

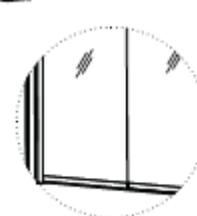
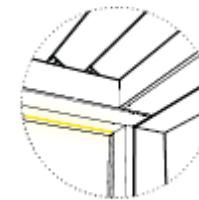
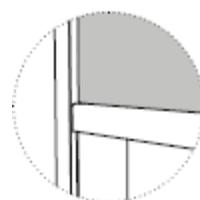
## Model: BRERA (P, S & B) Retractable Louvered Pergola®



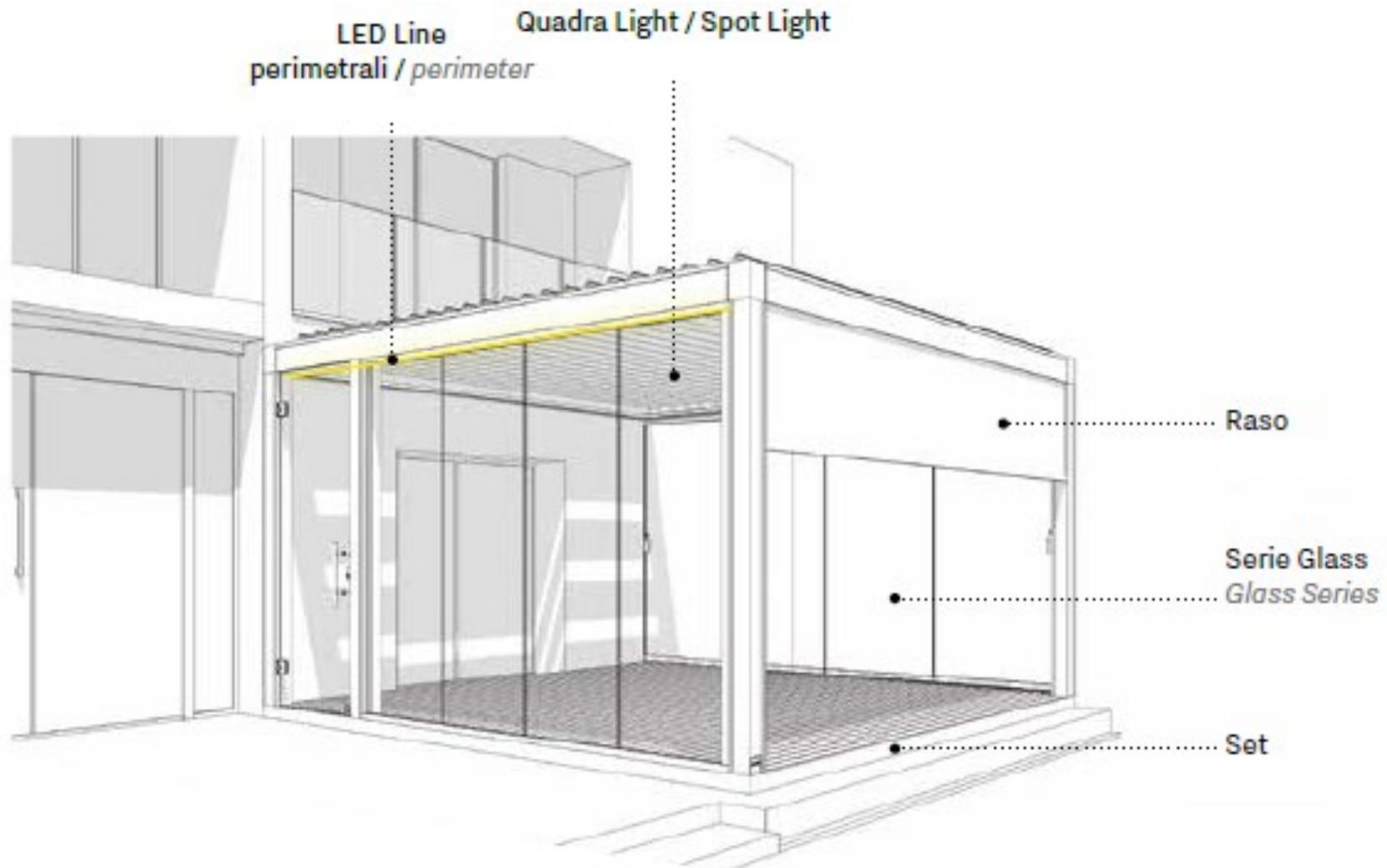
Application	Maximum Width	Maximum Projection	Options
Free Standing or Wall Mounted Commercial & Residential	4.3 m - 4.5 m 14' 1" - 14' 9" Depending on version	6.10 m 20' proj. Depending on version	LEDS, Heaters, Side Screens Set Flooring Slide Glass

### PRODUCT FEATURES:

- Motorized Louvered roof pergola.
- Adjustable & Fully Retractable blades
- Ideal for free standing or wall mounted applications.
- Internal gutter and downspouts for water drainage.
- Designed to withstand some loads. Please inquire with Sunair office.
- H20 or H30 Louvers with blade pitch 20 cm.
- Multiple modules can be mounted side by side with common posts to create larger width.
- All aluminum frame powder coated.
- Motorized all sizes.
- Raso screens optional model P only.
- Ideal for adding roll down zipper screens to create an enclosed space.
- Powered with a Somfy Altus 550 Motor.



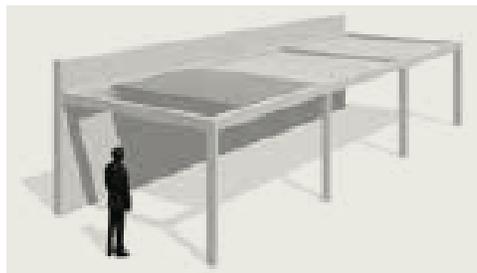
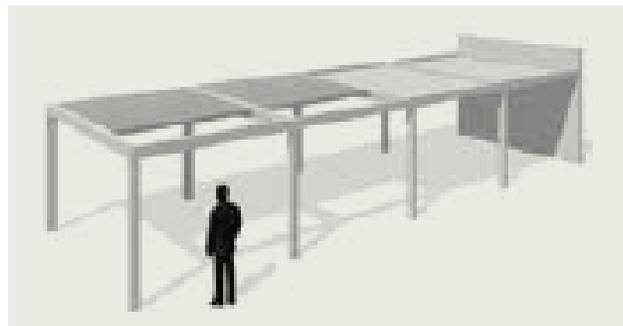
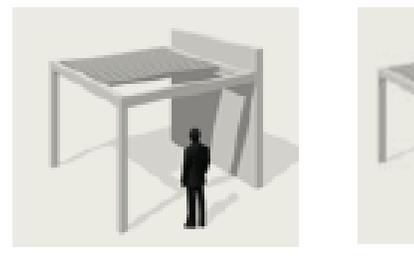
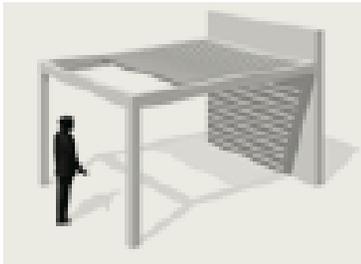
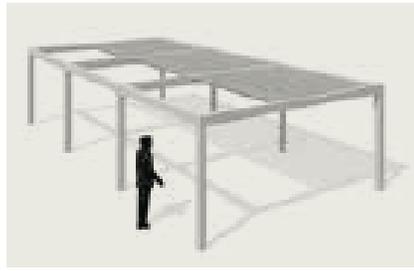
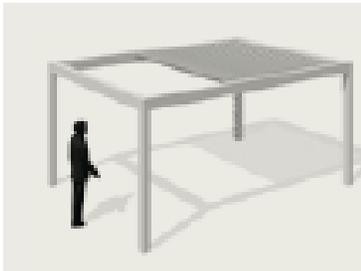
# FUNDAMENTALS: BRERA



# BRERA: Installations



# BRERA: Some possible model configurations

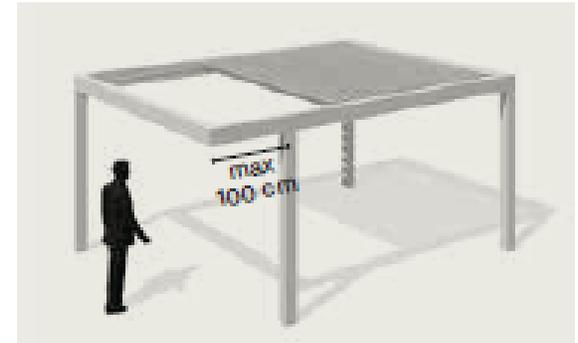


# BRERA: Special Order / Possible Combination

Note: Please contact Sunair office for instructions if these version are desired. Approval must be given and disclaimer must be signed.



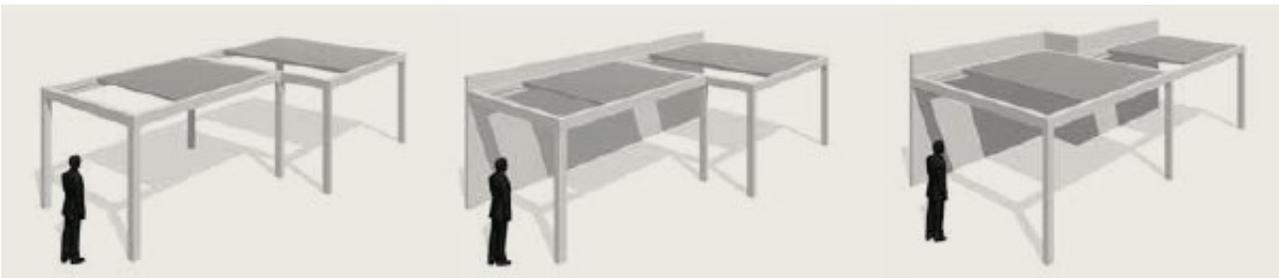
Modules joined on both the width and projection side simultaneously.



Structures with cantilevered posts.



Free standing or wall mounted structures joined on the width side with different projections.



Free standing or wall mounted structures joined on the projection side with different widths.

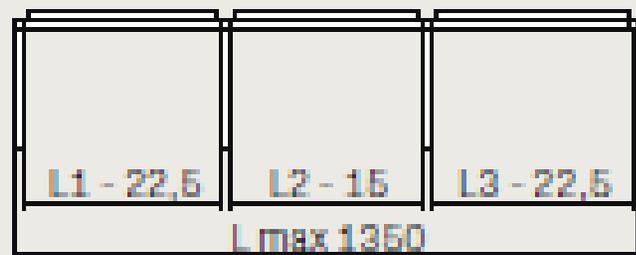
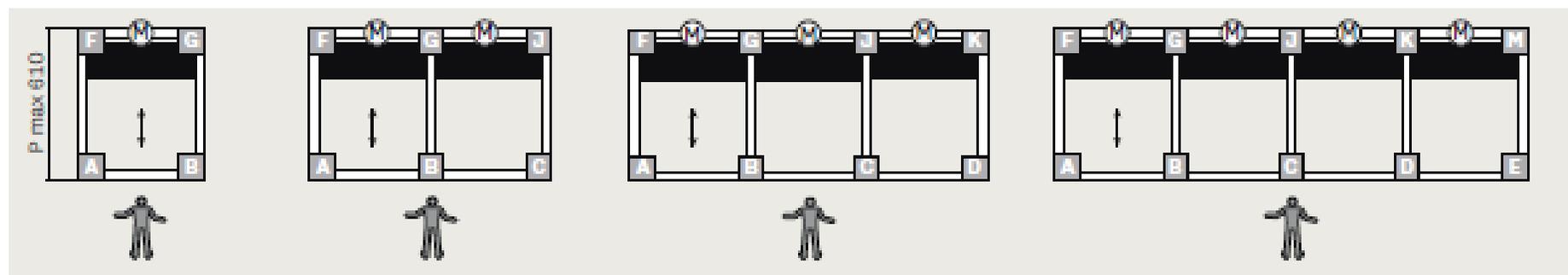
## RASO SCREENS:

**BRERA "P" is available with optional Raso screens.**

**BRERA S and B do not have optional Raso screens available.**

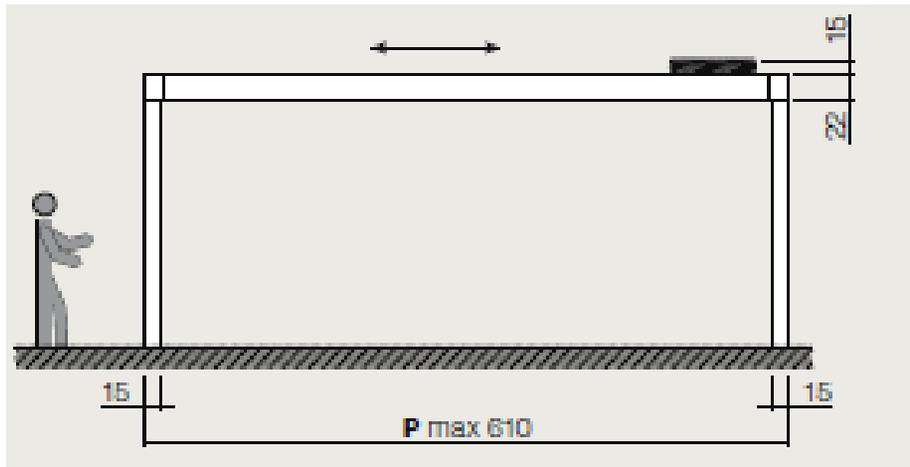
# BRERA P

## “P” 01L: Free standing

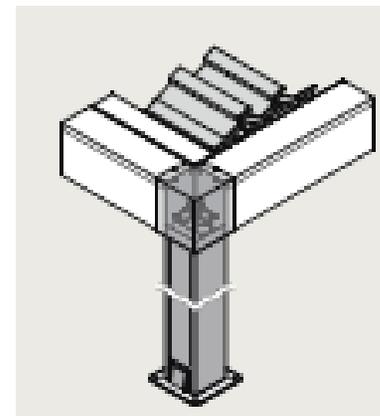
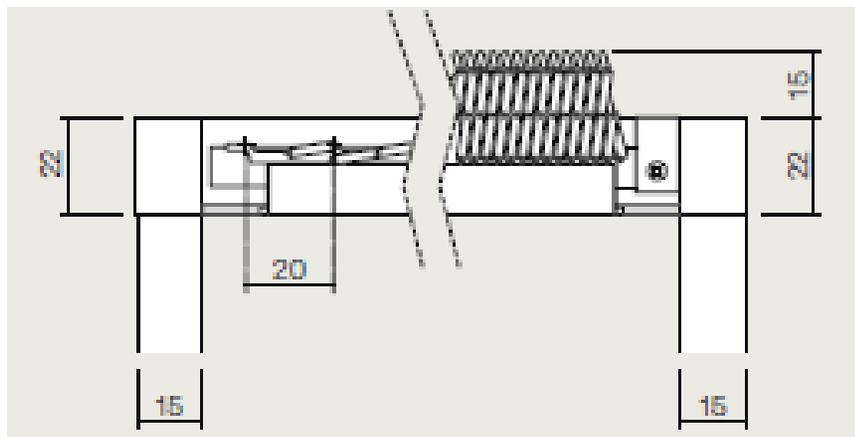
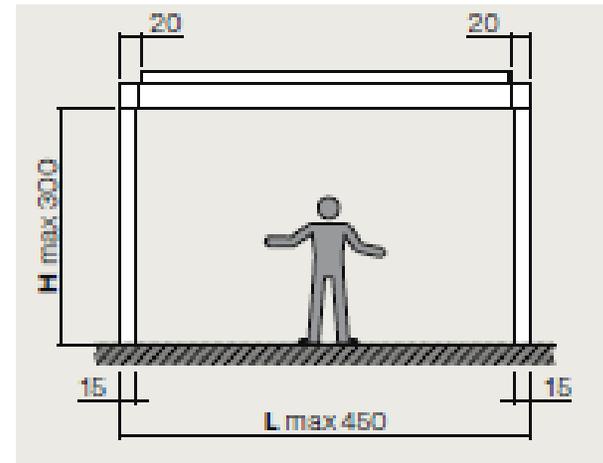


# BRERA "P" 01L: Free standing con't.

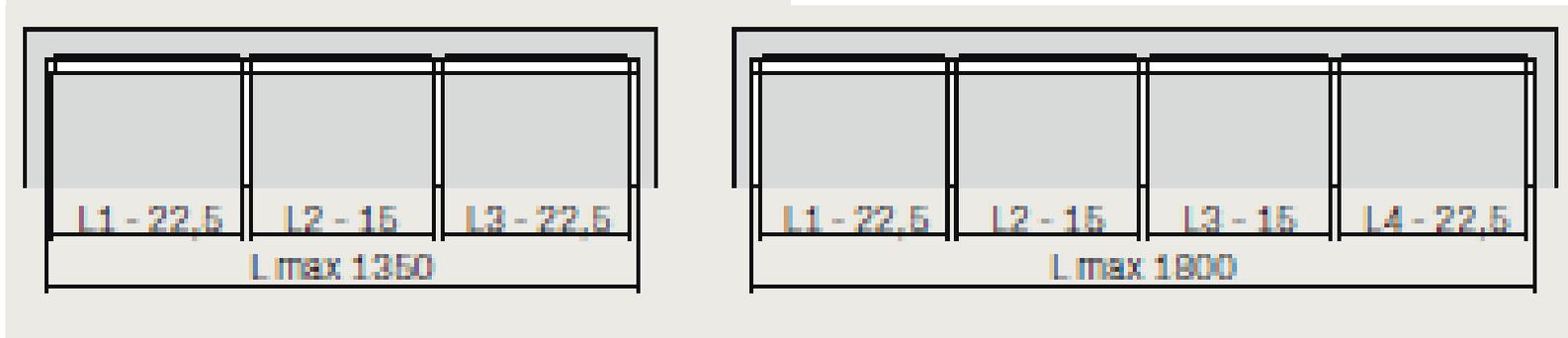
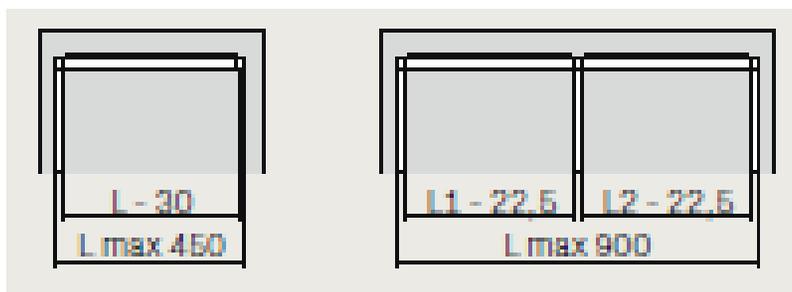
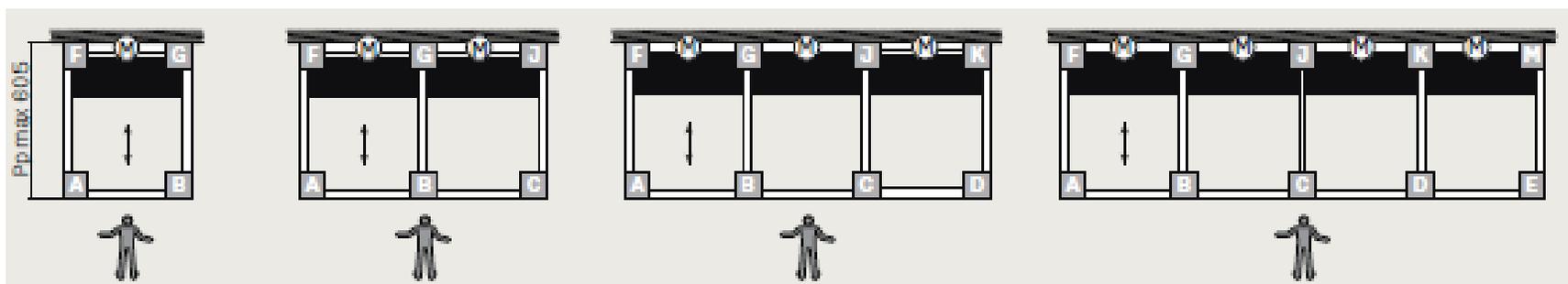
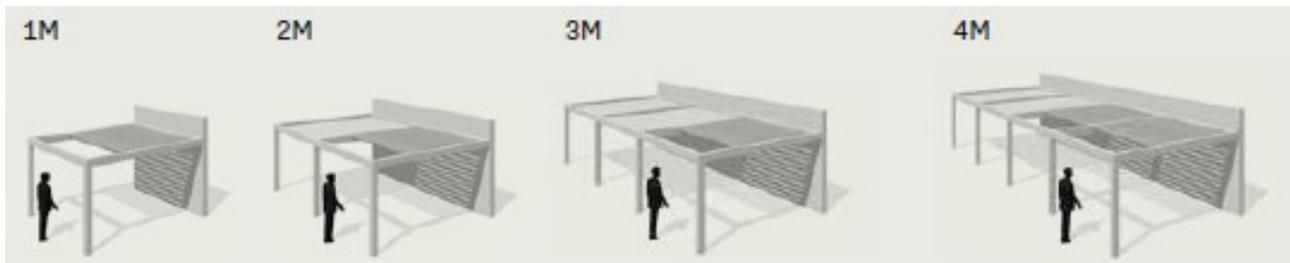
SIDE VIEW



