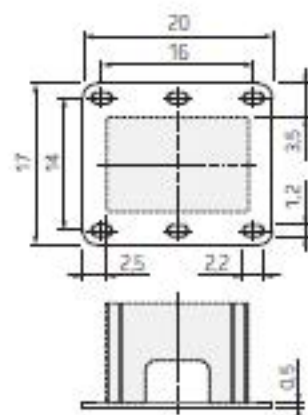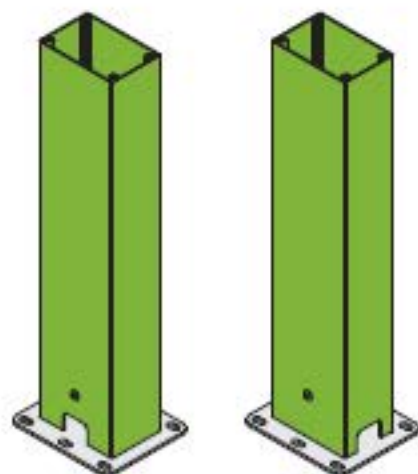## Intermediate supporting profile
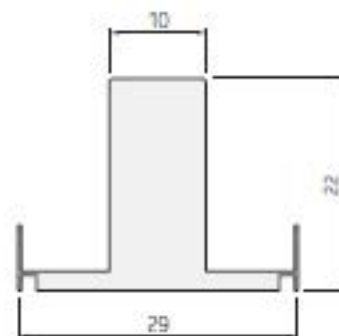
Ceiling mounting support

Ceiling mounts, may be ordered to size (min 10 cm – max 30 cm)
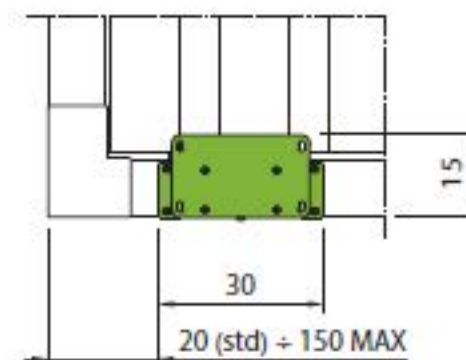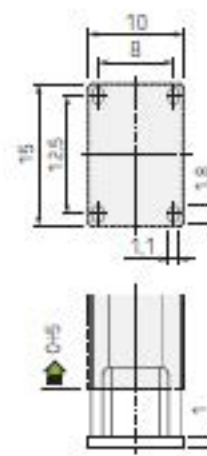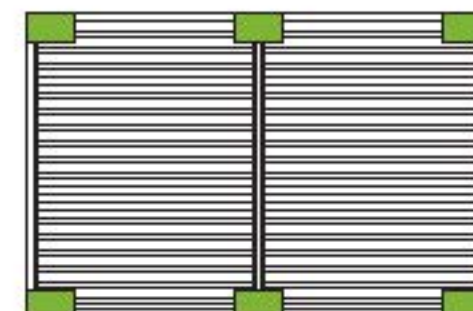

Ground bracket (standard)
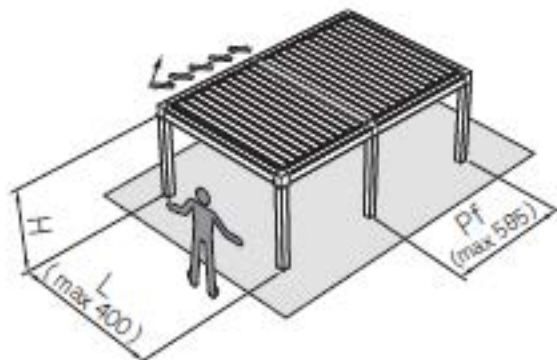

Telescopic bracket (optional)
Height-adjustable up to 5 cm

Vision post location diagram

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VISION 01P

SELF-SUPPORTING

Pf (max 585)
L (max 400)
H

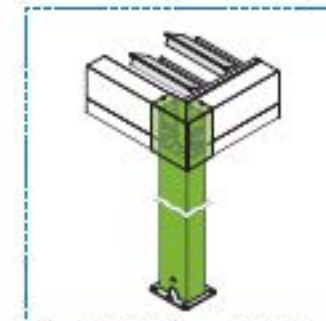**H 230 standard under the gutter, 270 max**
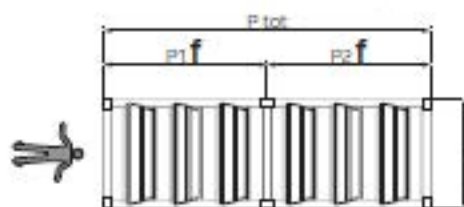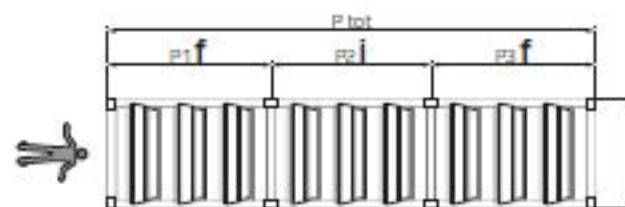