FRONT VIEW

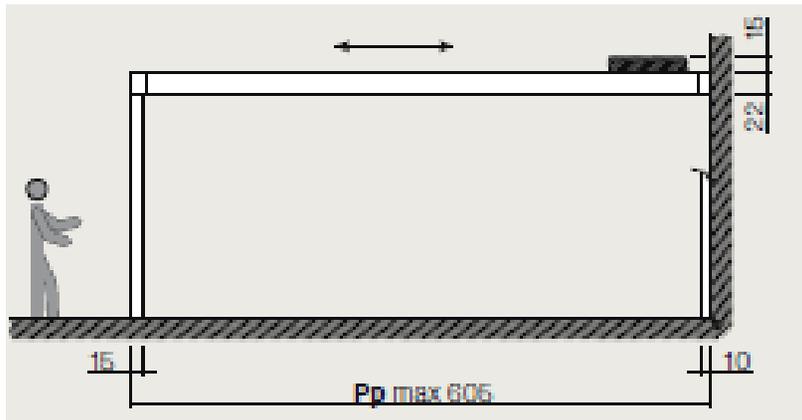


# BRERA "P" 02L: Mounted on width side

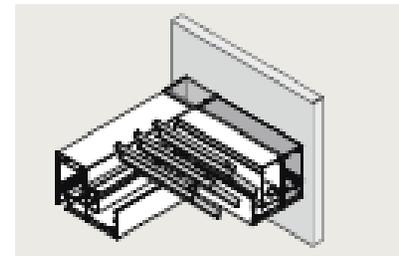
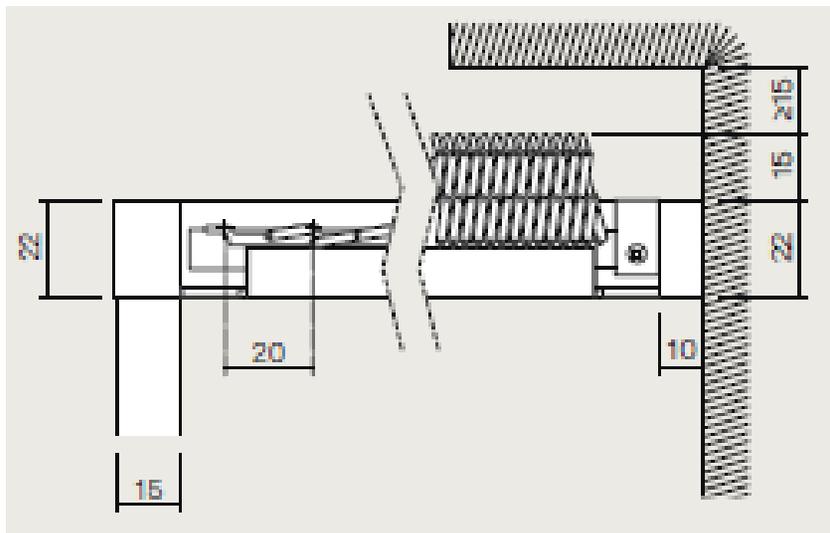
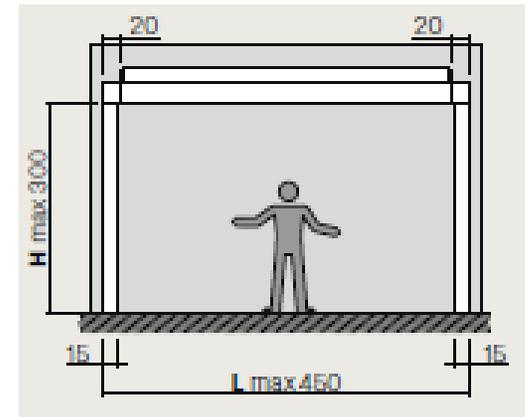


## BRERA "P" 02L: Mounted on width side con't

SIDE VIEW



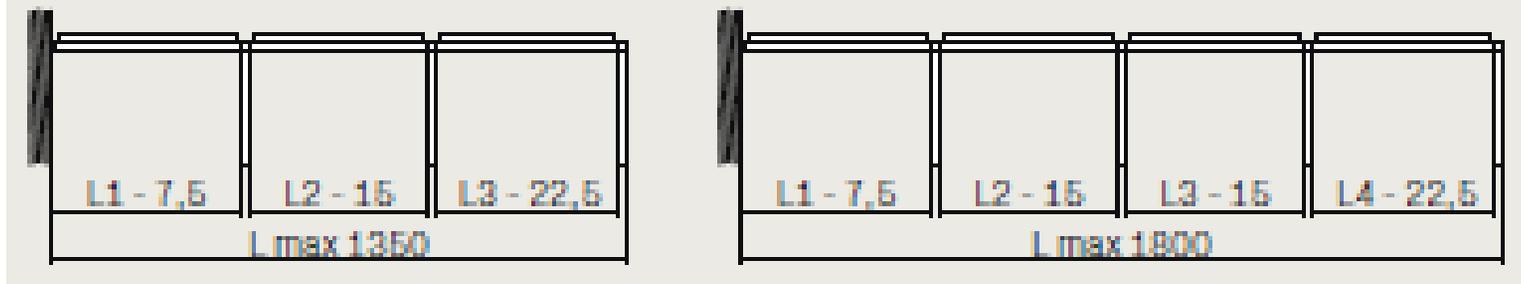
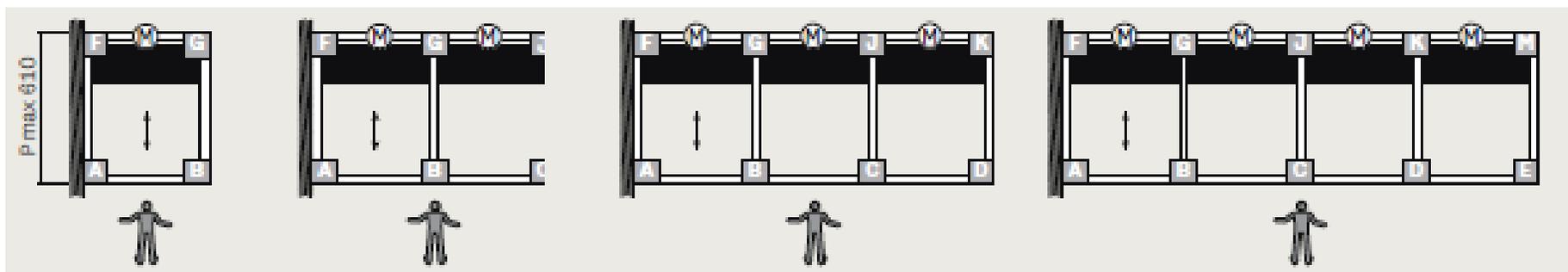
FRONT VIEW



Wall mounting

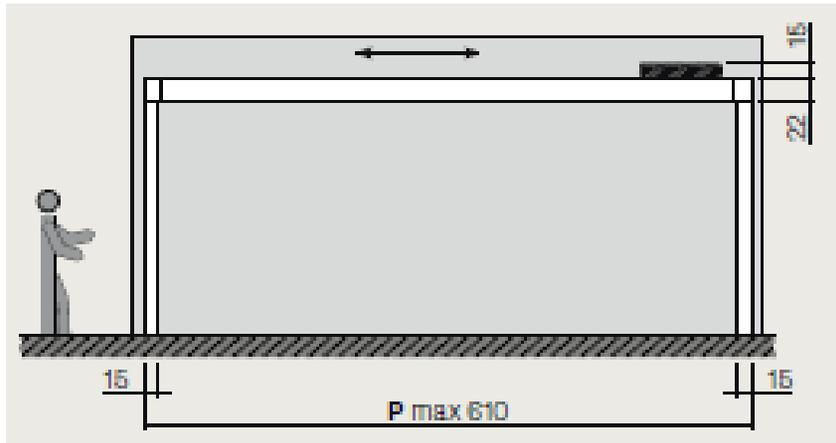
# BRERA

## “P” 03L: Mounted on projection side

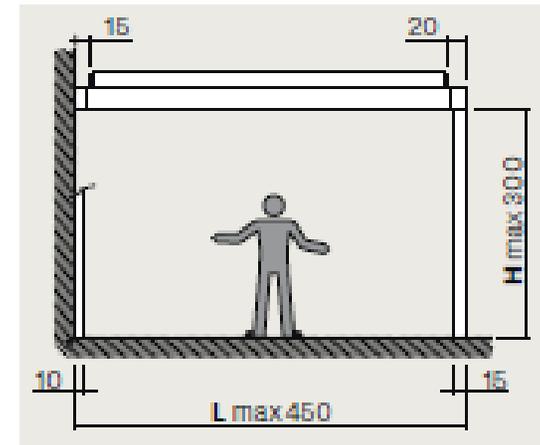


# BRERA "P" 03L: Mounted on projection side con't

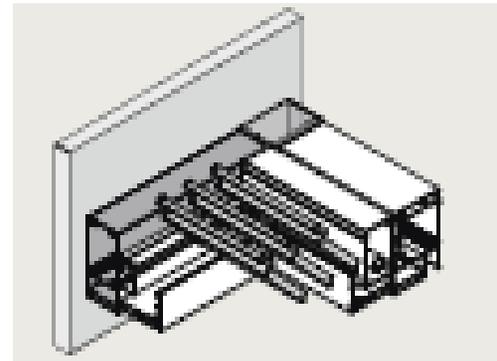
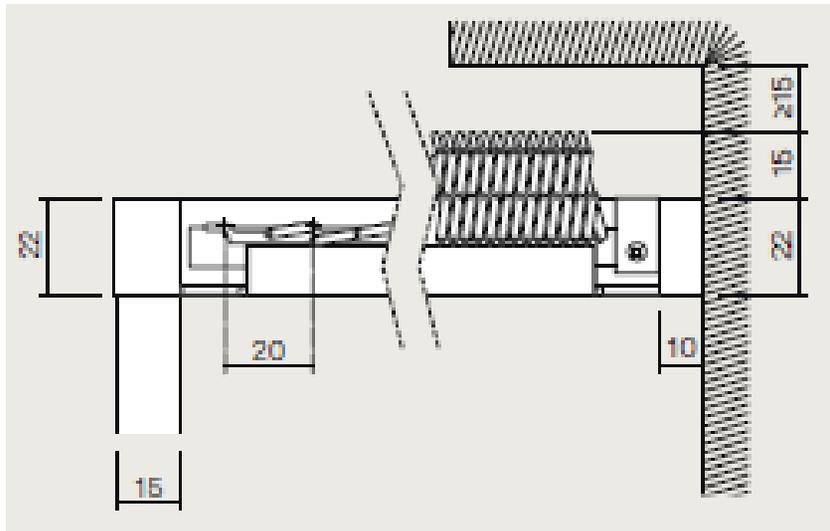
SIDE VIEW



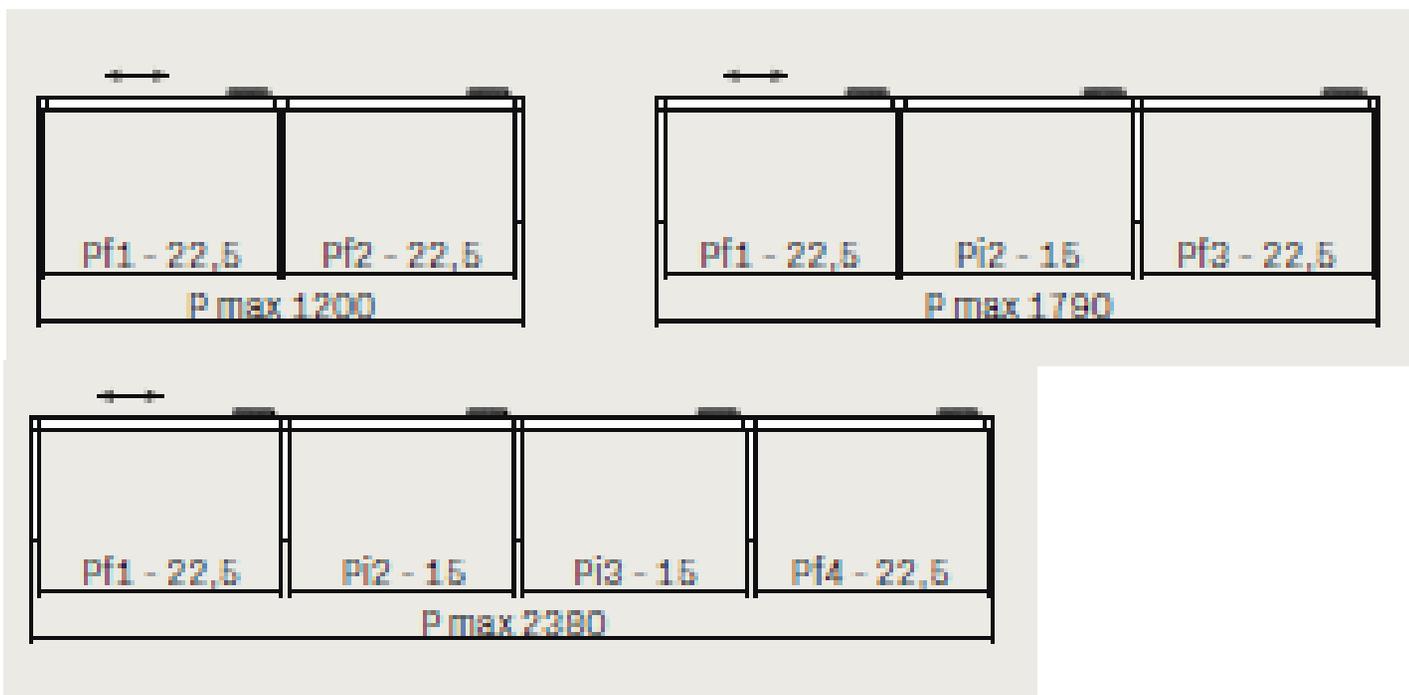
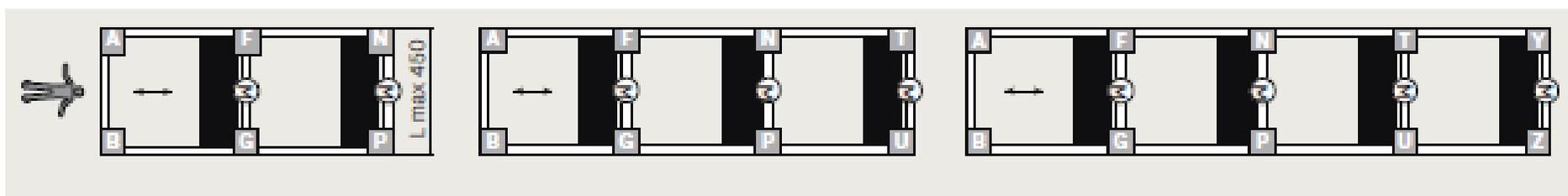
FRONT VIEW



10 x 15 profile added for Raso screens

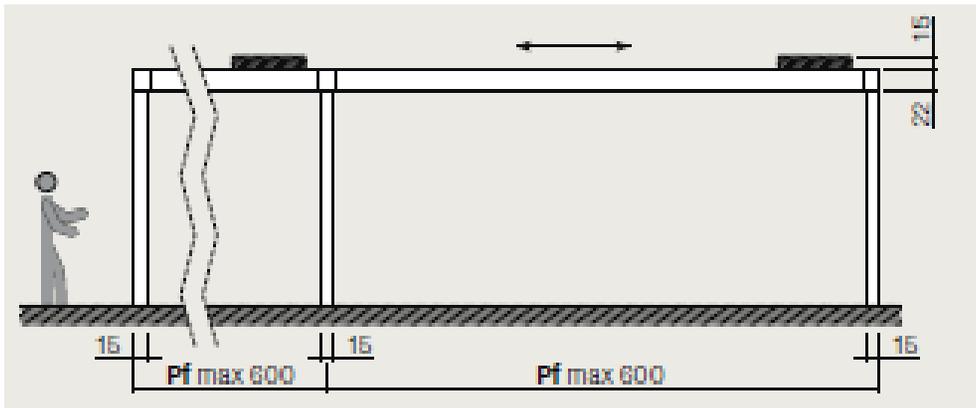


# BRERA "P" 01P: Free standing

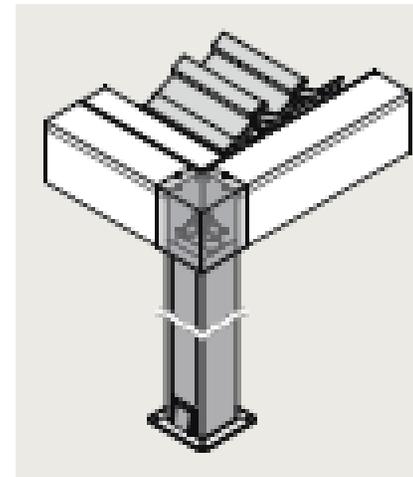
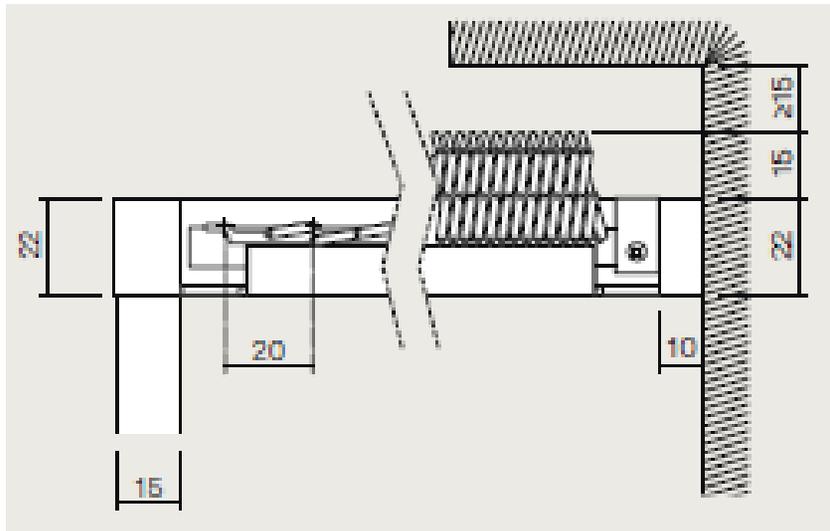
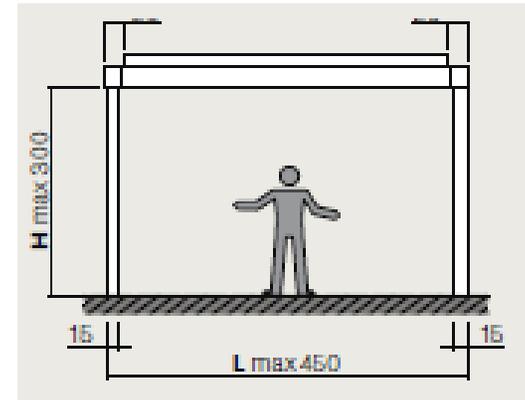


# BRERA "P" 01P: Free Standing con't

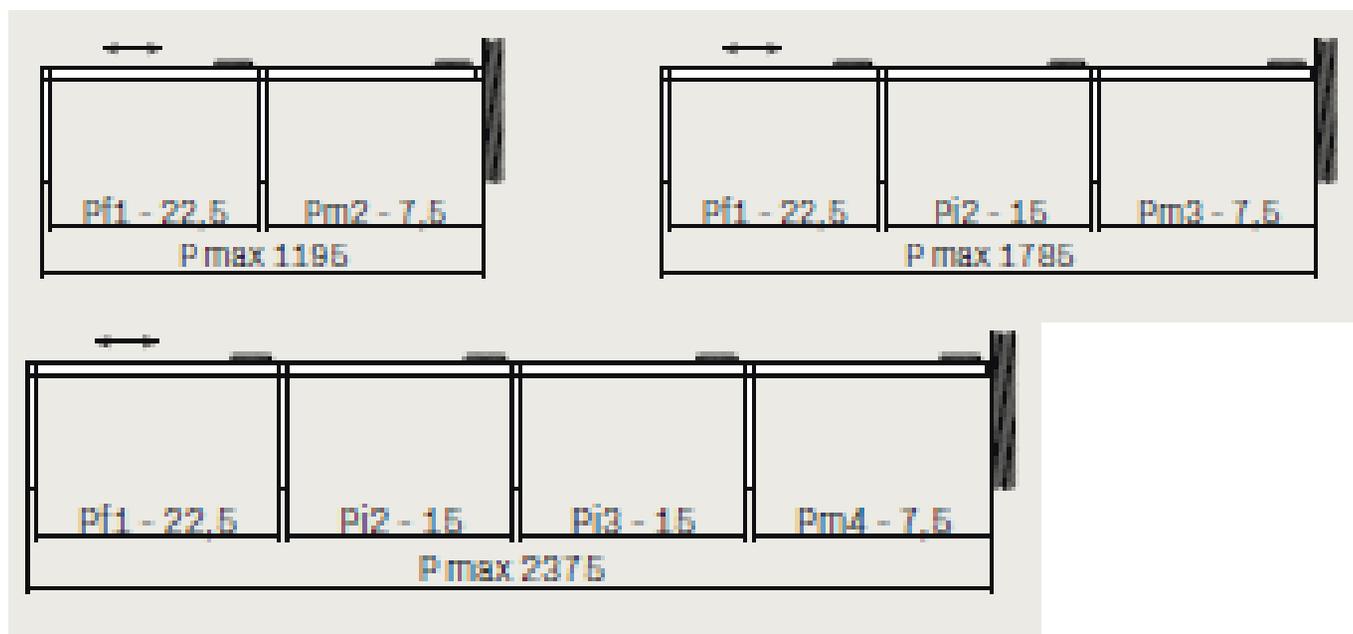
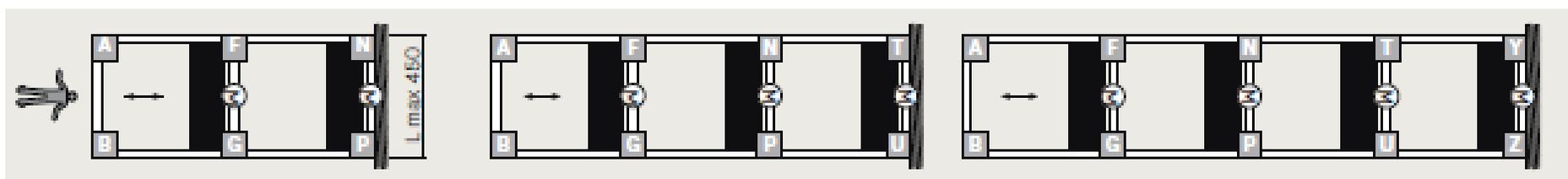
SIDE VIEW



FRONT VIEW

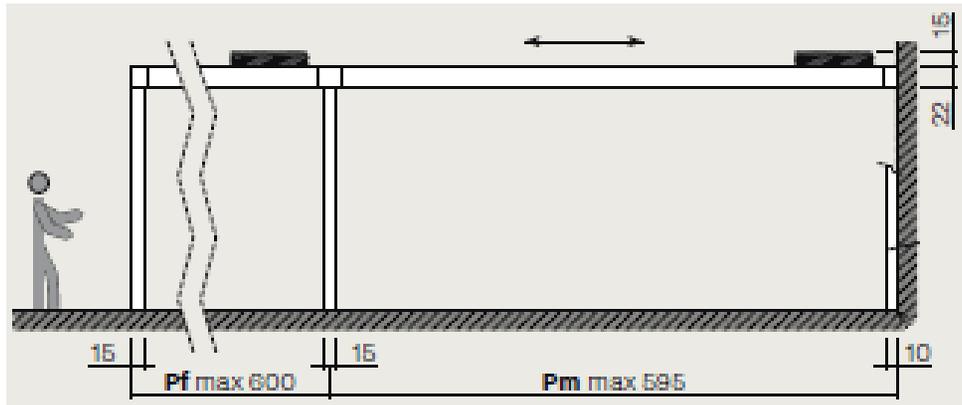


# BRERA "P" 02P: Mounted on width side

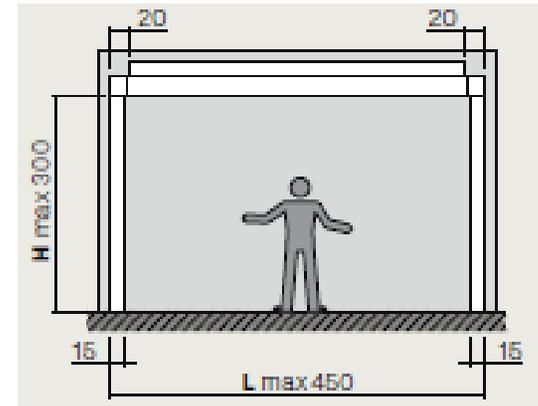


# BRERA "P" 02P: Mounted on width side con't

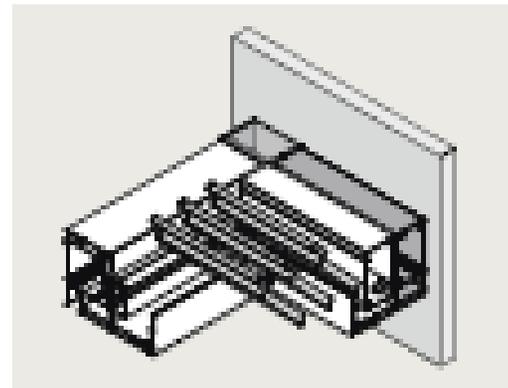
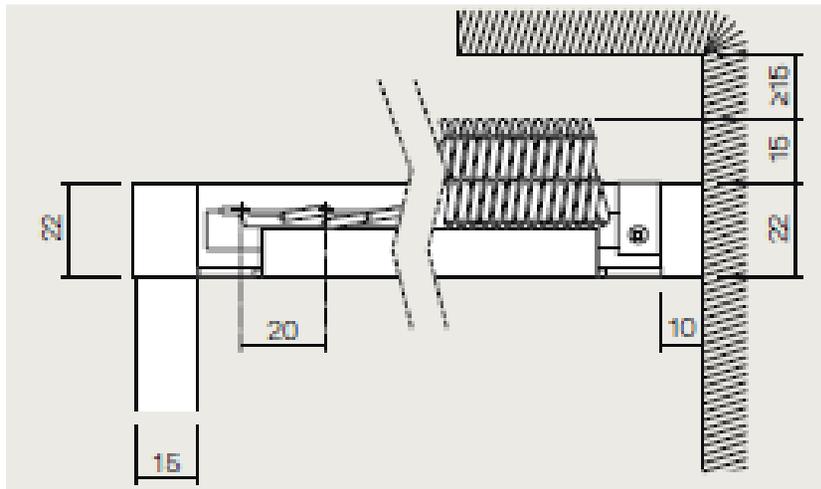
SIDE VIEW



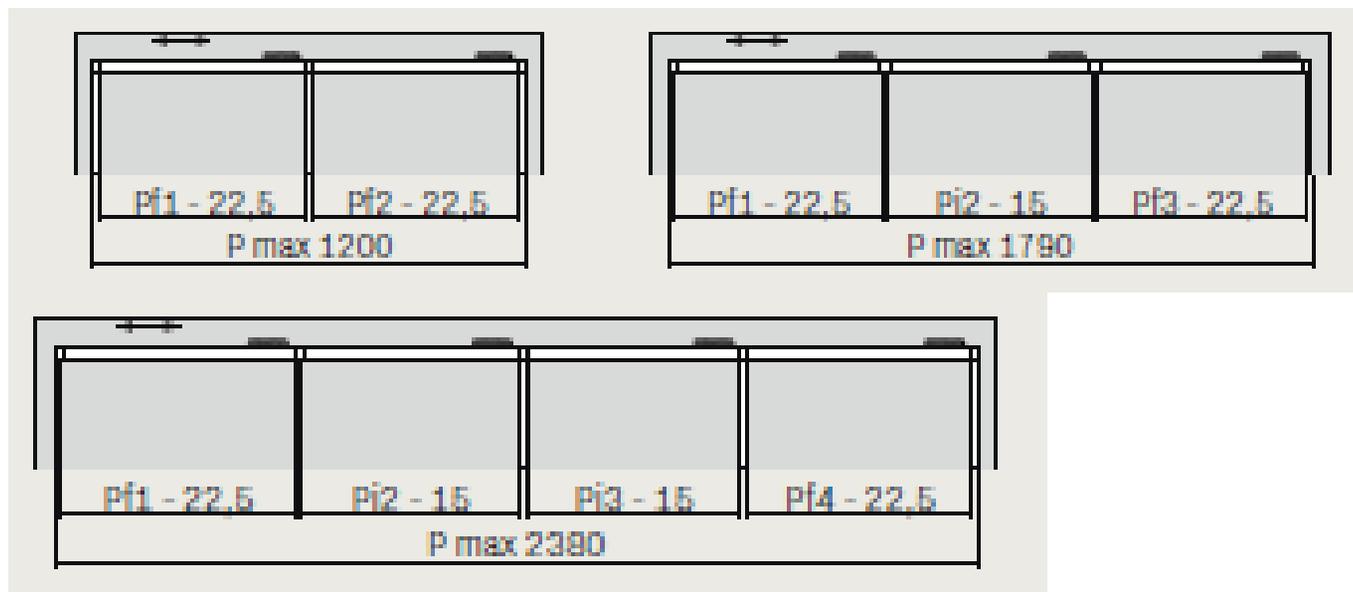
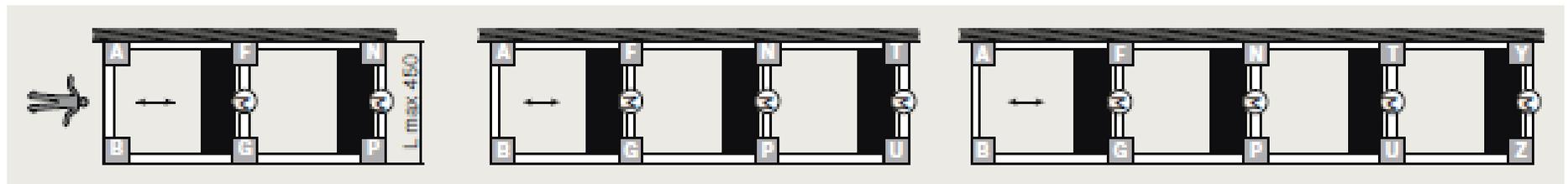
FRONT VIEW



10 x 15 profile added for Raso screens

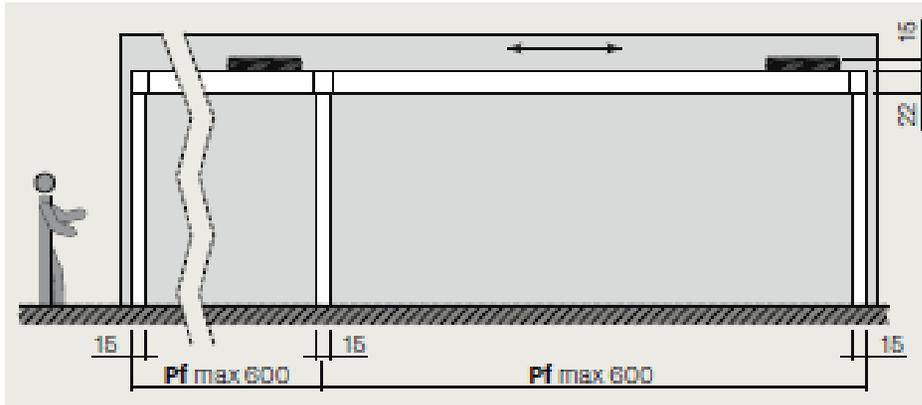


# BRERA "P" 03P: Mounted on projection side

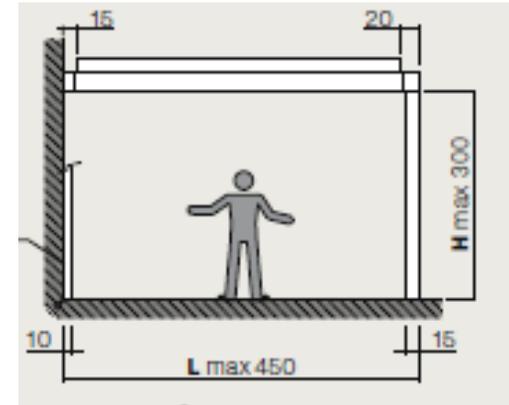


# BRERA "P" 03P: Mounted on projection side con't

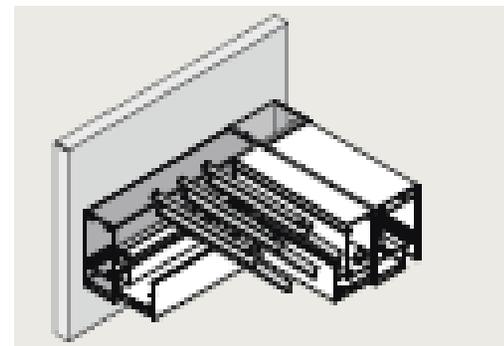
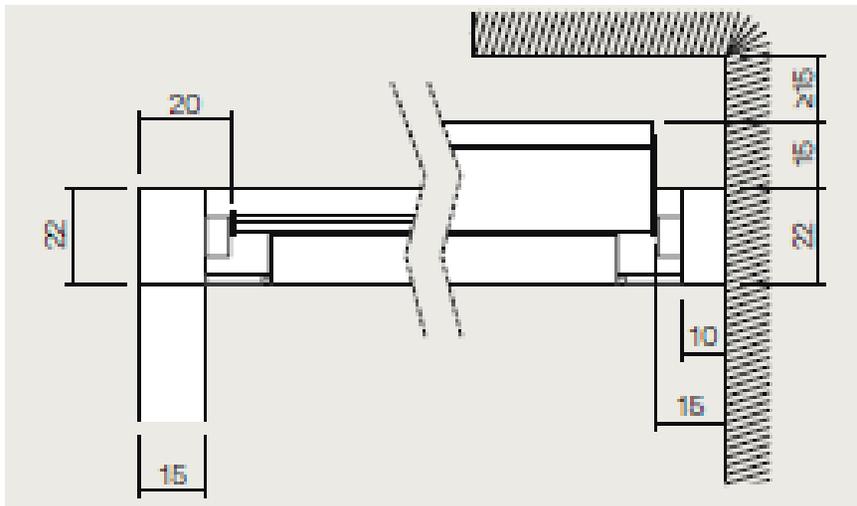
SIDE VIEW



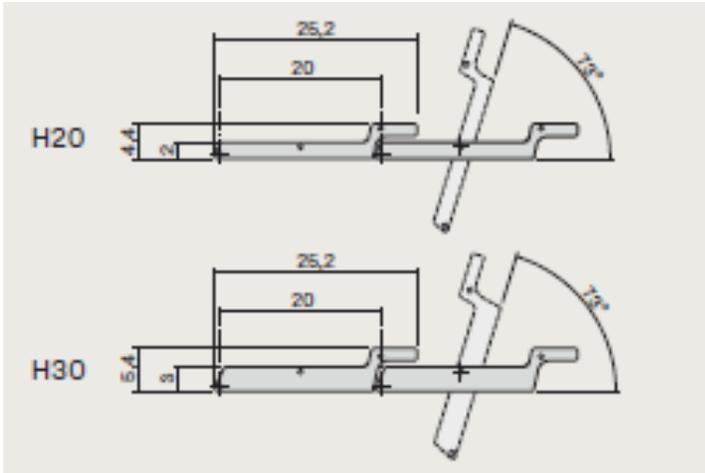
FRONT VIEW



10 x 15 profile added for Raso screens

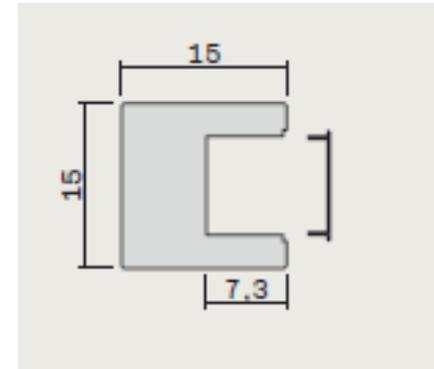
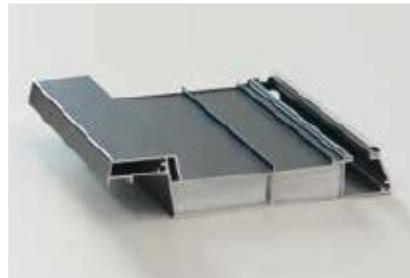


# BRERA P Louver / Technical details and dimensions continued.

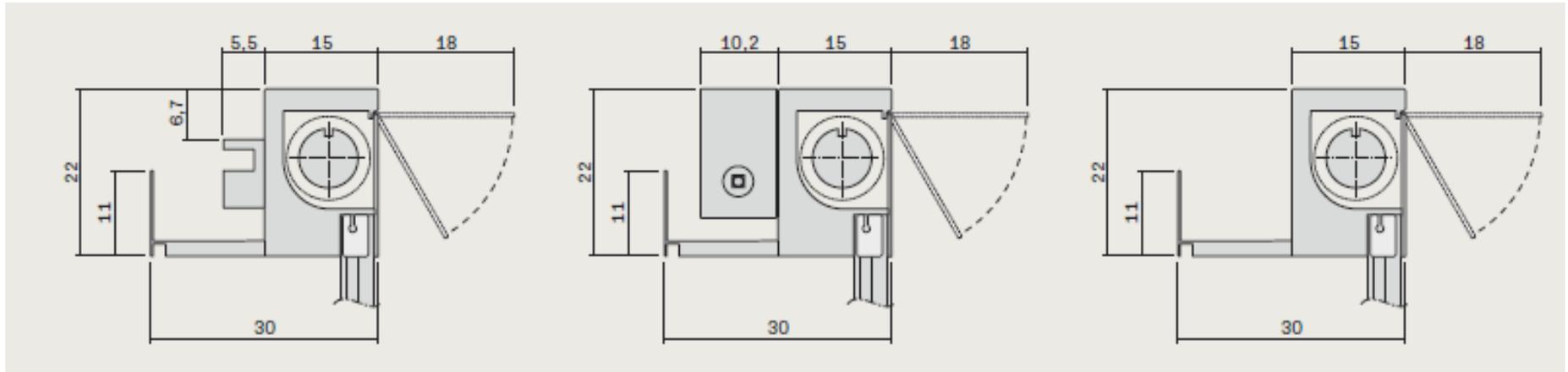


Blade / Louver Technical detail.

The thickness of the louver used H20 vs. H30 will depend on pergola unit width.



Post Technical detail.

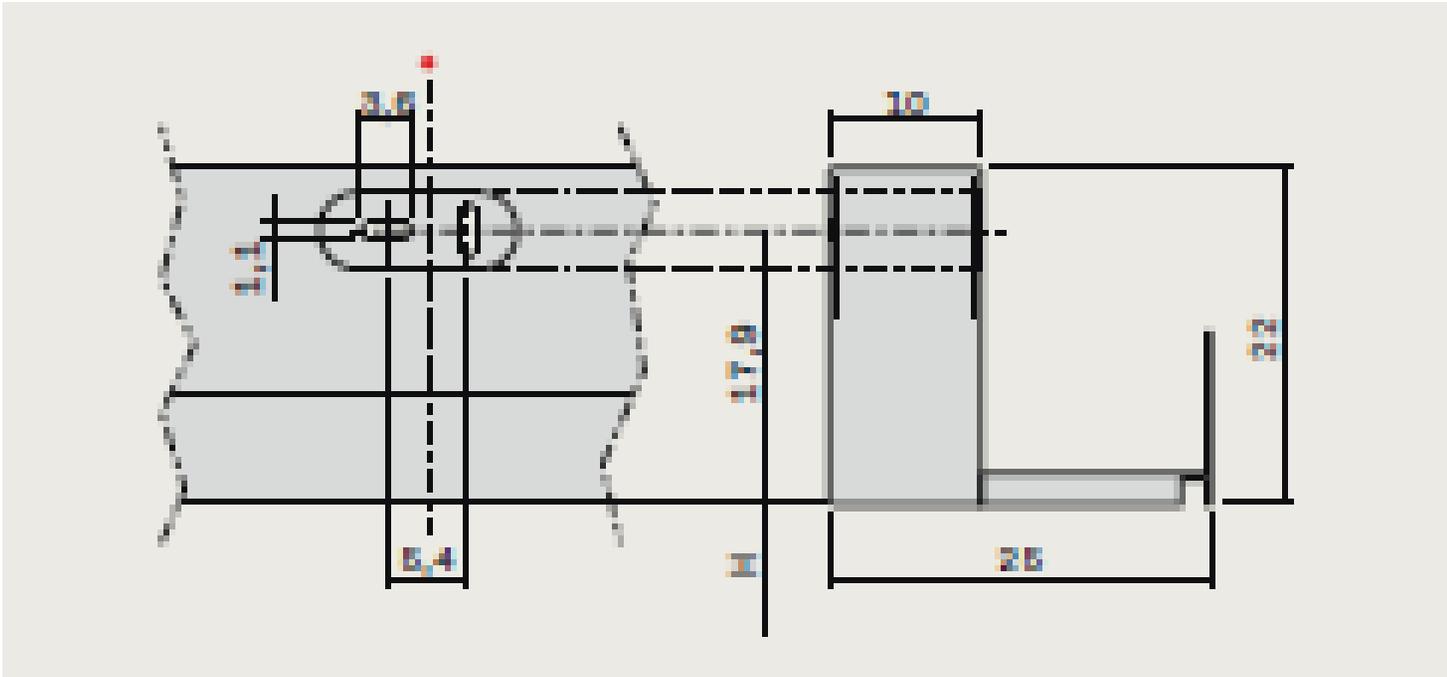


Support. Projection Profile

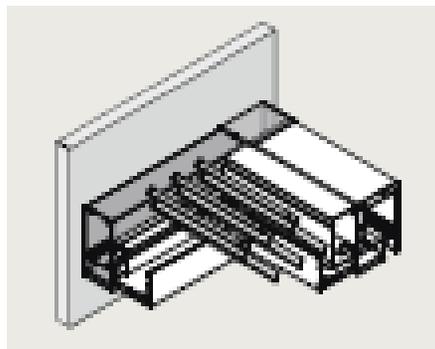
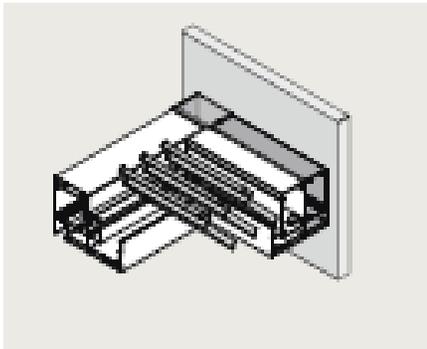
Support. Motor Profile Width Profile.

Support. Front Profile

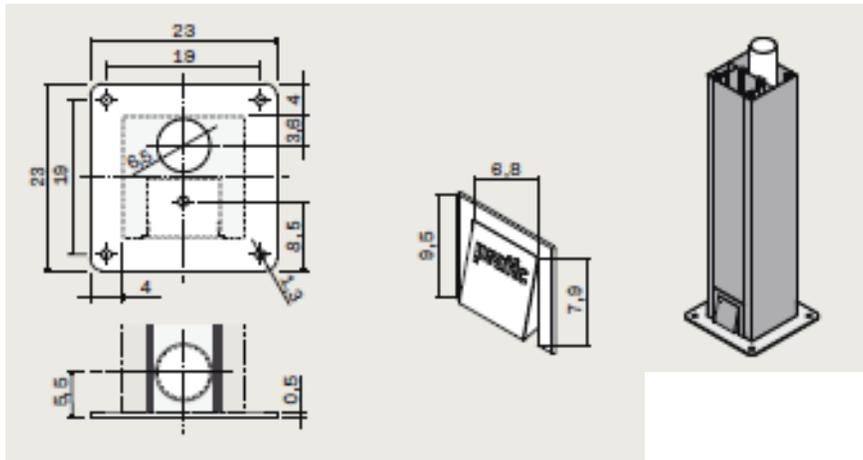
## Brera P / Technical details and dimensions.



Details of WALL mounting points.