Top view

Vision coupled on depth side **P**
Pi = Intermediate module depth (Pi = P–10 cm)   **Pf** = Final module depth (Pf = P–5 cm)

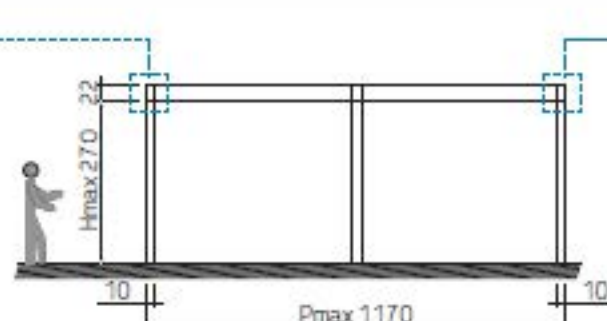

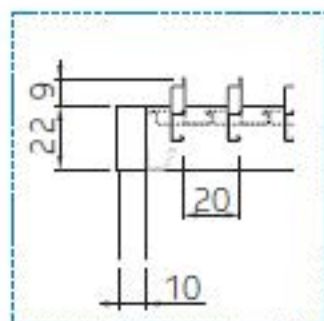P tot
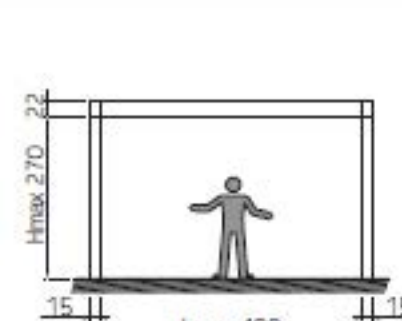P1 f   P2 f

Discount for coupling

P tot
P1 f   P2 i   P3 f

Discount for coupling

P tot
P1 f   P2 i   P3 i   P4 f

Discount for coupling

22 9
20
10

22
Hmax 270
10   Pmax 1170   10

Side view

9 22
20
10

22
Hmax 270
15   Lmax 400   15

Front view

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VISION 02P

WIDTH SIDE WALL MOUNTING L

H 230 standard under the gutter, 270 max

Top view

Wall plate

Vision coupled on depth side **P**

Pr = Reduced module depth (Pr = P–15 cm)   **Pi** = Intermediate module depth (Pi = P–10 cm)   **Pf** = Final module depth (Pf = P–5 cm)

P tot
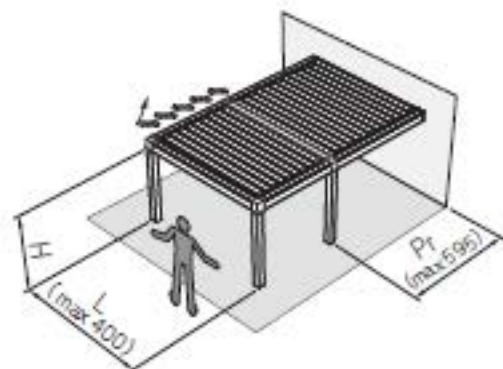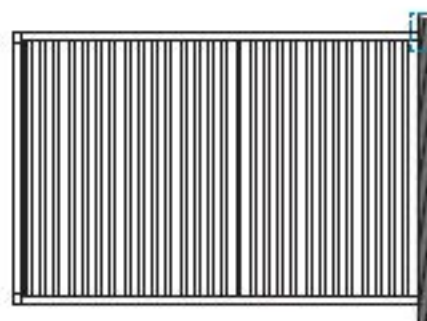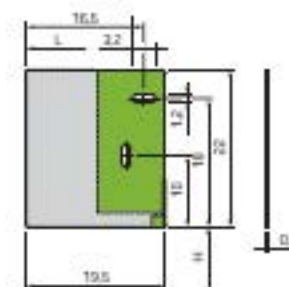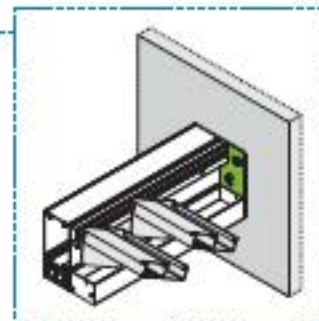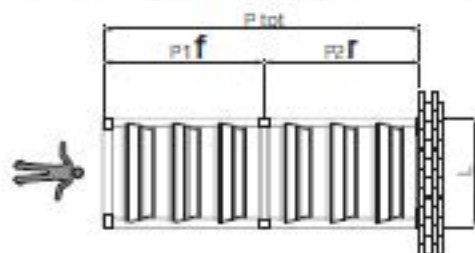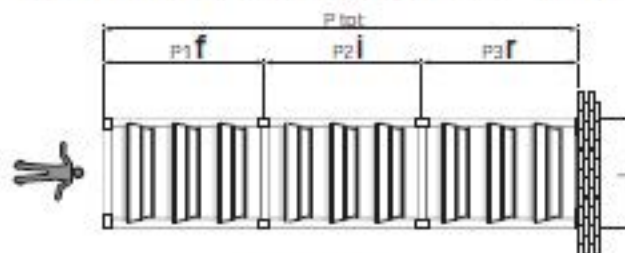
P1f   P2r