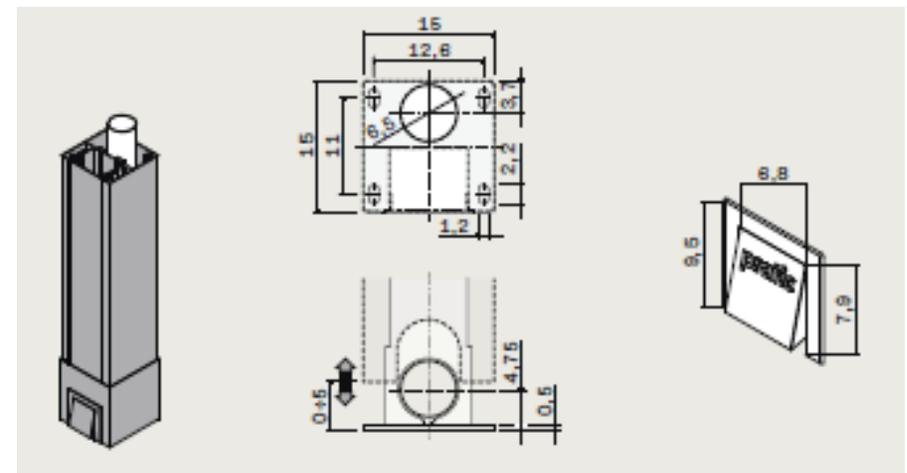


## BRERA P Post Technical details and dimensions continued.



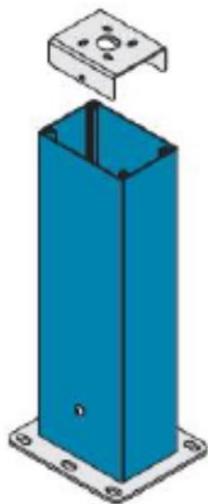
### STANDARD FOOT PLATE

Standard post feet. Standard height is 90" (230 cm). Above 230 cm is an upcharge  
Maximum available Brera post height is 118" / 300 cm.

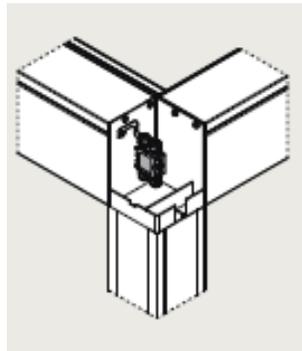


### TELESCOPING FOOT PLATE

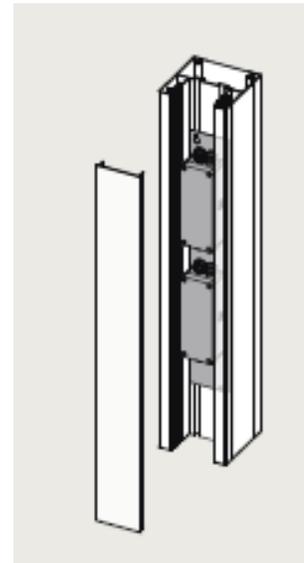
Optional telescoping feet up to 5 cm ( 2").  
These are ideal on uneven surfaces and should be ordered if RASO screens are configured with the unit.



Additional posts  
with standard feet.

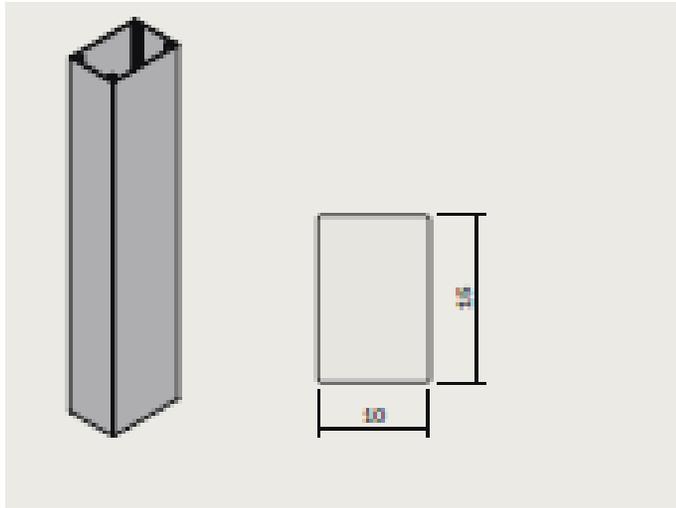


Preassembled water  
tight boxes in the  
corners.

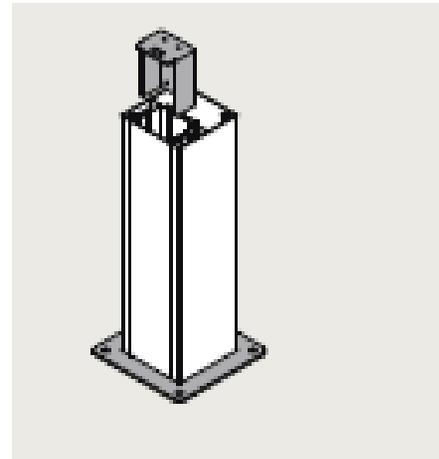


Electrical control unit and  
wiring in designated post.

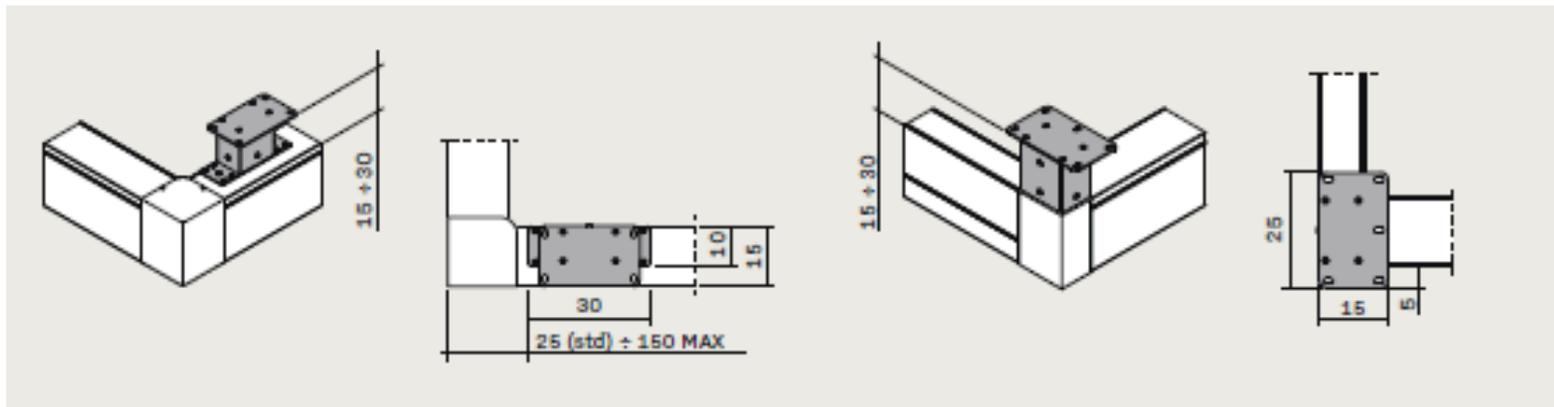
## BRERA P Post Technical details and dimensions continued.



10 x 15 cm compensation profile for Raso screens.

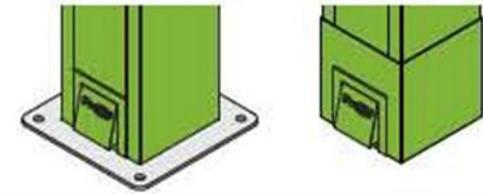
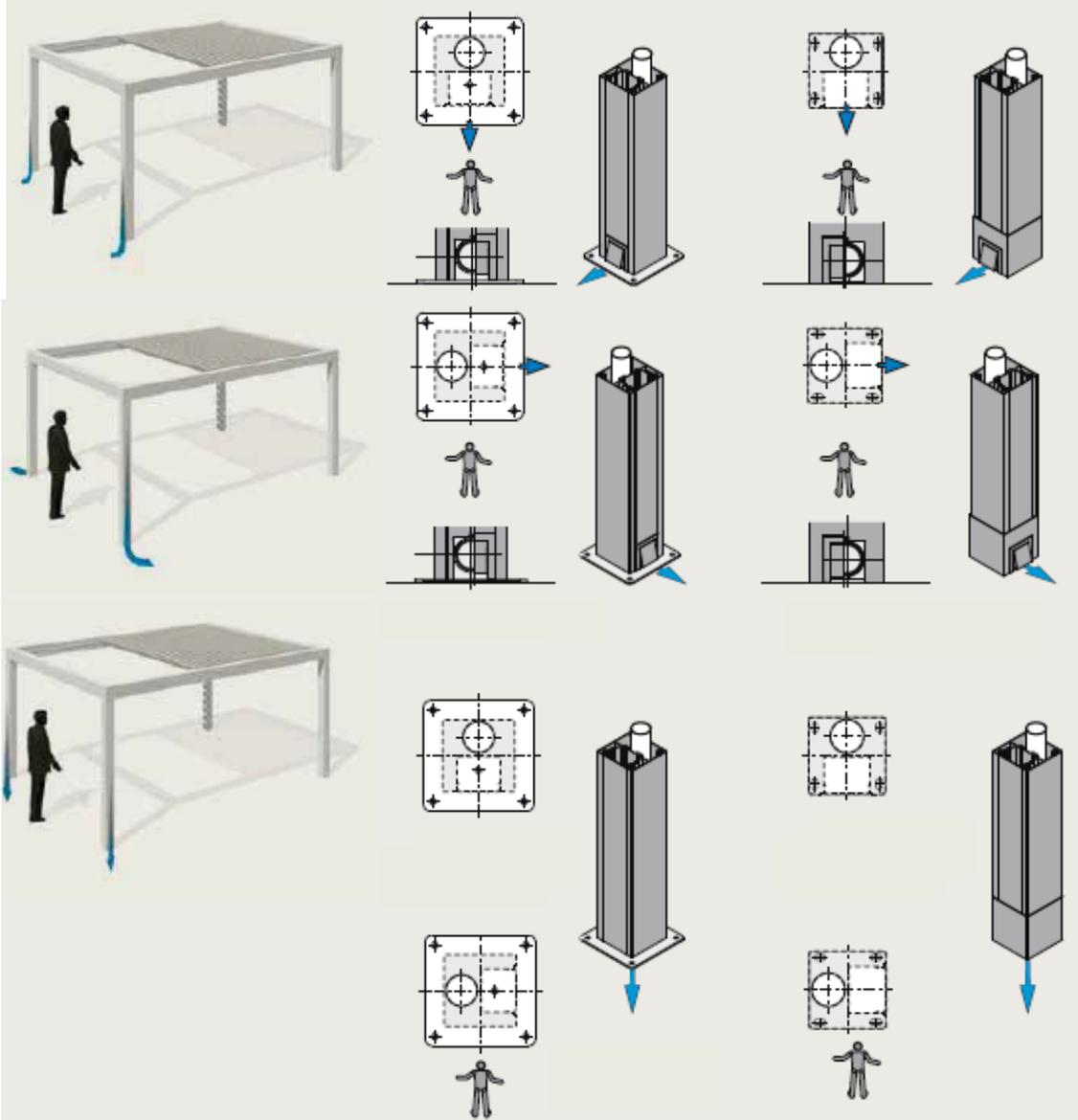


Additional Upright post.



Ceiling mount support brackets. Minimum 15 cm and maximum 30 cm high.

## Brera P water drainage details.

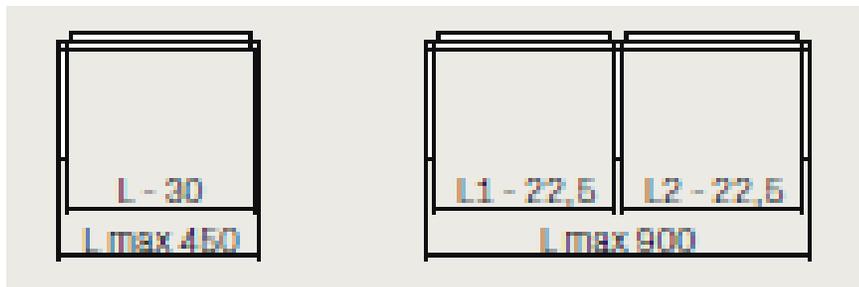
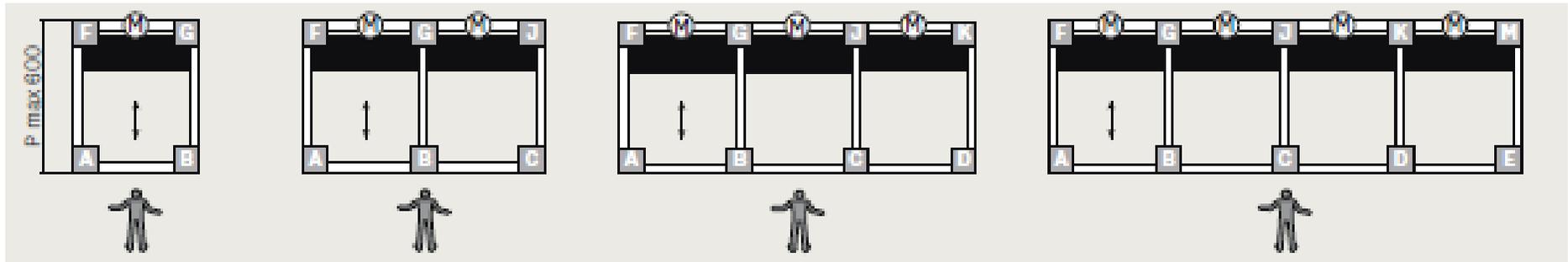
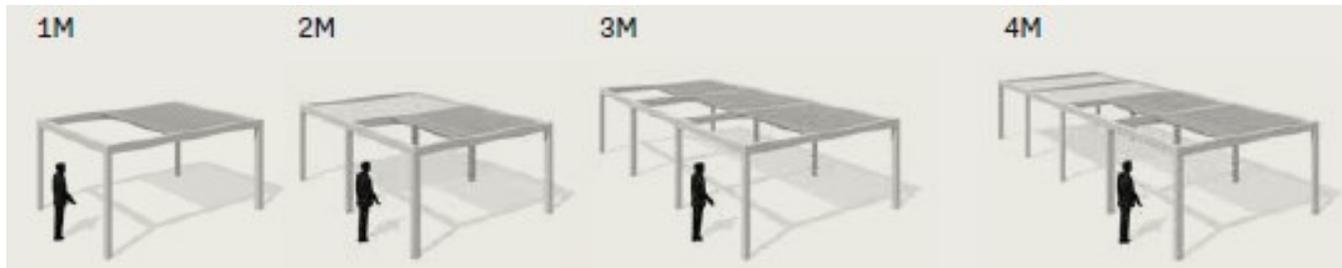


Scupper water discharge / flap is supplied in plastic can not be painted.

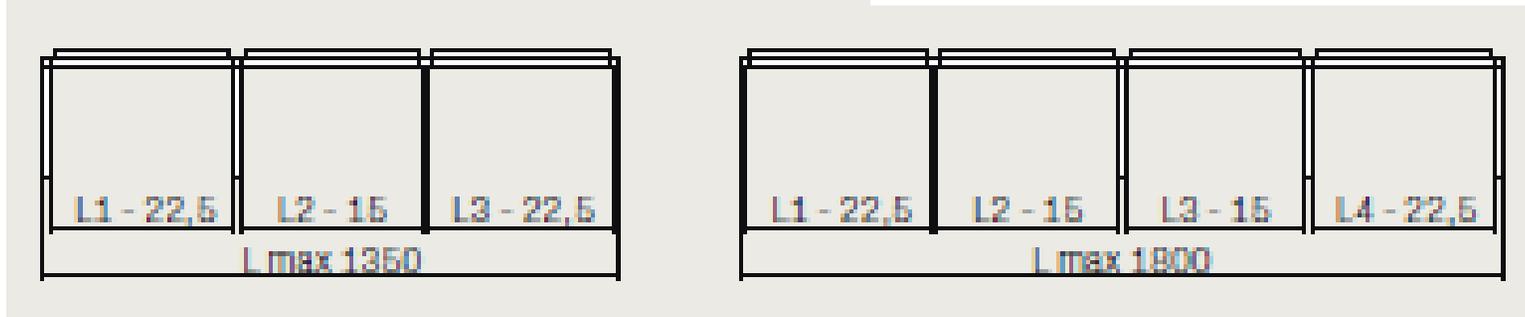
**Note:** you just make bottom of the post even with the decking or patio surface pavers (Do not add pavers around perimeter as they will block the discharge out the sides).

**NOTE:** The BRERA Louvers are flat so drainage points are ideally located on each side the Pergola module. Two drainage points per module is minimum (More than two is better).

# BRERA "S" 01L: Free standing

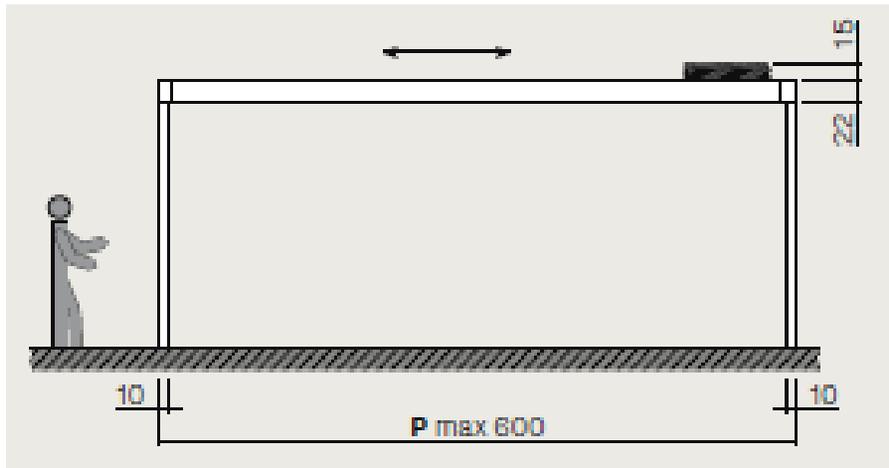


Note: Raso screens not available with Brera S version

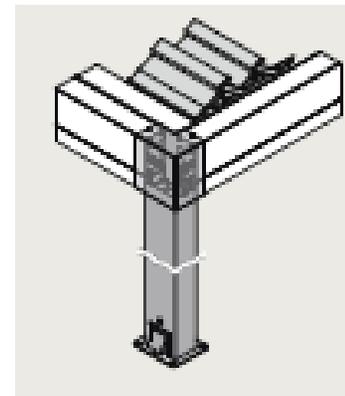
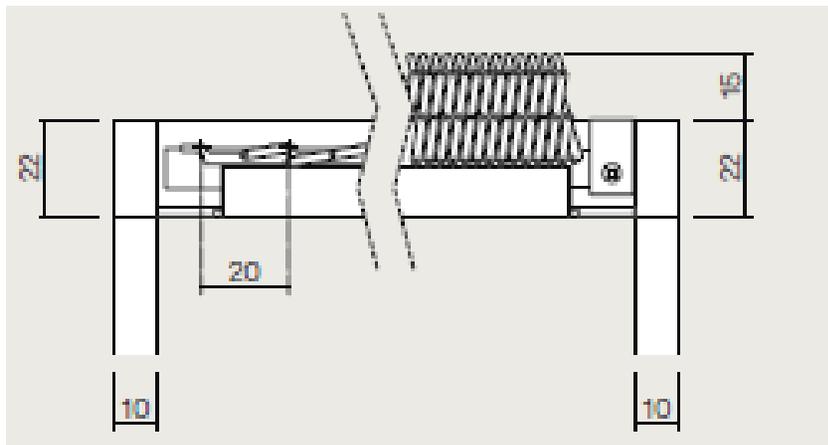
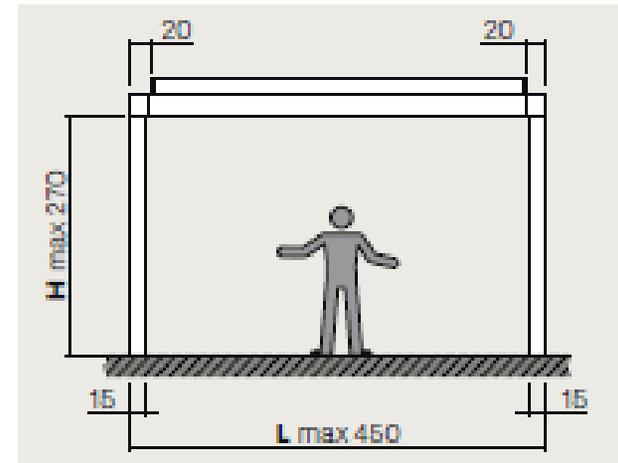


# BRERA "S" 01L: Free standing con't.

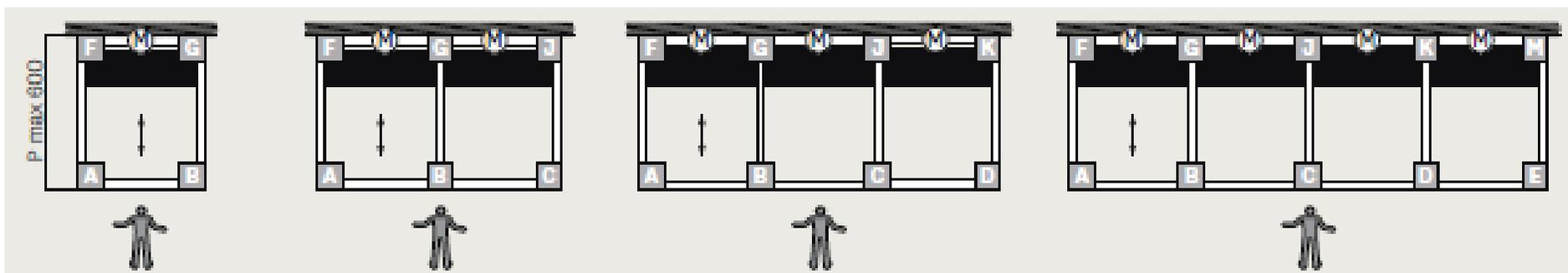
SIDE VIEW



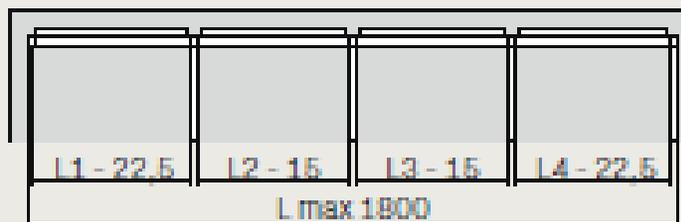
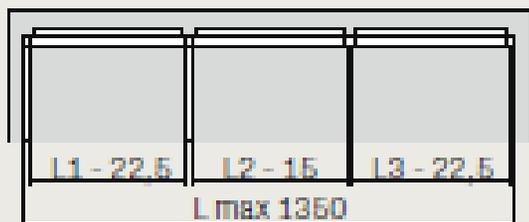
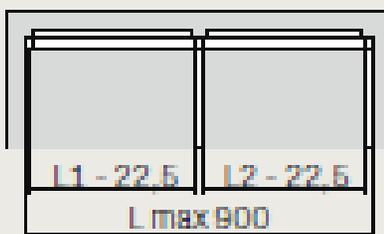
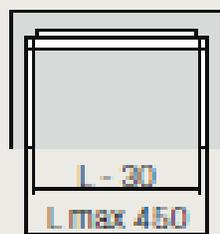
FRONT VIEW