Discount for coupling

P tot

P1f   P2i   P3r

Discount for coupling

P tot

P1f   P2i   P3i   P4r

Discount for coupling

Side view

Pmax 1180

Front view

Lmax 400

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VISION 03P

DEPTH SIDE WALL MOUNTING P

H 230 standard under the gutter, 270 max

Top view

minimum 100 cm

Wall mounting with profile

* Structures with depths of less than 400 cm: 2 fixings at the ends (minimum 100 cm from the outer structure)
Structures with depths greater than 400 cm: 3 fixings are required.
For fixings at different heights contact the Technical Department.

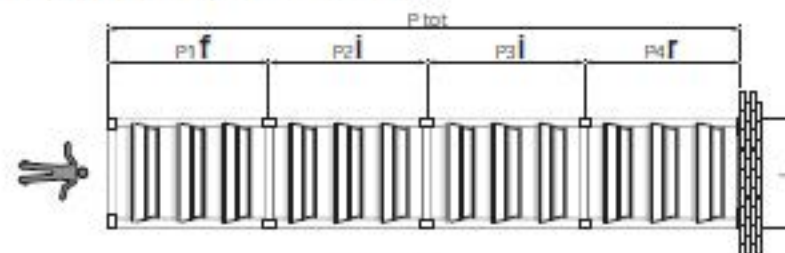Vision coupled on depth side **P**
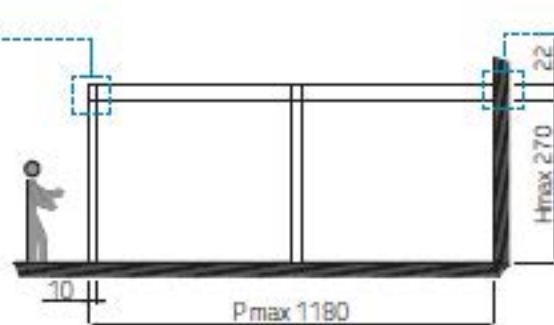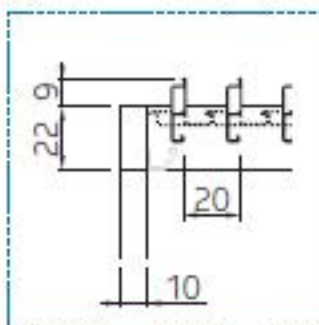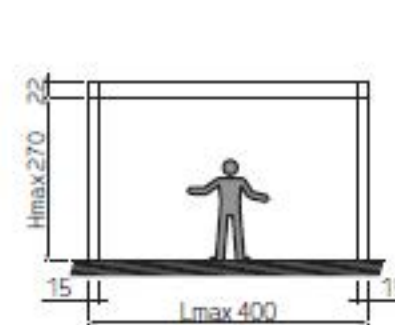**Pi** = Intermediate module depth (Pi = P–10 cm)   **Pf** = Final module depth (Pf = P–5 cm)
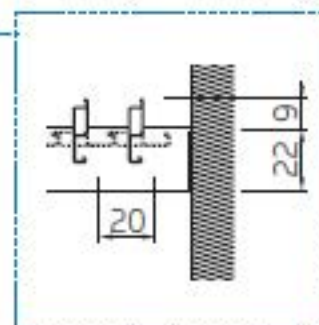

Discount for coupling

Discount for coupling

Discount for coupling

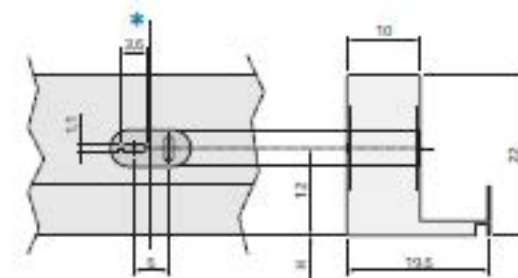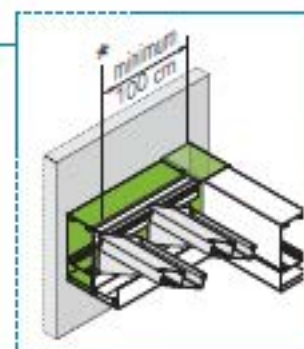Side view   Pmax 1170

Front view   Lmax 400

VISION DIMENSIONS AND TECHNICAL DETAILS

Blade profile

4,8

22

Vision post profile

15

10

Vision supporting profile

10

22

19,5

Intermediate supporting profile

10

22

29

Ceiling mounting support

10 ÷ 30

Ceiling mounts, may be ordered to size (min 10 cm – max 30 cm)

15

30

20 (std) ÷ 150 MAX

Ground bracket (standard)

20

16

17

14

3,5

1,2

2,5

2,2

0,6

Telescopic bracket (optional)
Height-adjustable up to 5 cm

10

8

15

12,5

1,8

1,1

0+5

1

Vision post location diagram

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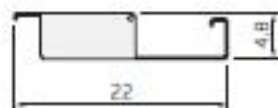
LED VISION

Integrated LED lighting with RGB color light including white light and dimmer, 24 volt, IP55, 420 lumen/meter.