# BRERA "S" 02L: Mounted to wall on width side

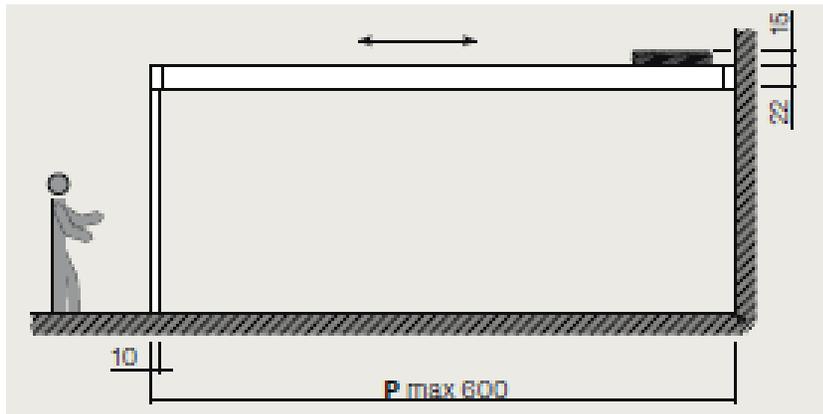


Note: Raso screens not available with Brera S version

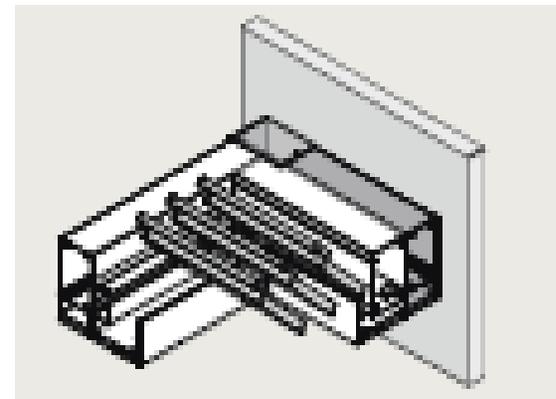
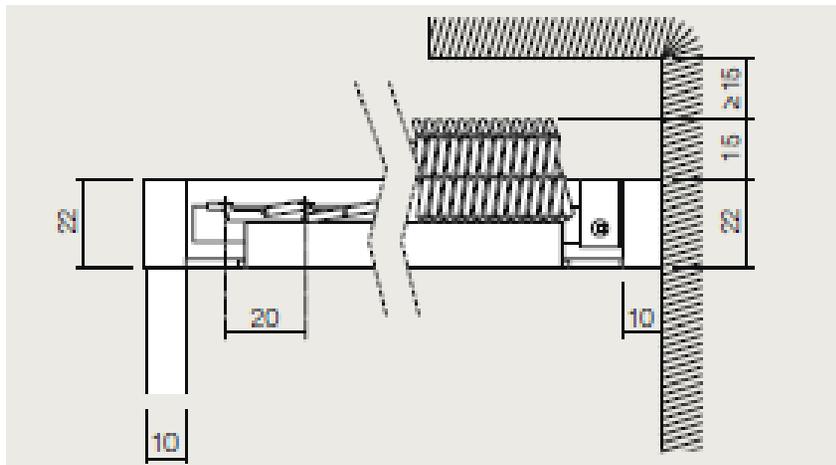
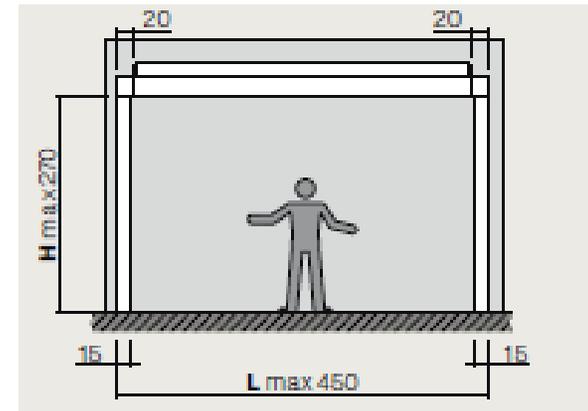


## BRERA "S" 02L: Wall mounted on width con't.

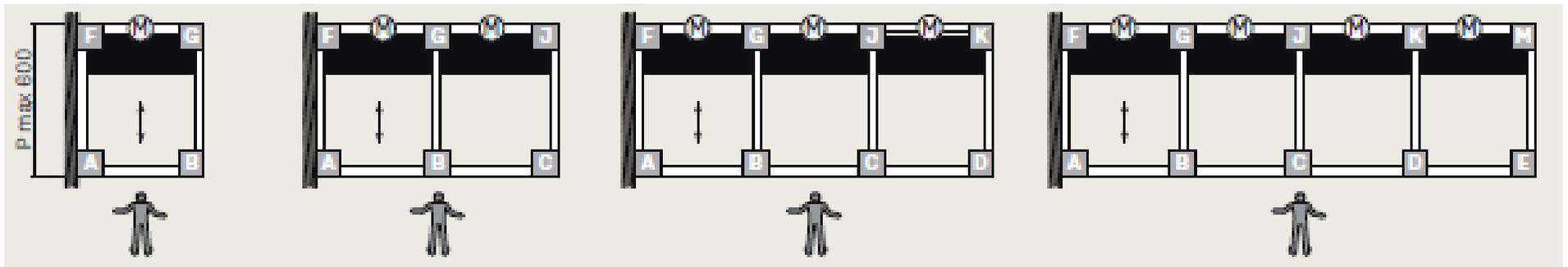
SIDE VIEW



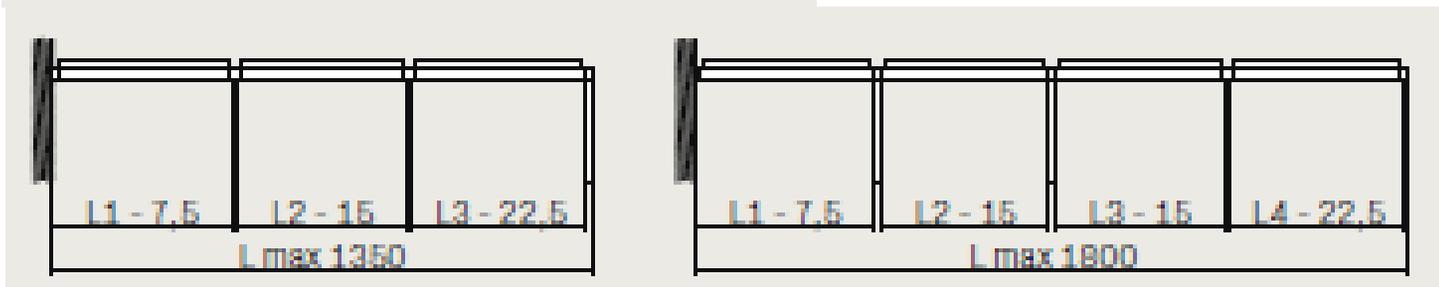
FRONT VIEW



# BRERA "S" 03L: Mounted to wall on projection side

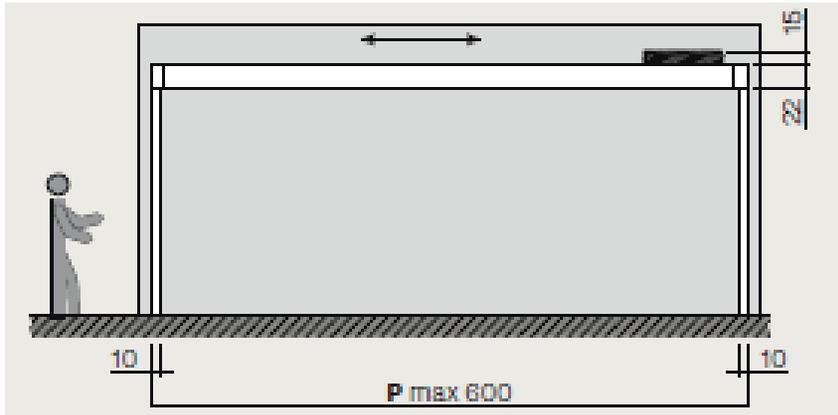


Note: Raso screens not available with Brera S version

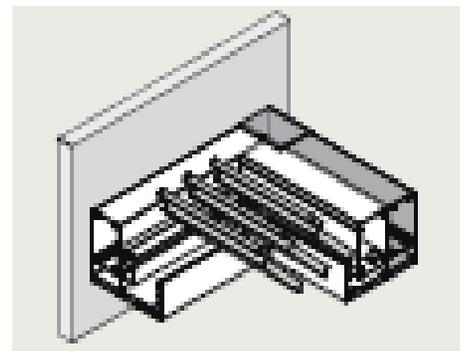
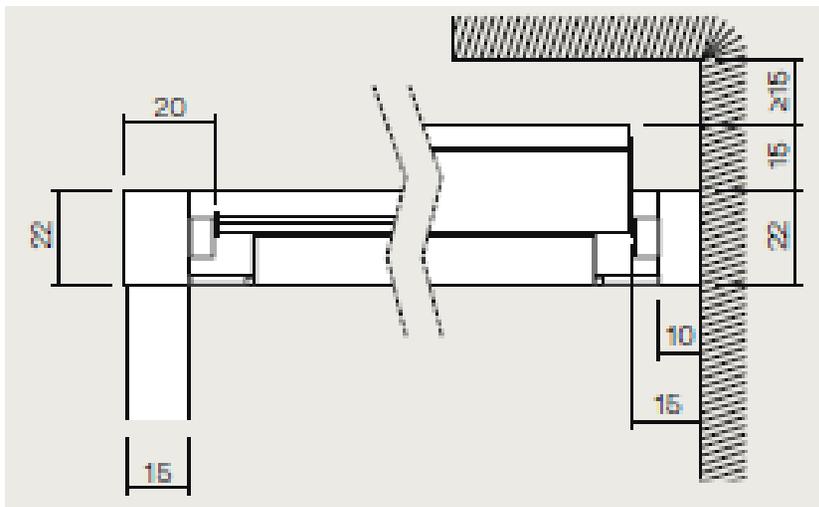
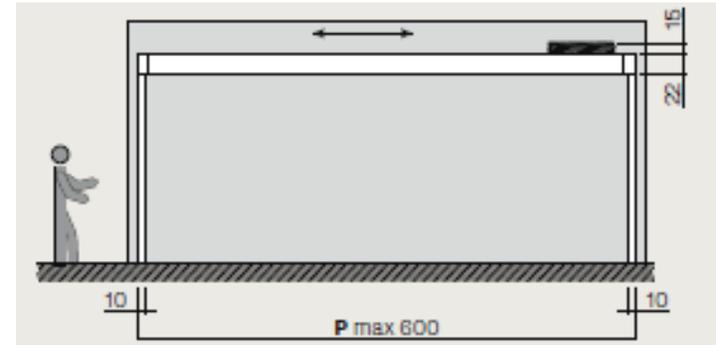


# BRERA "S" 03L: Wall mounted on projection con't.

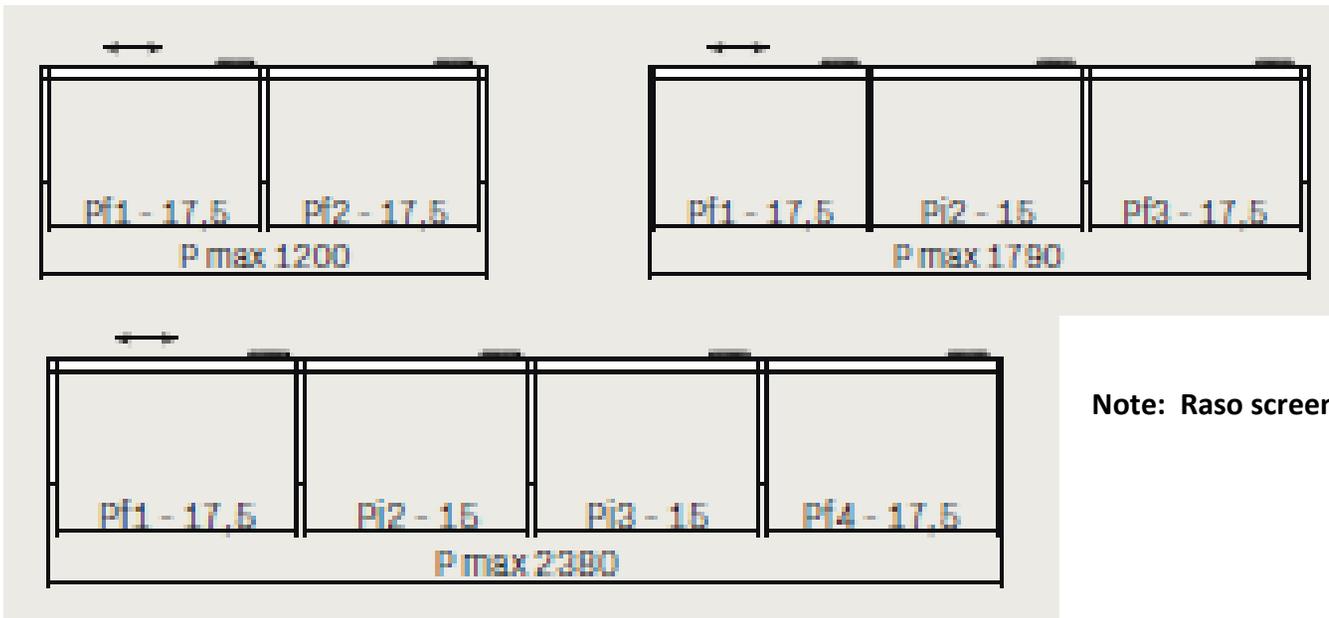
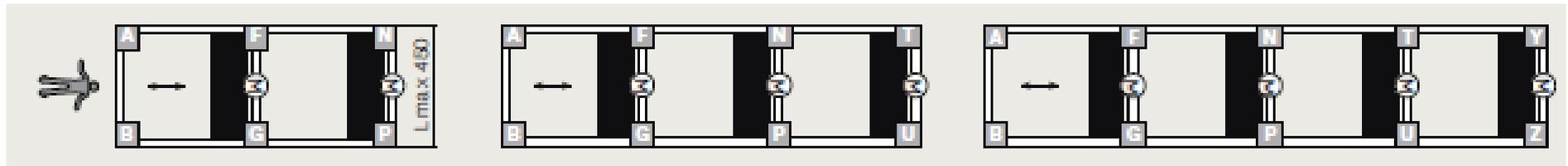
SIDE VIEW



FRONT VIEW



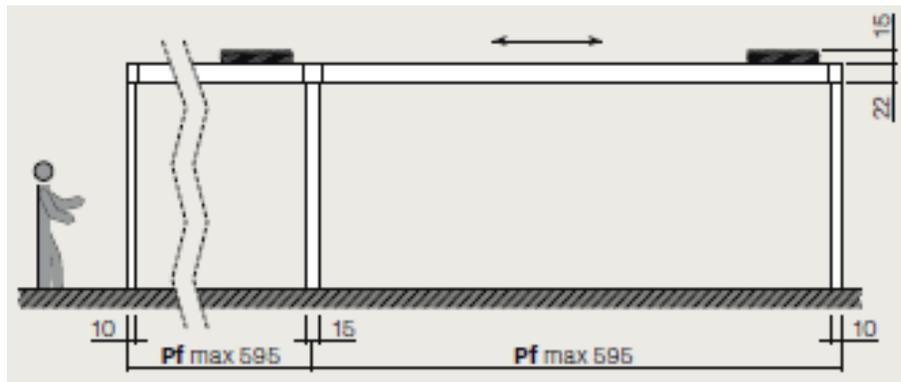
# BRERA "S" 01P: Free Standing



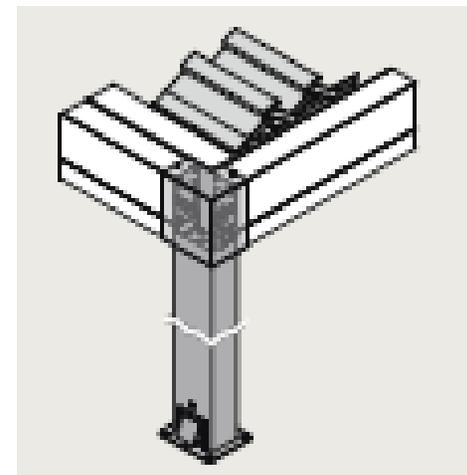
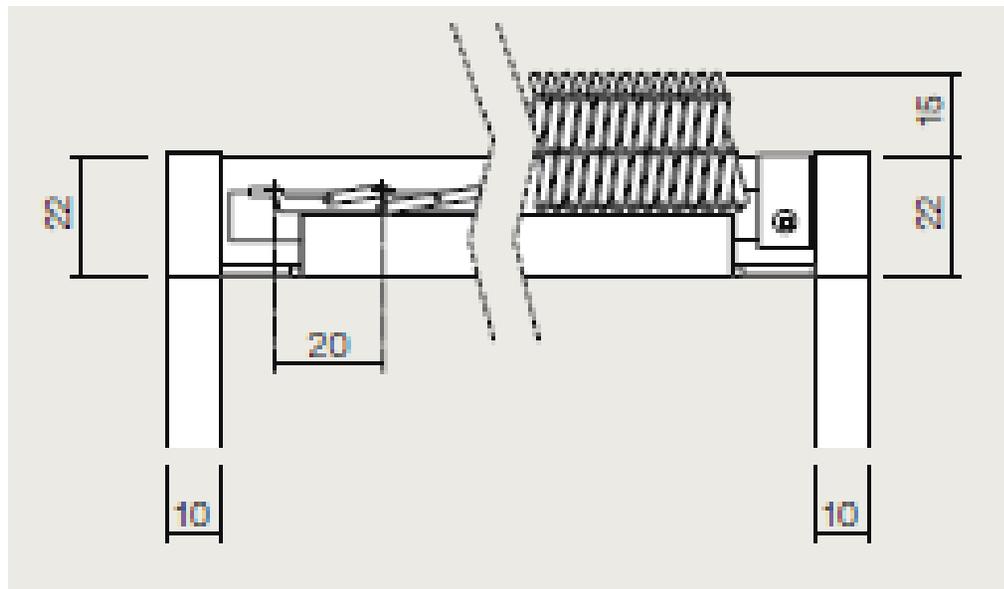
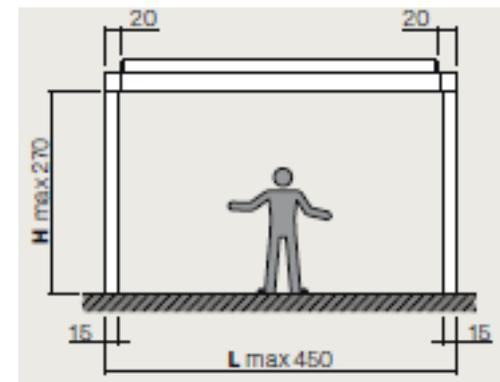
Note: Raso screens not available with Brera S version