• The LED lights on the depth side are integrated into the standard gutter profile. The LED lights on the L side require the additional gutter profile.

• **Note** We recommend ordering the LED lights together with the pergola.

Any after-sales requests involve complicated machining and electronic processing and the product will not be certified or guaranteed.

• All the electrical installation with positioned wiring and LED lights will be preassembled by Pratic

LED on depth side

LED on width side

Each LED group of 5, 10, 15, and 20 m is inclusive of power supply and power on/off control unit.
The control unit powers up to 8 LED strips.
To feed more than 8 strips or to split the LEDs on/off you need to use multiple groups.

Examples

• 1 20 m LED group (strips ①+②+③+④), switching on and dimming in common

• 2 10 m LED group (strips ①+② and strips ③+④), independent switching on and dimming of the 2 groups

• 4 5 m LED groups (strip ①, strip ②, strip ③, strip ④) independent switching on and dimming of the 4 groups

LED

The LED lights on the depth side are integrated into the standard gutter profile.

LED + GUTTER

Note The LED lights on the width side require the additional gutter profile.

P (5m)
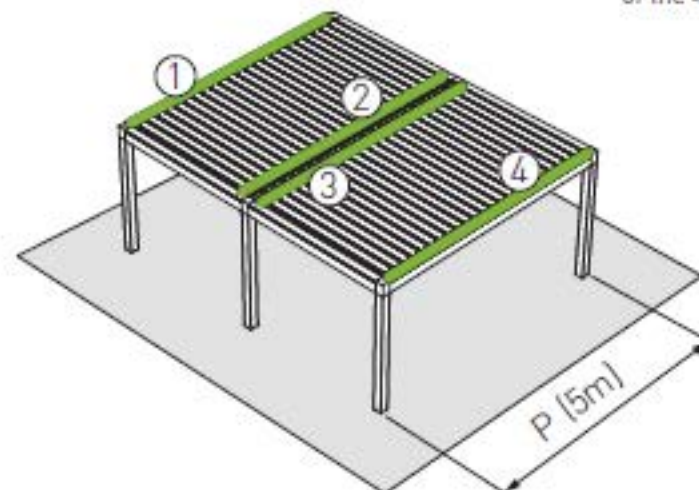
COLORS VISION

The RAL OTHER are subject to surcharge as well as to the availability of the powder, as shown in the table.

The surcharge for RAL OTHER is intended with the gross price.

The reproduction of colors and shades is approximate.

	STANDARD		RECOMMENDED RAL						RAL OTHER
BLADES	RAL 9010		IVORY RAL 1013	RAL 7006	CORTEN	GREY RAL 9006	IRON GREY	RAL 7016	
STRUCTURE	RAL 9010		IVORY RAL 1013	RAL 7006	CORTEN	GREY RAL 9006	IRON GREY	RAL 7016	
SLIDE	RAL 9010	IRON GREY	IVORY RAL 1013	RAL 7006	CORTEN	GREY RAL 9006		RAL 7016	
SLIDE GLASS	RAL 9010		IVORY RAL 1013	RAL 7006	CORTEN	GREY RAL 9006	IRON GREY	RAL 7016	
PAREO	RAL 9010		IVORY RAL 1013	RAL 7006	CORTEN	GREY RAL 9006	IRON GREY	RAL 7016	

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PAREO

Raso

Pareo

BIOCLIMATIC PLANET 50+4

Fixed panels with aluminum
and standard Soltis fabric 86 e 92.

- They can be matched with Raso
  closures.
- Available for both structures
  Opera and Vision.
- H max 250 cm, L max 90 cm.
- Bushing kit for ceiling, floor
  and post mounting.

Different measures to be added to
the estimate after analysis by the
Pratic technicians.

Stainless steel
cable stabilizer

H (230 STANDARD / 250 MAX)

L (40÷90)