# BRERA "S" 01P: Free Standing con't.

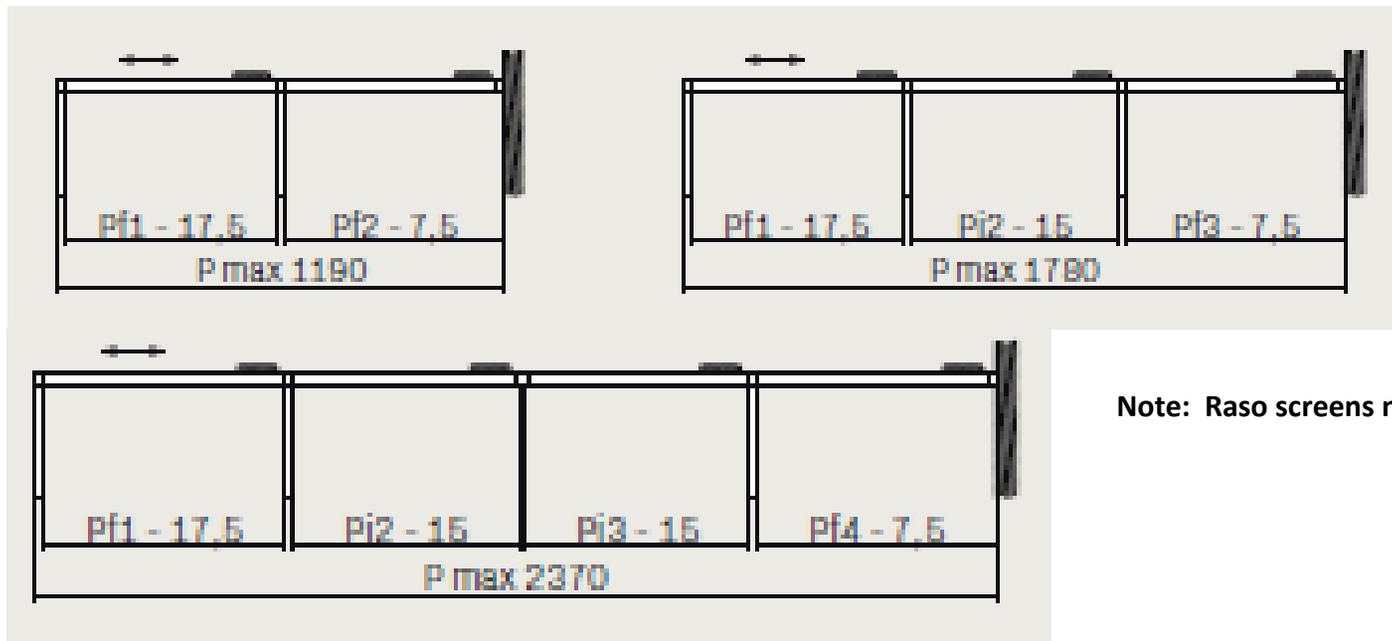
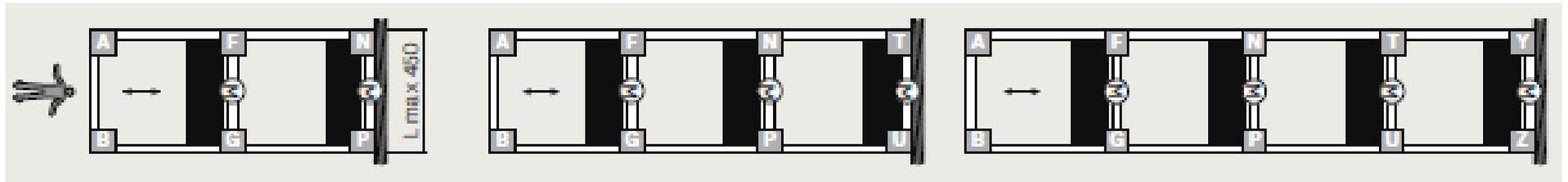
SIDE VIEW



FRONT VIEW



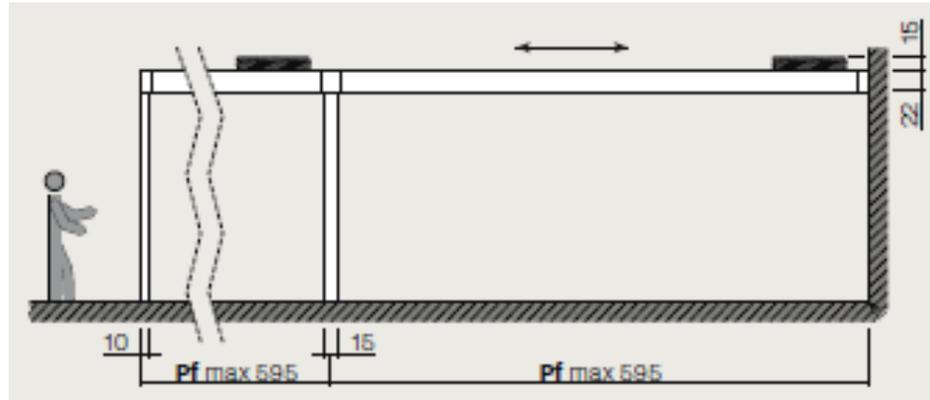
# BRERA "S" 02P: Wall Mounted on Width Side



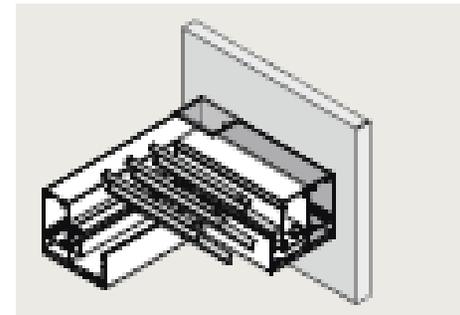
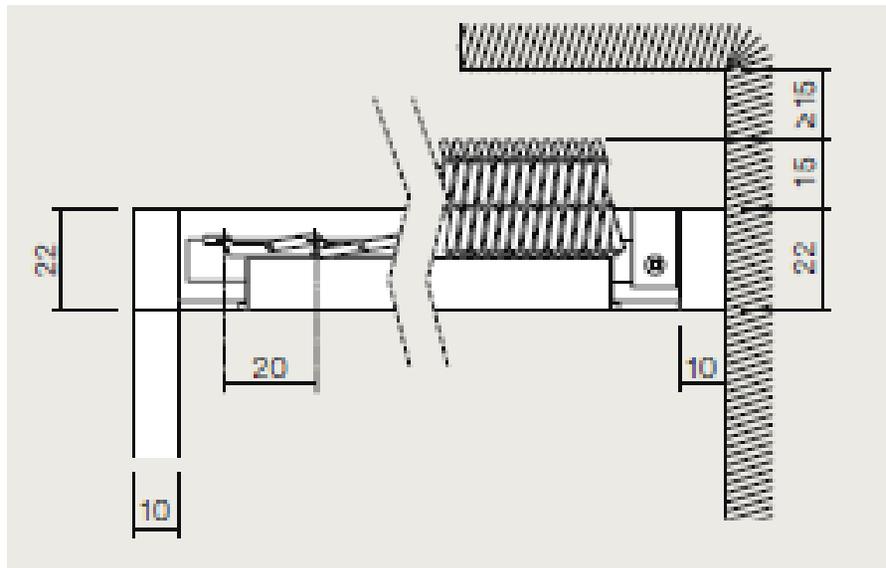
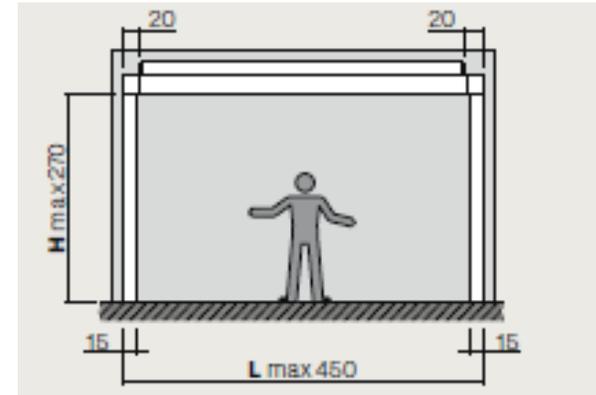
Note: Raso screens not available with Brera S version

## BRERA "S" 02P: Wall Mounted on Width Side con't.

SIDE VIEW

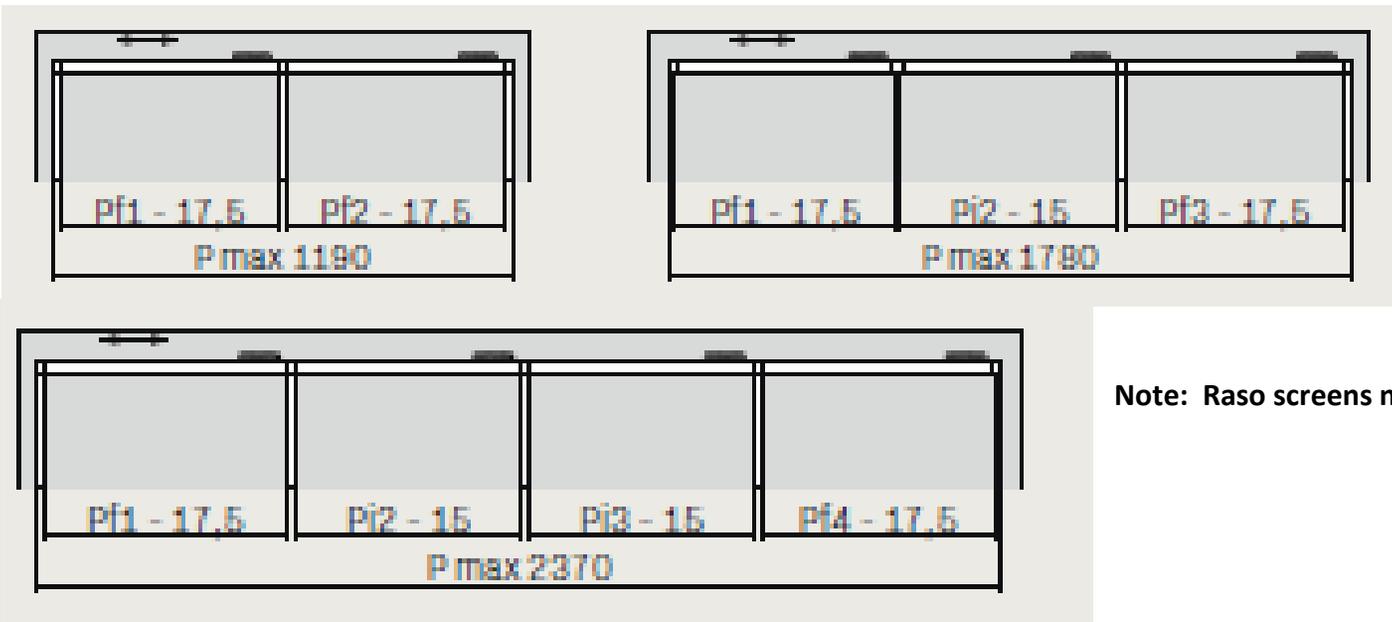
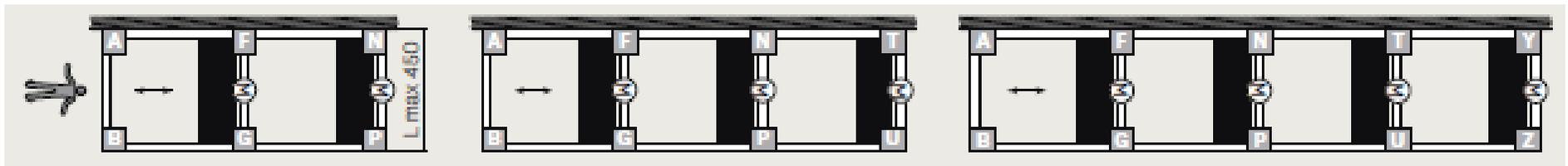


FRONT VIEW



# BRERA

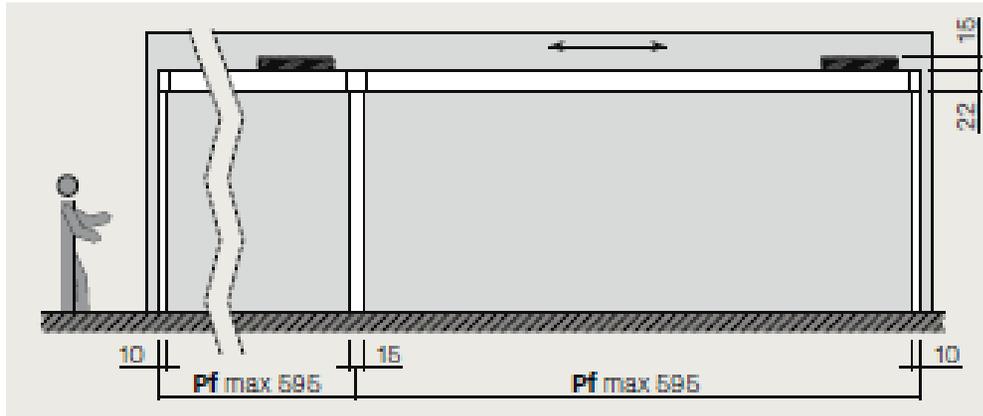
## “S” 03P: Wall Mounted on Projection Side



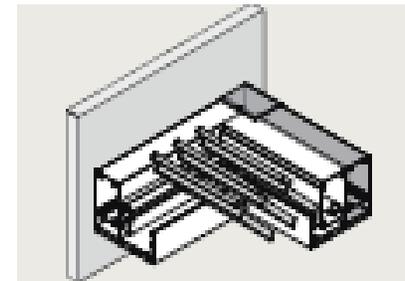
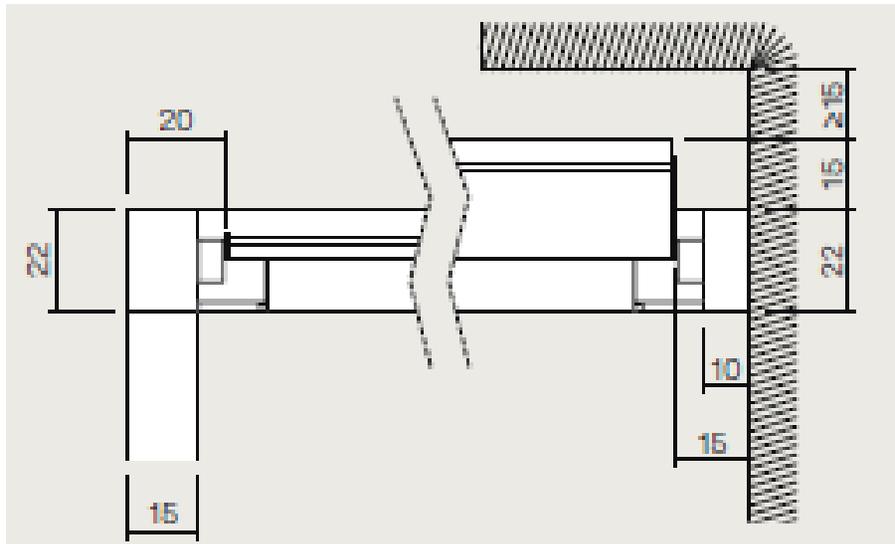
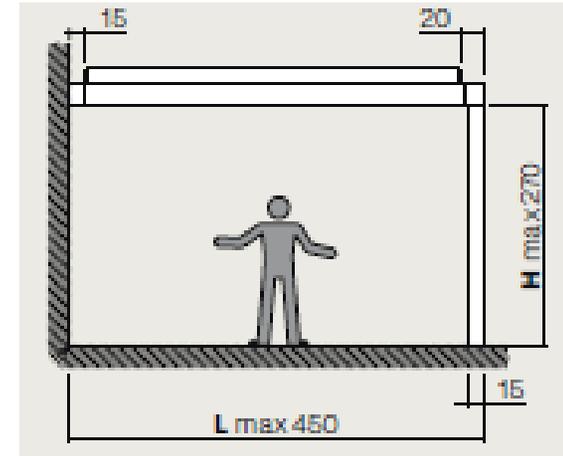
Note: Raso screens not available with Brera S version

## BRERA "S" 03P: Wall Mounted on Projection Side con't.

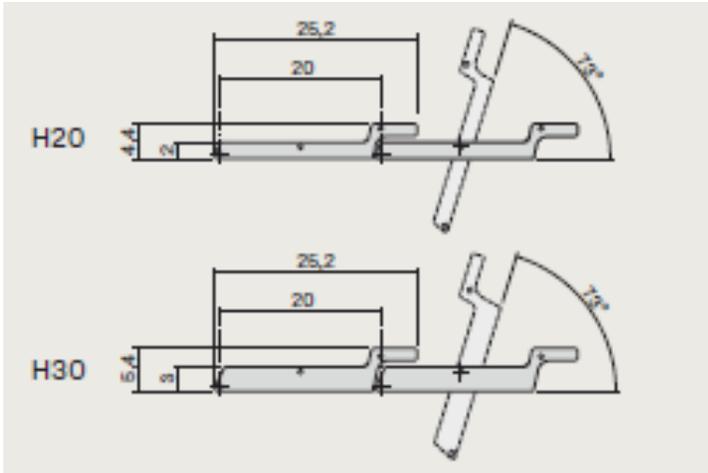
SIDE VIEW



FRONT VIEW

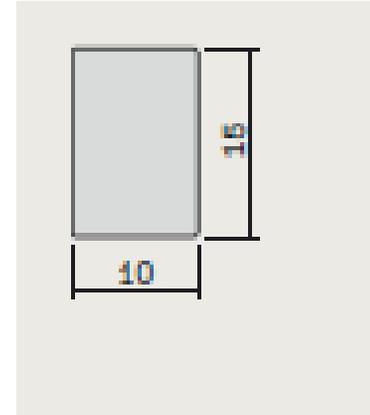


# BRERA S Louver / Post Technical details and dimensions continued.

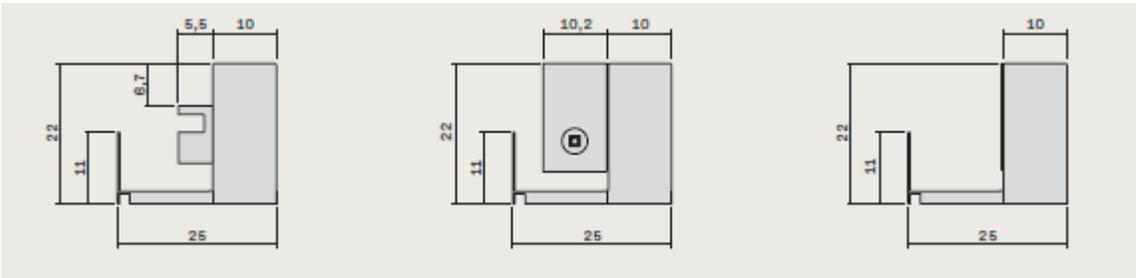


Blade / Louver Technical detail.

The thickness of the louver used H20 vs. H30 will depend on pergola unit width.



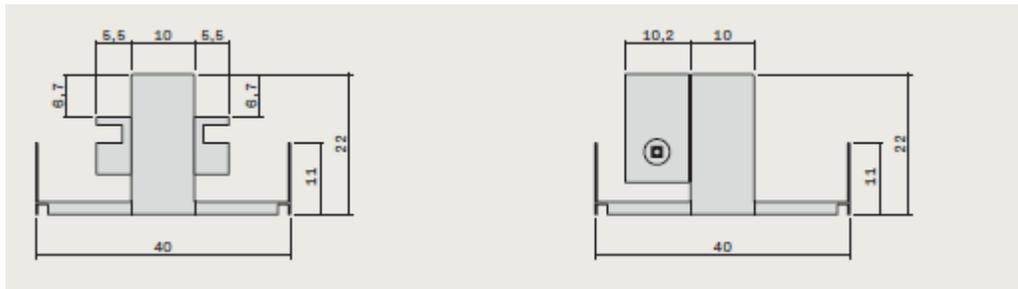
Post Technical detail.



Projection Profile

Width Profile Motor

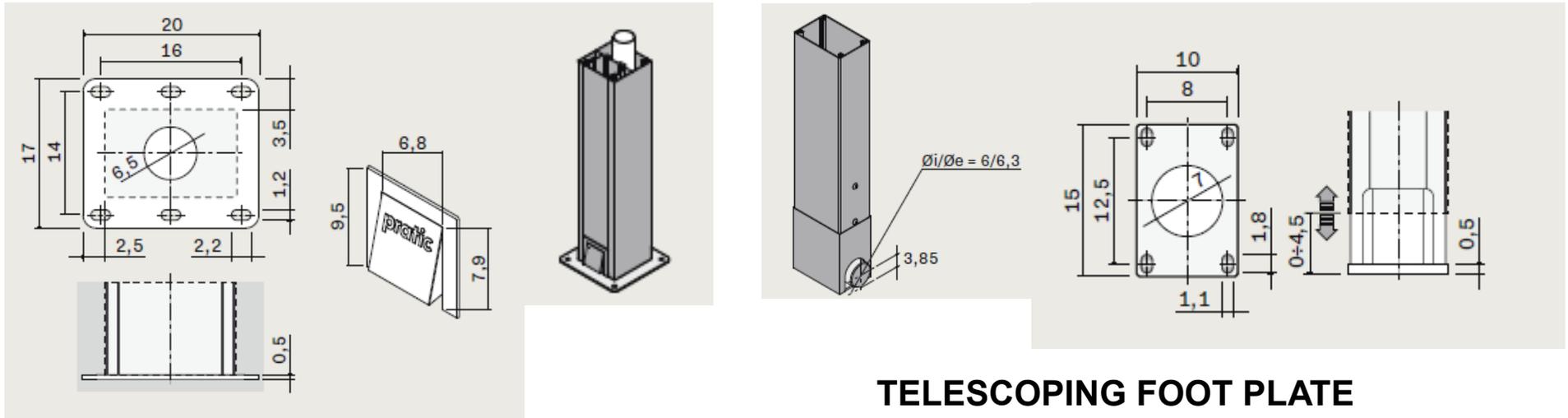
Width Profile Front



Inter. Projection Profile

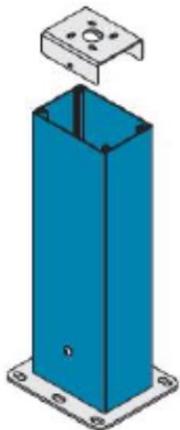
Inter. Width Profile

## BRERA S Post Technical details and dimensions continued.



### STANDARD FOOT PLATE

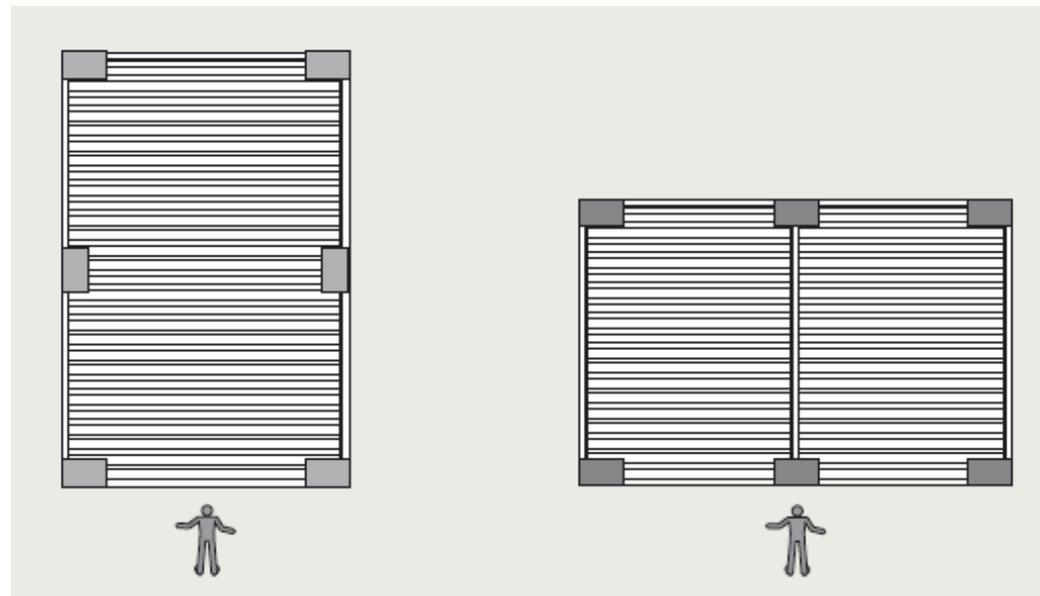
Standard post feet. Standard height is 90" (230 cm). Above 230 cm is an upcharge. Maximum available Brera post height is 118" / 300 cm.