1,2

5
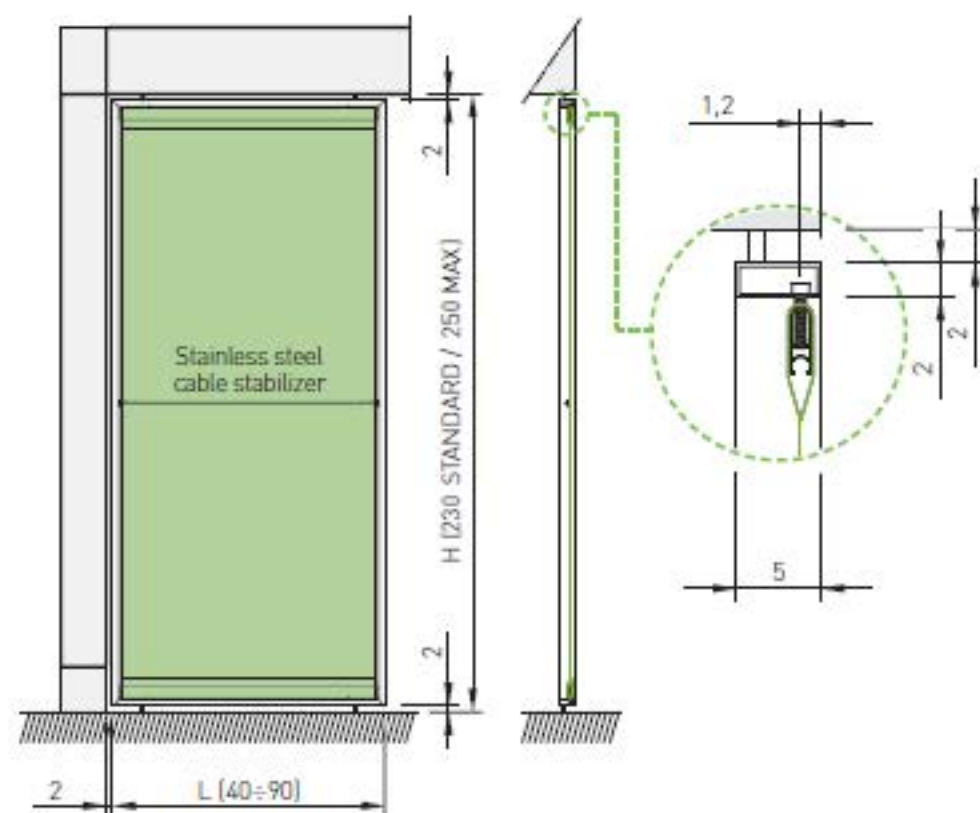
COLORS

STANDARD VERSION	RAL OTHER
WHITE RAL 9010	

SLIDE GLASS

Slide Glass is a parallel sliding system, with a modular frame, which allows the creation of multiple closures.
All parts are made with thoroughly researched and tested materials to ensure only the best functionality and durability.

- Extruded aluminum profiles. The exclusive shapes and design ensure custom aesthetics to the system.

- All accessories are designed for this particular application. The grip handles are made of rounded stainless steel. The closures can be operated with internal knobs.
- The stainless steel trolleys have 28 mm diameter wheels and protected ball bearings. Each door has two adjustable trolleys for perfect alignment. For better functionality, the doors slide on bottom tracks with stainless steel coating
- L and H finished dimensions have a manufacturing tolerance of 0/−0.2 cm

- The system is provided with 10 mm thick tempered glass.
- Weight: 25 kg/sqm.
- The frame consists of 2, 3 or 4-way profiles. This system allows the collection of all the doors adjacent to the first, allowing the opening of a large part of the surface.

- **For transportation not carried out by Pratic a wooden crate is mandatory.**
- **For unloading, it is essential to use a forklift.**
- **For mounting and handling of individual glass panels, we recommend using suction cups.**

- Delivery time: 5 weeks from order
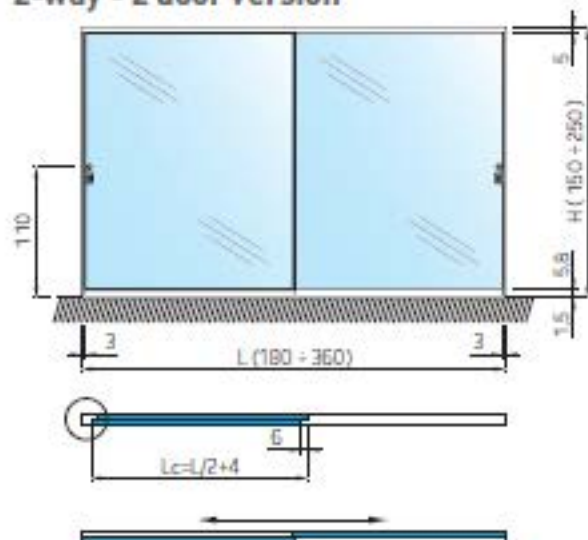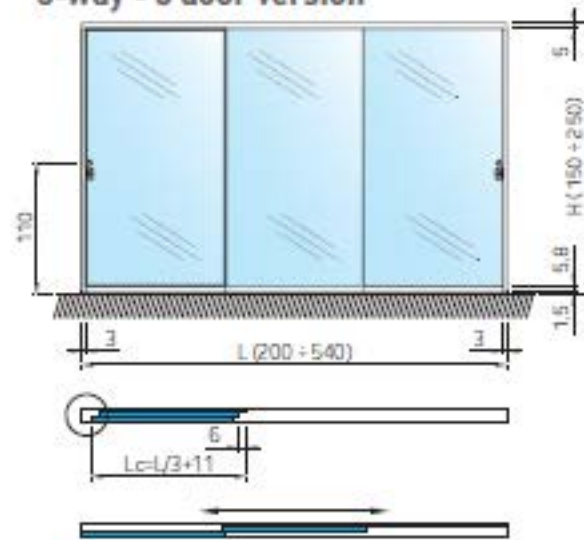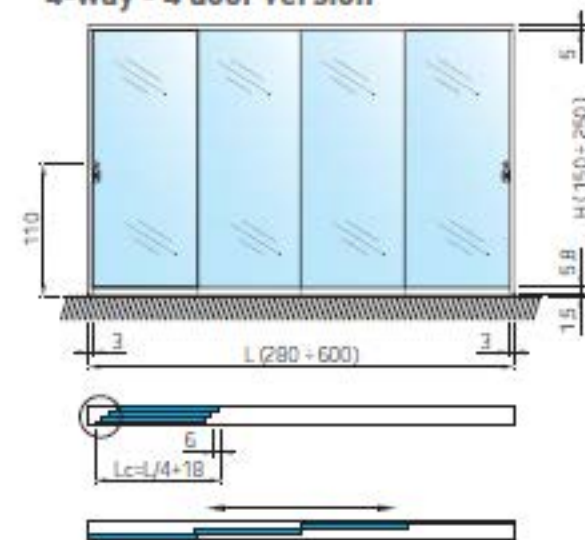
COLORS