Additional posts with standard feet.

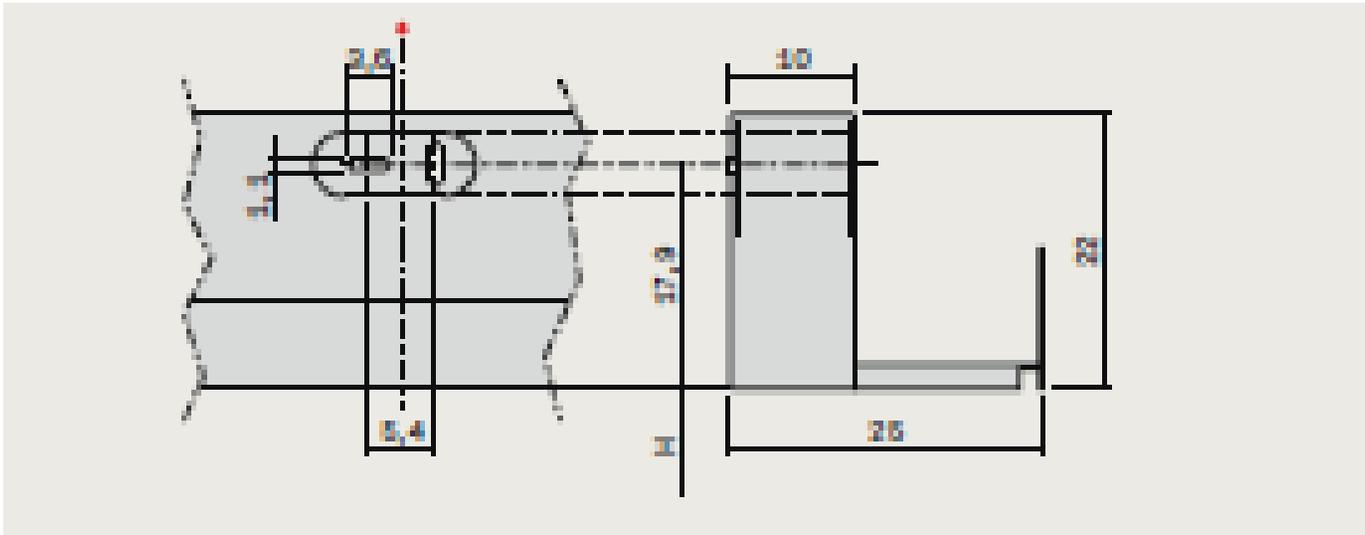
### TELESCOPING FOOT PLATE

Optional telescoping feet up to 5 cm ( 2"). These are ideal on uneven surfaces and should be ordered if RASO screens are configured with the unit.

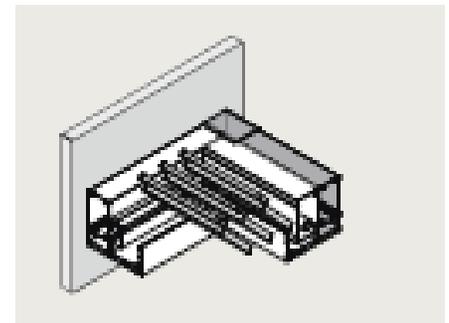
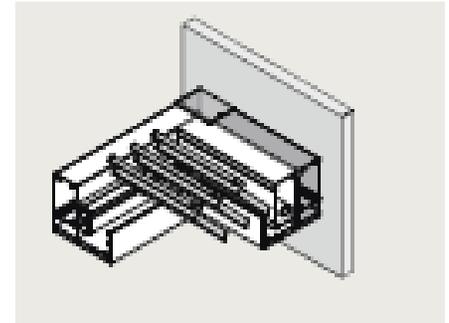


Post Location Diagram.

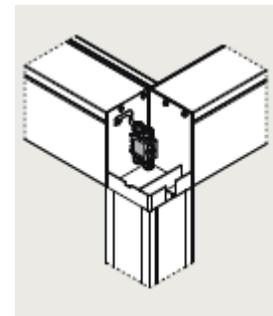
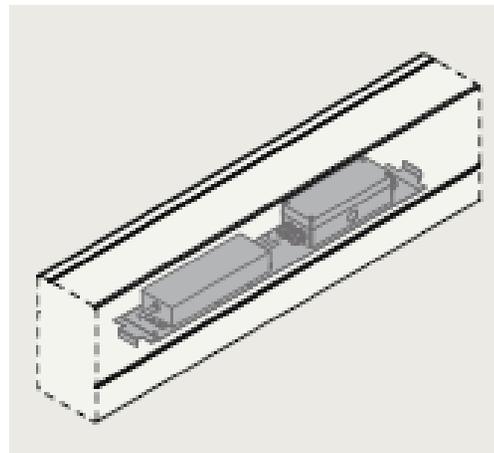
## BRERA S Technical details and dimensions continued.



Wall Mounting with Profile.

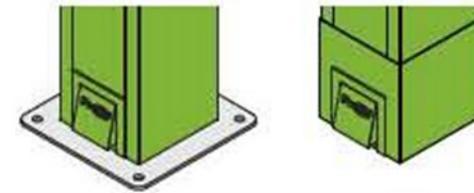
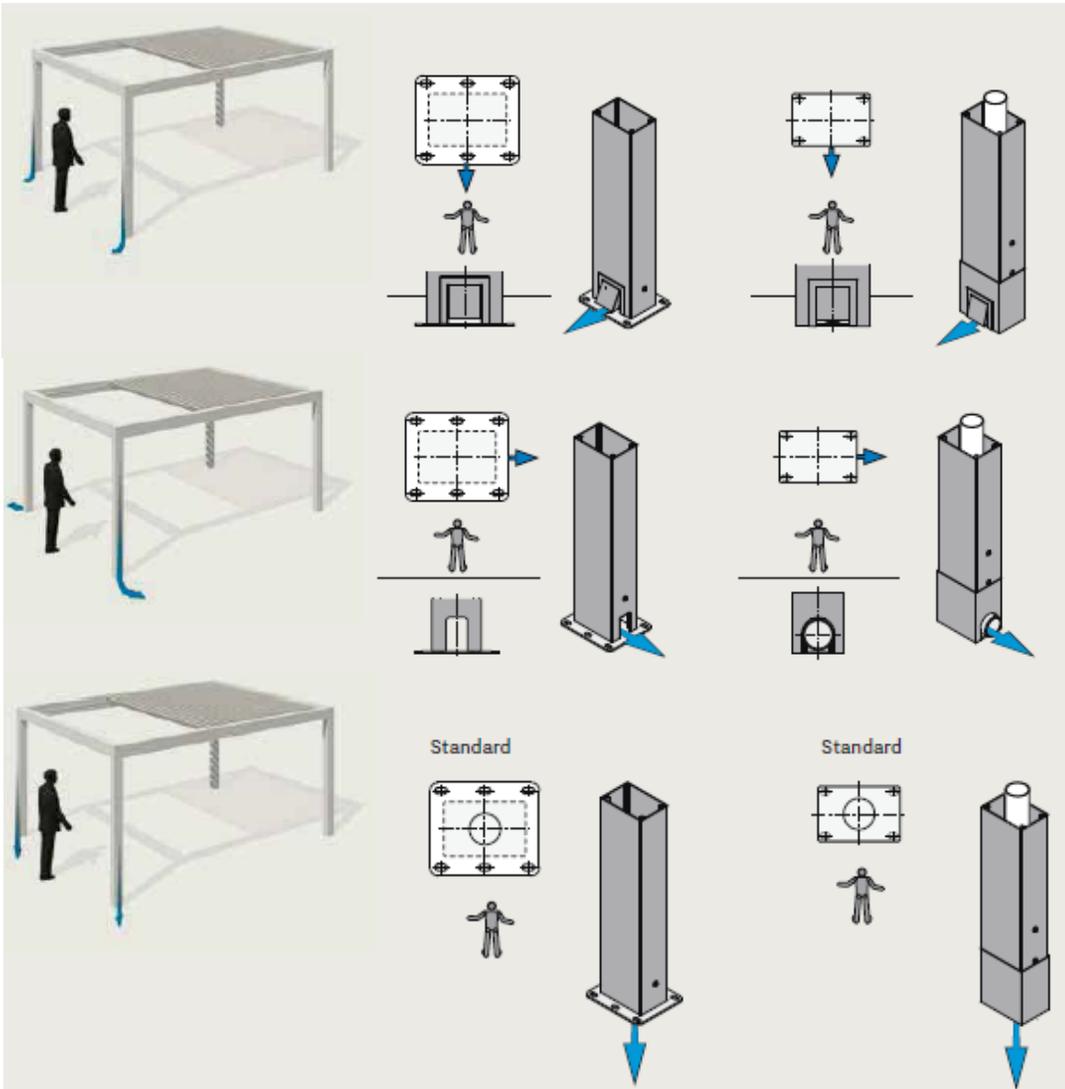


Electrical control unit and wiring in header.



Preassembled water tight boxes in the corners.

## Brera S water drainage details.



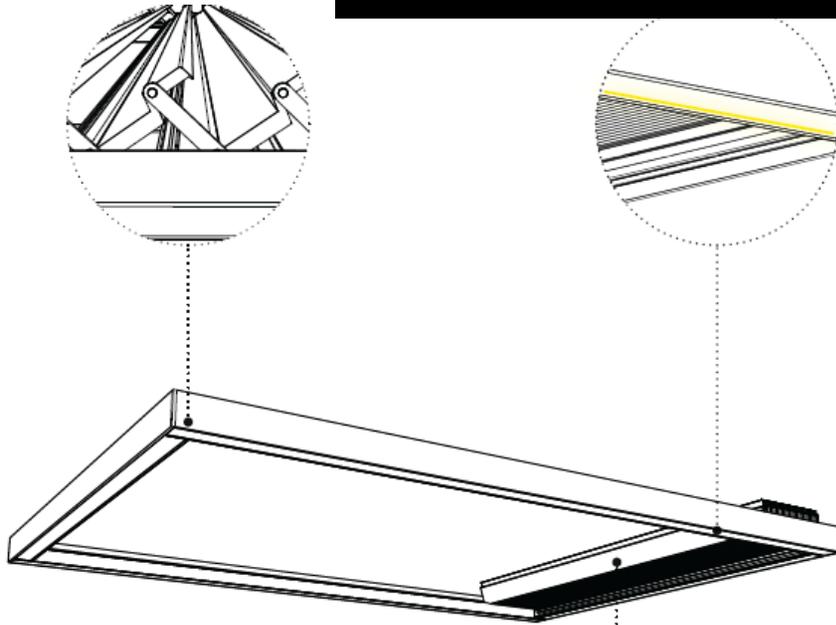
Scupper water discharge / flap is supplied in plastic can not be painted.

**Note:** you just make bottom of the post even with the decking or patio surface pavers (Do not add pavers around perimeter as they will block the discharge out the sides).

**NOTE:** The BRERA Louvers are flat so drainage points are ideally located on each side the Pergola module. Two drainage points per module is minimum (More than two is better).

# BRERA "B" Mounted to a structure / between walls (No posts)

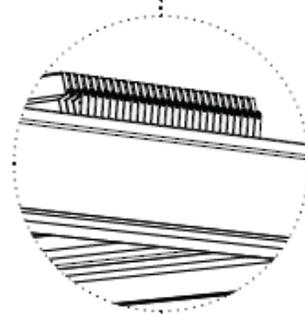
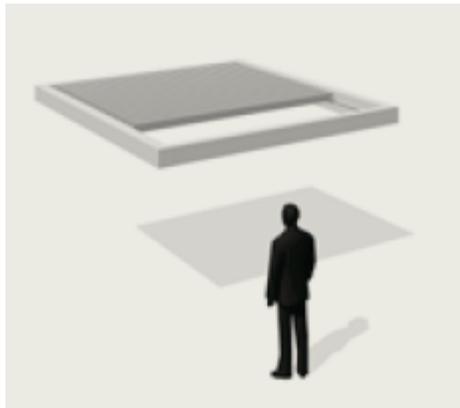
*Note: Brera "B" can only mount to structure on the projection side not front or back sides*



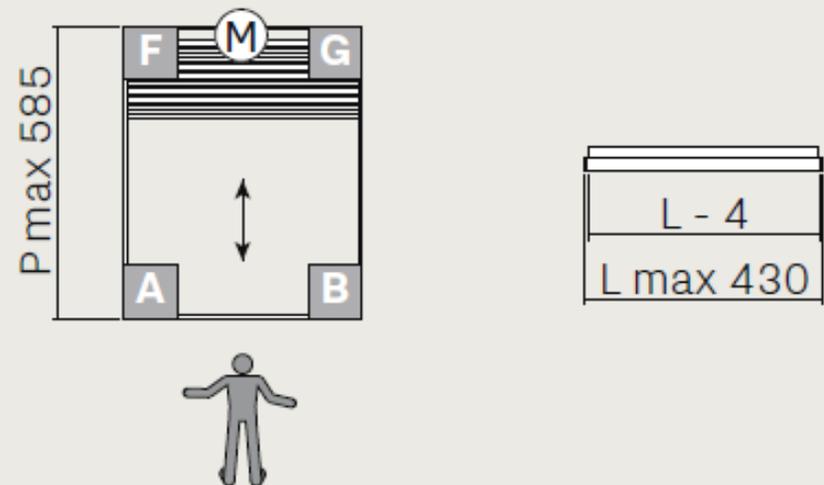
**Maximum Width 430 cm / 14' 1"**  
**Maximum Proj. 585 cm / 19' 2"**

**NOTE: Customer has to add their own discharge water tray and downspout for water management.**

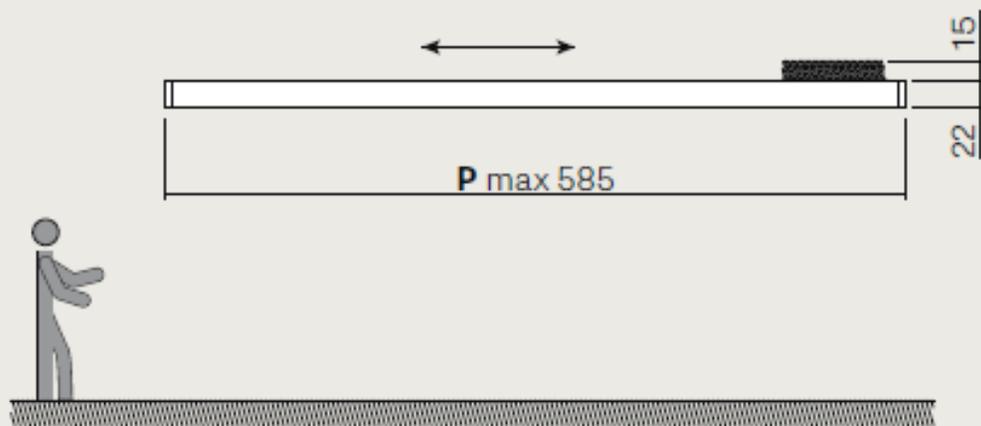
**Note: Raso screens not available with Brera B version.**



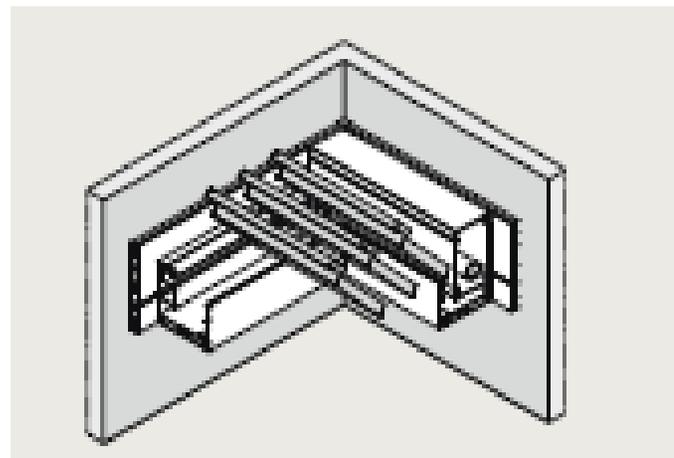
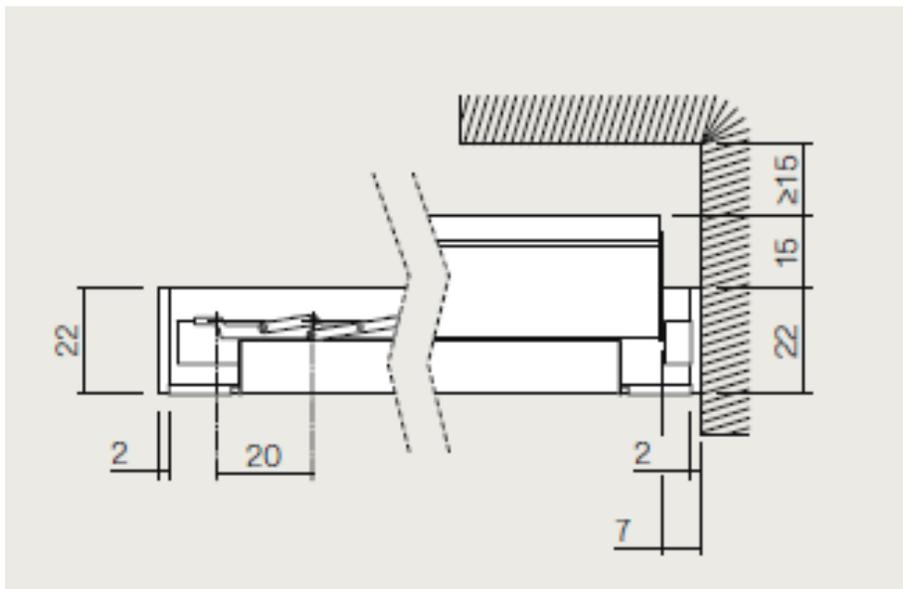
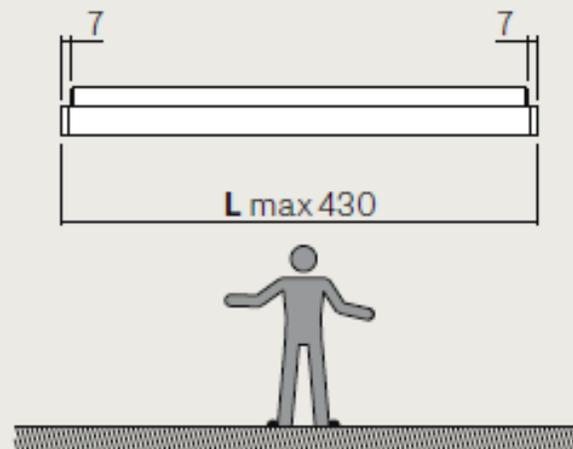
**Note: Since posts are eliminated from Brera B, water management from corners are not included and customer must make their own arrangements.**



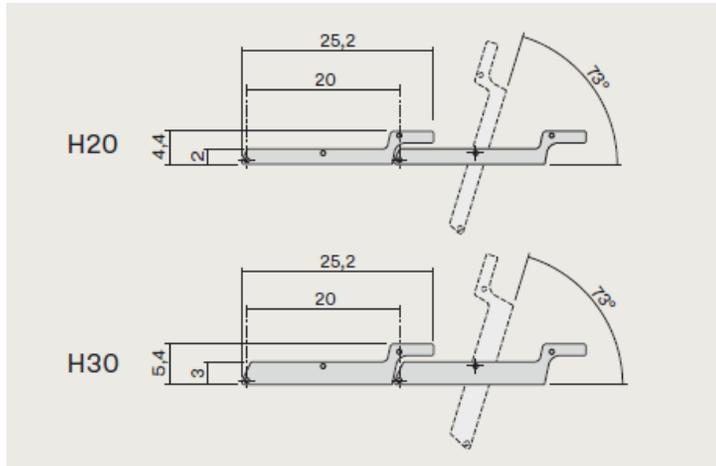
Vista laterale / Lateral view



Vista frontale / Front view

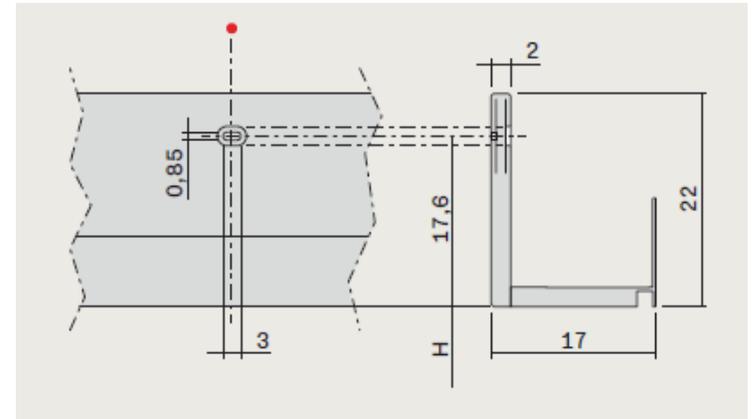


## BRERA B Technical details and dimensions.

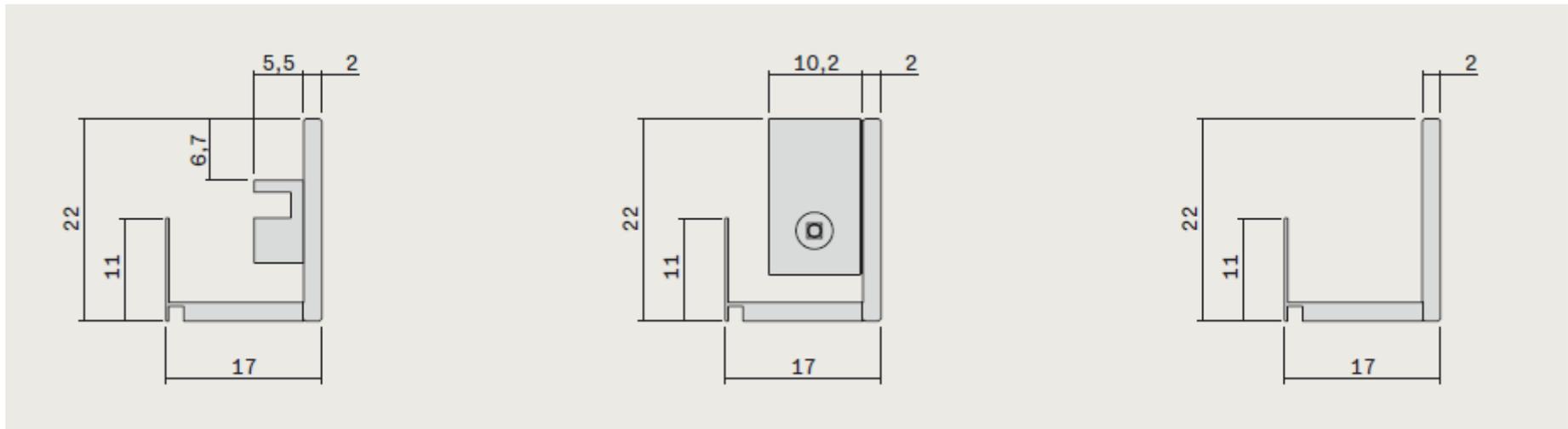


Blade / Louver Technical detail.