STANDARD VERSION	RAL OTHER
WHITE RAL 9010	no surcharge

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2-way - 2 door version

$H (150 \div 250)$
110
5
5.8
1.5
3
L (180 ÷ 360)
3
6
$Lc=L/2+4$

3-way - 3 door version

$H (150 \div 250)$
110
5
5.8
1.5
3
L (200 ÷ 540)
3
6
$Lc=L/3+11$

4-way - 4 door version

$H (150 \div 250)$
110
5
5.8
1.5
3
L (280 ÷ 600)
3
6
$Lc=L/4+18$

2-way - 4 door version

$H (150 \div 250)$
110
5
5.8
1.5
3
L (180 ÷ 360)
3
6
$Lc=L/4+5$

Post Opera
Raso Guide
4,6
4,1
1
3

3-way - 6 door version

$H (150 \div 250)$
110
5
5.8
1.5
3
L (200 ÷ 540)
3
6
$Lc=L/6+12$

Post Opera
Raso Guide
4,6
6,1
1
3

4-way - 8 door version

$H (150 \div 250)$
110
5
5.8
1.5
3
L (280 ÷ 600)
3
6
$Lc=L/8+18$

Post Opera
Raso Guide
4,6
8,1
1
3

SLIDE GLASS
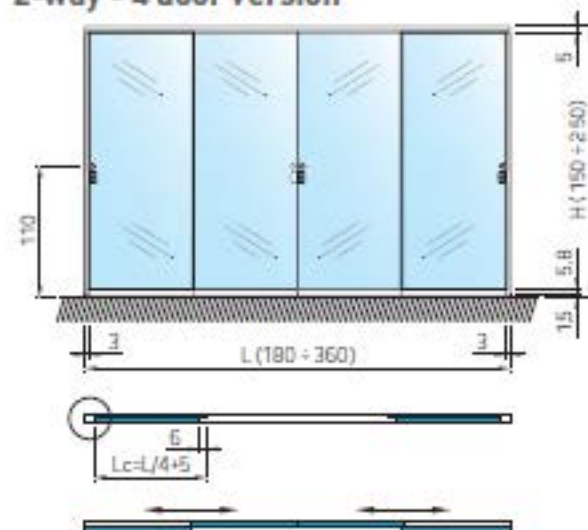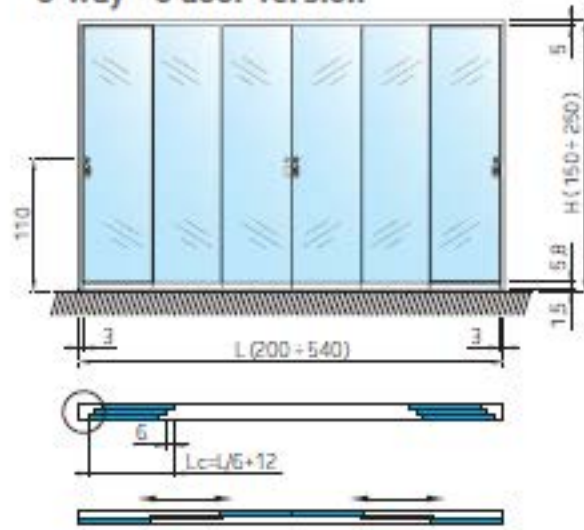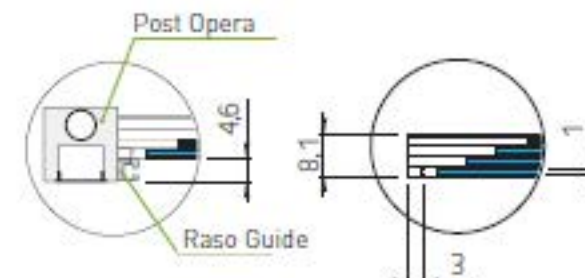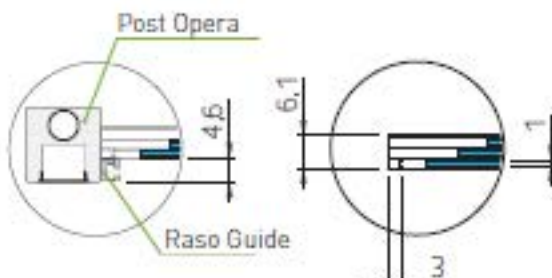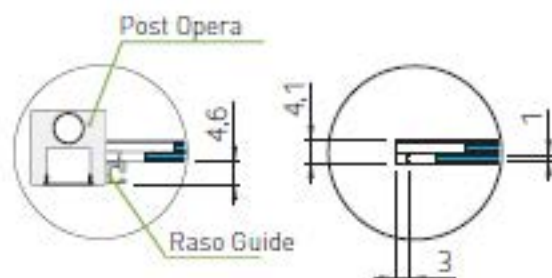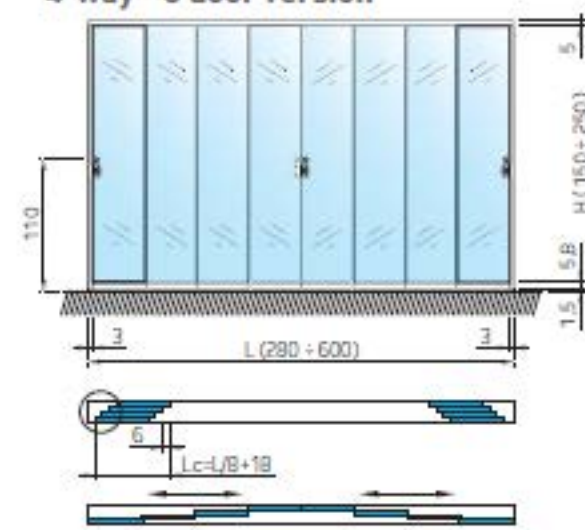
SLIDE

Slide is a real glass panel sliding closure for total protection from wind and rain that creates comfortable and sheltered environments without removing the external view.

- The structure is made entirely of aluminum and in the standard colors Iron grey and white RAL 9010; RAL other colors can be chosen subject to surcharge.

- The glazed doors consist of aluminum profiles and are fixed with gaskets made of EPDM (ethylene-propylene elastomer) and high density seal brushes in Polypropylene around the entire perimeter.

- The sliding is guaranteed by wheeled trolleys in reinforced polyamide and ball bearings with 70 kg maximum capacity. The glass is 3/3 mm laminated for accident prevention with PVD 038 film (UNI EN 7697.2007)

- The field of application is adaptable for the entire range of Tecnic pergolas with the choice of two or three ways for every closing need.

- For special finishes, a 20x2 mm aluminum perimeter thread cover is also available. Recessed lock handle with key or internal pull handle available on request.

- L and H finished dimensions have a tolerance of 0/−0.5 cm.
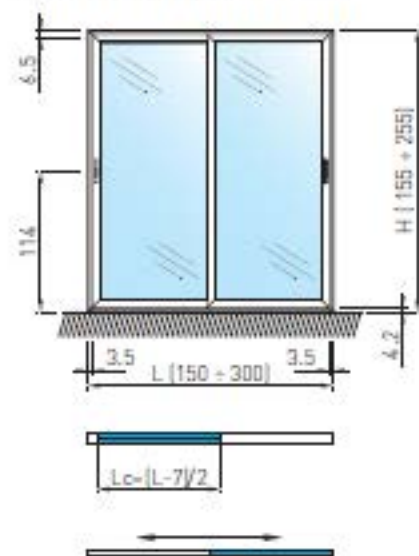
COLORS

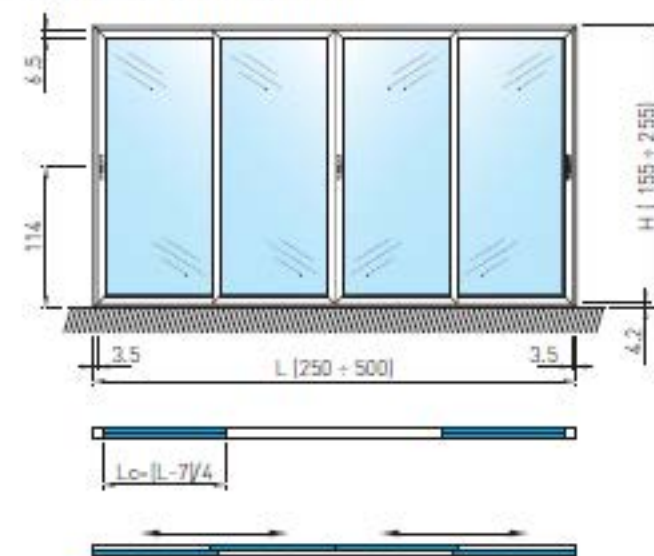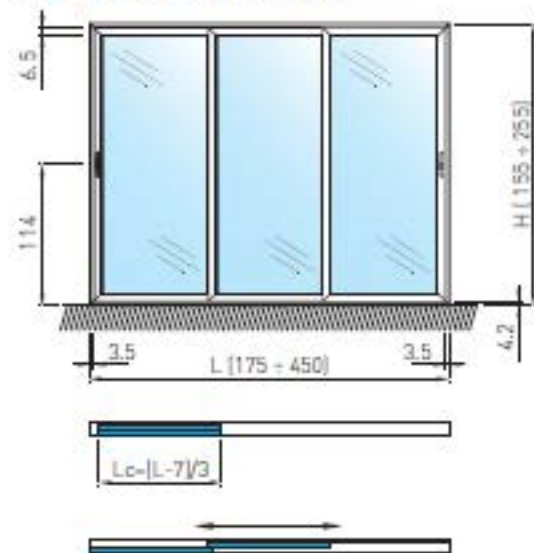### STANDARD VERSION

WHITE RAL 9010

IRON GREY

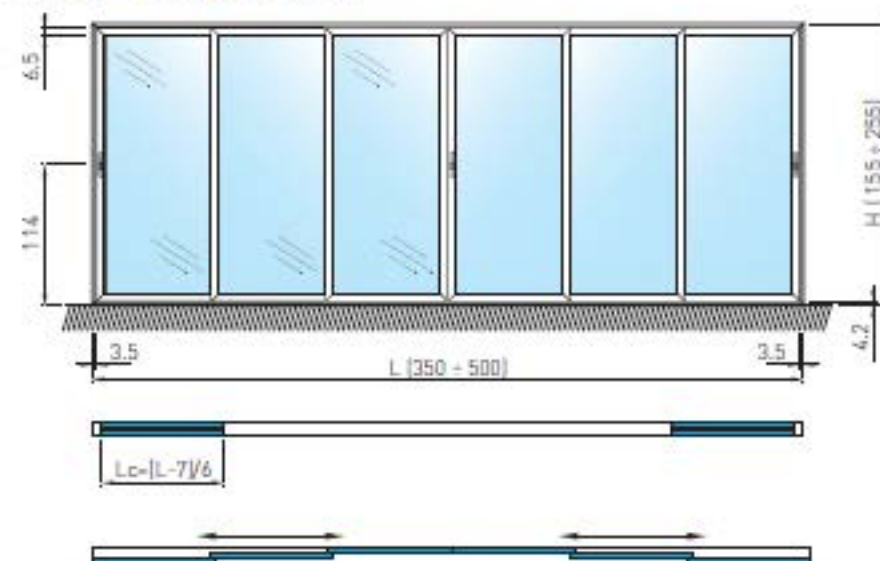### RAL OTHER

2-way - 2 door version

H (155 ÷ 255)

6.5

114

3.5   L (150 ÷ 300)   3.5

4.2

$Lc=(L-7)/2$

2-way - 4 door version

6.5

114

H (155 ÷ 255)

3.5   L (250 ÷ 500)   3.5

4.2

$Lc=(L-7)/4$

3-way - 3 door version

6.5

114

H (155 ÷ 255)

3.5   L (175 ÷ 450)   3.5

4.2

$Lc=(L-7)/3$

3-way - 6 door version

6.5

114

H (155 ÷ 255)

3.5   L (350 ÷ 500)   3.5

4.2

$Lc=(L-7)/6$

SLIDE
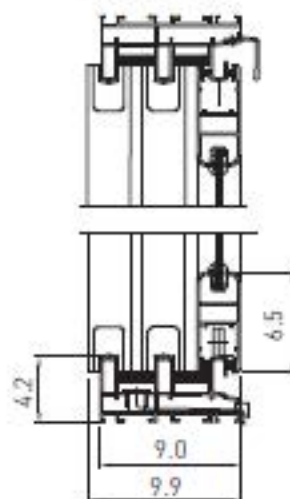
2-way slide

inside → ← outside

6.5
4.2
5.5
6.3

3-way slide

6.5
4.2
9.0
9.9
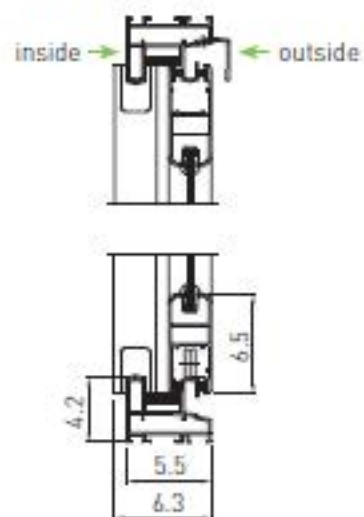
Guide perimeter profile detailed view

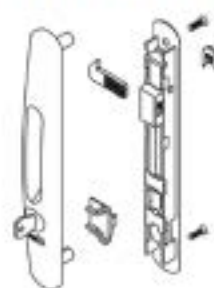Optional on request: perimeter thread cover profile in 20 x 2 mm aluminum plate

---

Standard handle
Internal position by default
Available finishes: white
RAL 9010 and black

1 per side on the inside

Recess handle with external key
(optional accessories)
Internal position by default
Available finishes: white
RAL 9010 and black

Internal drag handle
(optional accessories)
Internal position by default
Available finishes: white
RAL 9010 and black

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