The thickness of the louver used H20 vs. H30 will depend on pergola unit width.



Details of WALL mounting points.

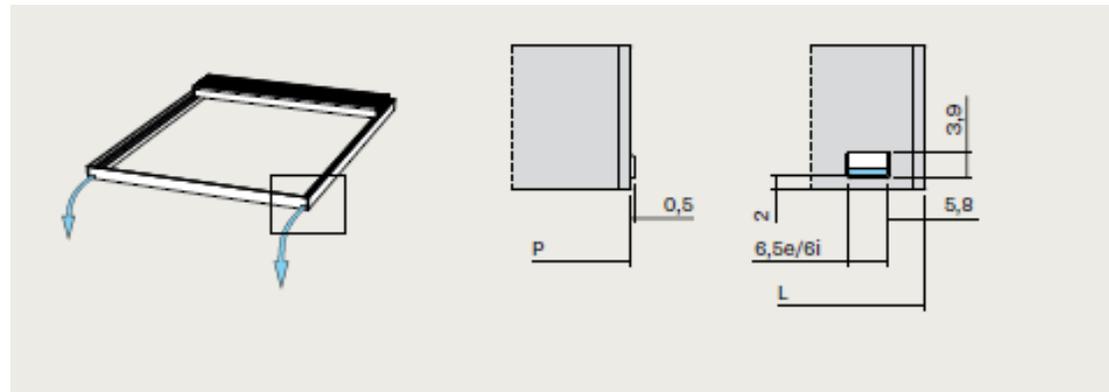


Projection Profile

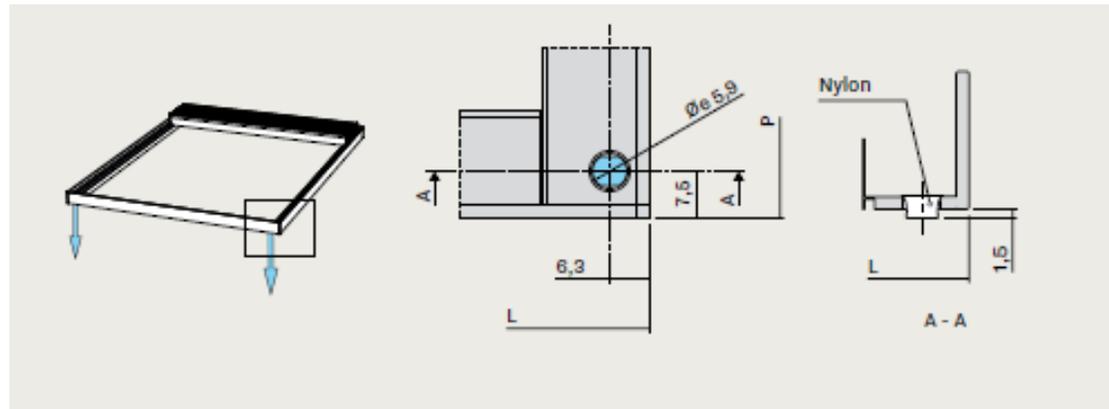
Width Profile Motor

Width Profile Front

## BRERA B Water Drain details.

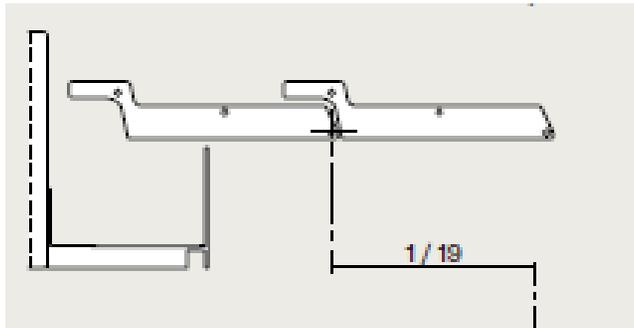


Front Discharge / Downspouts not included

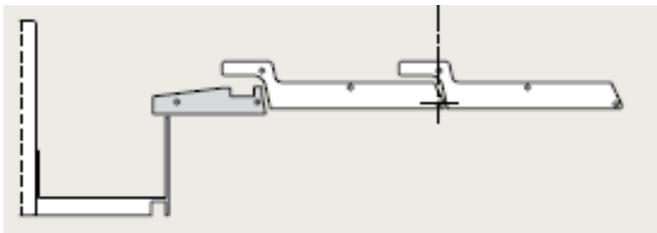


Down Discharge / Downspouts not included

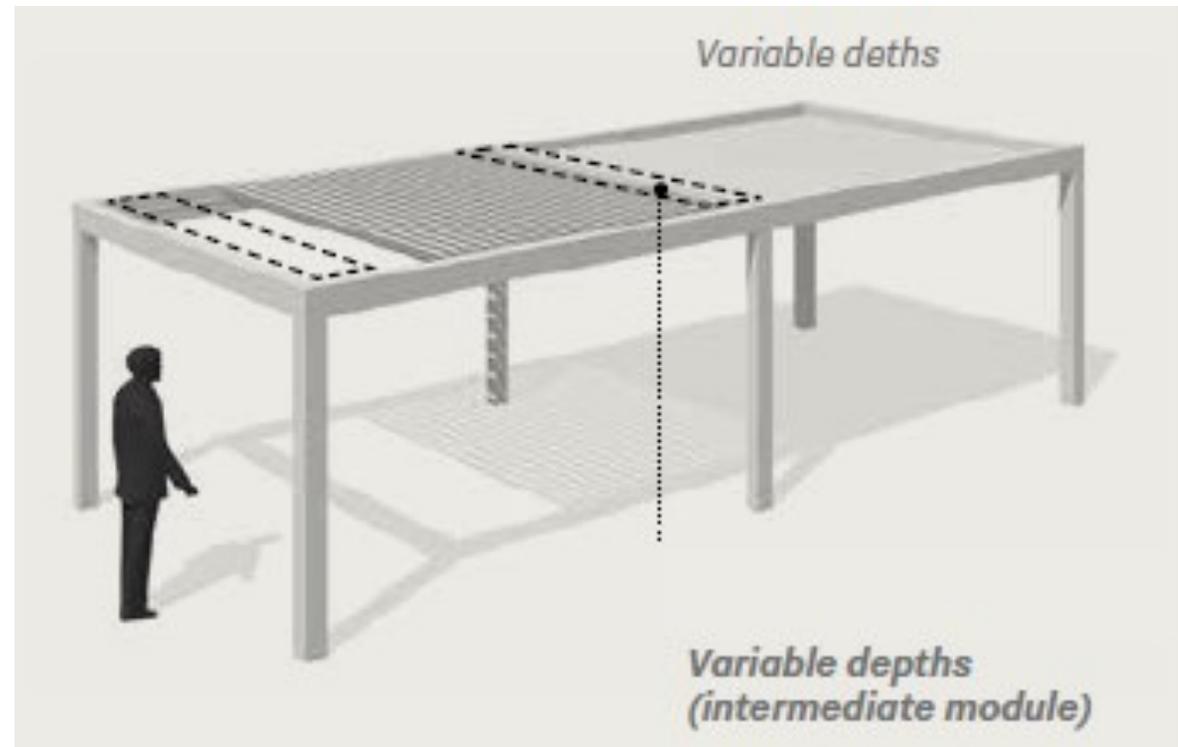
## BRERA Variable and Fixed projection.



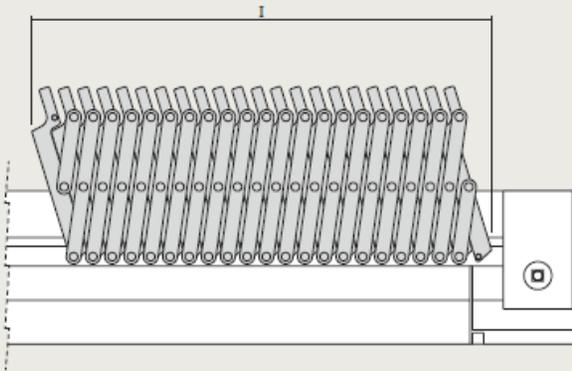
Standard projection full louver width.



Optional custom projection adding a fixed custom width louver (extra cost).



# BRERA P, S & B Louver # & Stack Dimensions

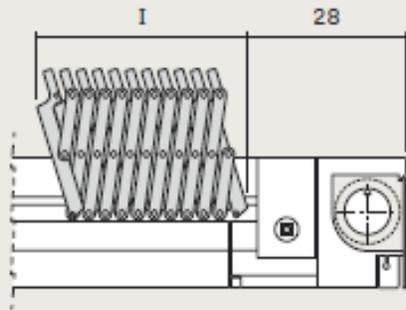


**“I” measurement is the actual stack Dimension of retracted Louvers.**

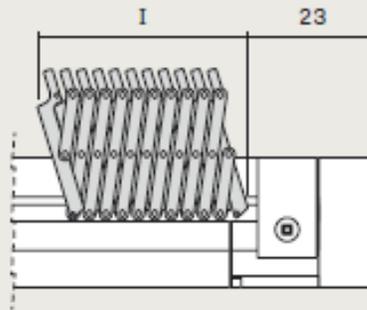
*Please refer to next page with “metric” dimensions in cm of Stack dimension “I” and # of louvers specified for the projection.*

*See also header dimension behind the louvers.*

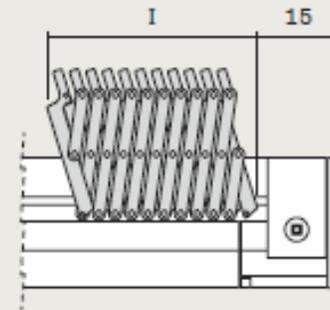
**BRERA P**



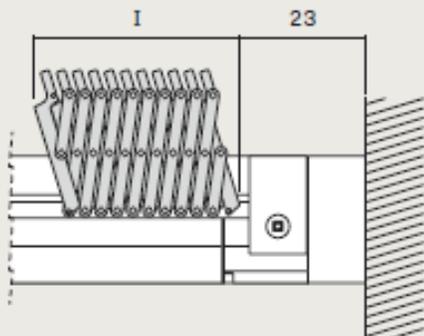
**BRERA S**



**BRERA B**

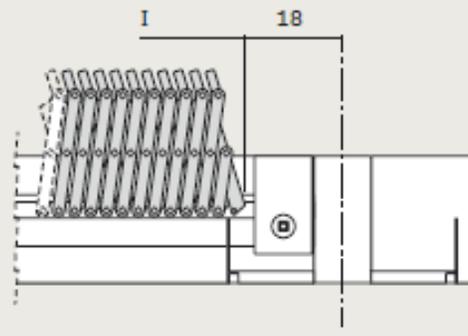


**BRERA S - BRERA P  
02**



**BRERA S - BRERA P -**

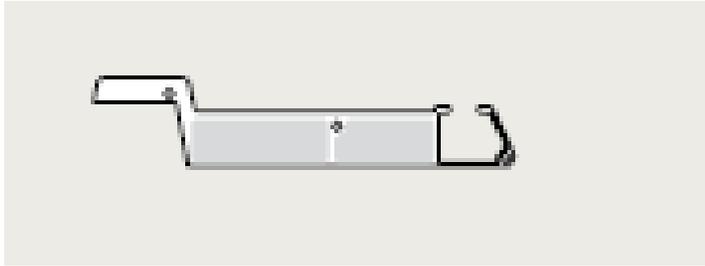
*/ INTERMEDIATE UPRIGHT*



# BRERA P, S & B Louver # & Stack Dimensions / Dimensional Table con't

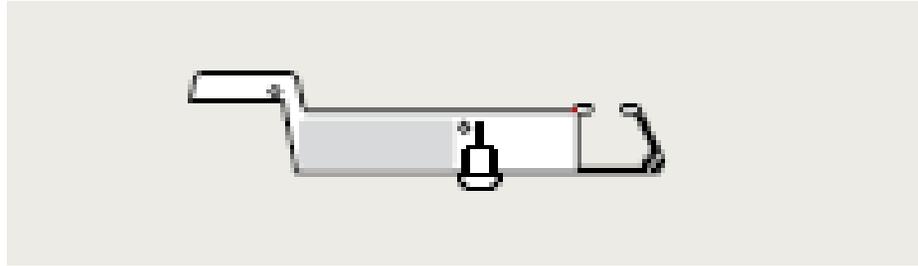
<i>Dimension tables</i>									# of Louvers	I stack dimensions H20 or H30 Louvers	
P									Lame / Blades	Ingombro / Dimension	
Brera P					Brera S			Brera B		H20	H30
P	Pp	Pf	Pi	Pm	P	Pf	Pi	P			
210	205	200	190	195	200	195	190	185	8	22,9	31,4
230	225	220	210	215	220	215	210	205	9	25,7	35,4
250	245	240	230	235	240	235	230	225	10	28,6	39,3
270	265	260	250	255	260	255	250	245	11	31,4	43,2
290	285	280	270	275	280	275	270	265	12	34,3	47,2
310	305	300	290	295	300	295	290	285	13	37,2	51,1
330	325	320	310	315	320	315	310	305	14	40,0	55,0
350	345	340	330	335	340	335	330	325	15	42,9	59,0
370	365	360	350	355	360	355	350	345	16	45,7	62,9
390	385	380	370	375	380	375	370	365	17	48,6	66,8
410	405	400	390	395	400	395	390	385	18	51,4	70,7
430	425	420	410	415	420	415	410	405	19	54,3	74,7
450	445	440	430	435	440	435	430	425	20	57,2	78,6
470	465	460	450	455	460	455	450	445	21	60,0	82,5
490	485	480	470	475	480	475	470	465	22	62,9	86,5
510	505	500	490	495	500	495	490	485	23	65,7	90,4
530	525	520	510	515	520	515	510	505	24	68,6	94,3
550	545	540	530	535	540	535	530	525	25	71,5	98,3
570	565	560	550	555	560	555	550	454	26	74,3	102,2
590	585	580	570	575	580	575	570	565	27	77,2	106,1
610	605	600	590	595	600	595	590	585	28	80,0	110,0

# **LOUVER OPTIONS: BRERA**



Comfort Blade

Foam filled



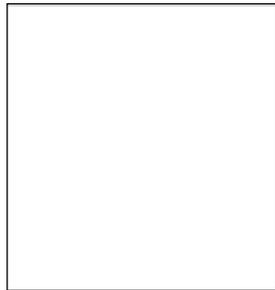
Comfort Blade partially foam filled

Comfort Blade is an optional foam filled louver minimizing noise from “rain”

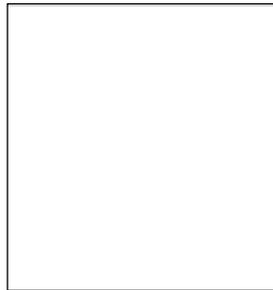
**NOTE: If spotlights are desired louver must be either standard or partially filled only**

# STANDARD FRAME COLORS FOR BRERA MODEL:

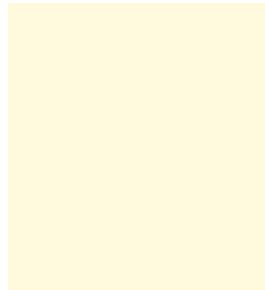
*NOTE: Optional for BRERA is to have Structure and louvers in two different colors.*



**WHITE Gloss**  
Ral 9010



**WHITE SAND**  
Coarse Ral 9016



**IVORY SAND**  
Ral 1013 Coarse



**IVORY / SEMI**  
Gloss Ral 1013



**GREY SAND**  
Gloss Ral 9006



**BRIGHT ALUM**  
Matt Ral 9006



**CORTEN**  
Coarse



**IRON GREY**  
Coarse

**OPTIONAL**



**FULL RAL COLOR**  
RANGE / EXTRA  
COST

NOTE: These eight (8) colors are “super durables” which offer better durability compared with standard polyesters powders.



**NOTE:** ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES

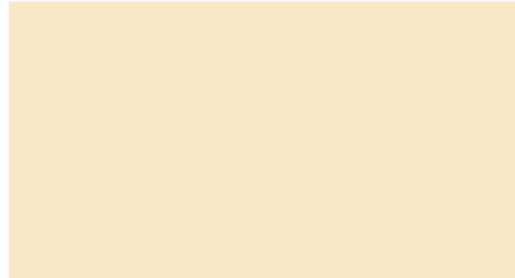
# STANDARD VINYL FABRIC COLORS RASO SCREENS

## 602 FLEX LIGHT CLASSIC / OPAQUE COLORS



602-8503-98"

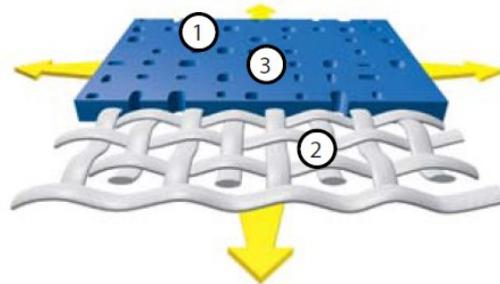
White 602



602-50020-98"

Cream 602

The Preconstraint 602 fabric from Ferrari offers excellent dimensional stability with minimal stretching and exceptional dirt resistance thanks to a PVDF topcoat on both sides. The fabric is therefore perfect for use on retractable Pergola® roof awnings. The fabric is 22.1 oz/sq yard with a Glossy finish. The two standard opaque colors above are the most commonly used and is standard on all Pergola® awnings. The two above colors are opaque and do not allow light to go through the fabric. Fabrics are Fire Retardant and certificate is available.



# OPTIONAL RASO SCREEN FABRIC COLORS

## 502 PROOF SOLTIS / OPAQUE SATIN FINISH COLORS

The Preconstraint 502 fabric from Ferrari also offers excellent dimensional stability with minimal stretching and exceptional dirt resistance thanks to a PVDF topcoat on both sides. The fabric is therefore perfect for use on retractable Pergola® roof awnings. The fabric is 16.8 oz/sq. yard with a satin finish. Fabrics are fire retardant and certificate is available.



satin finish

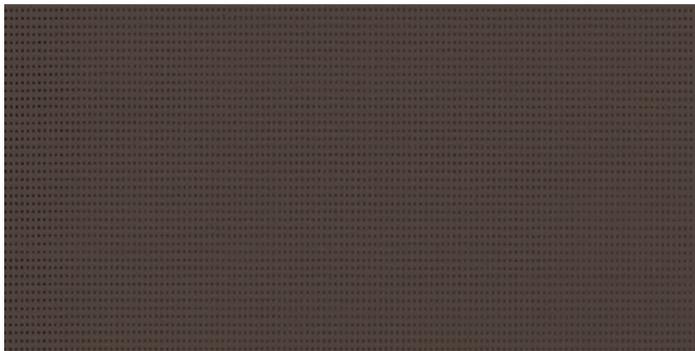
  
**Serge Ferrari**

**Soltis**  
Horizon 86

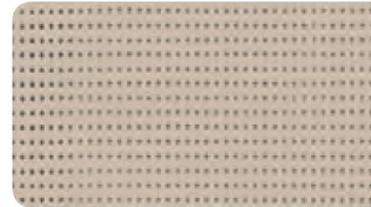
**Serge Ferrari**  
14 % Open Screen Mesh



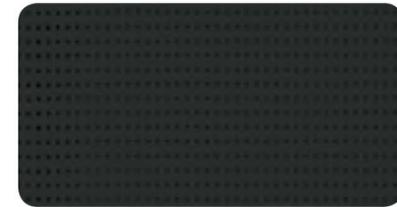
**Raso Screen**



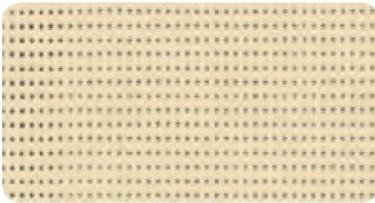
86-2043  
Bronze



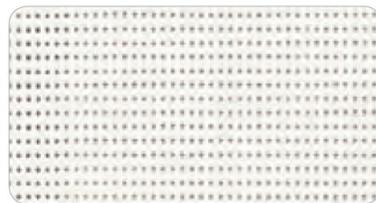
86 – 2135  
Sandy Beige



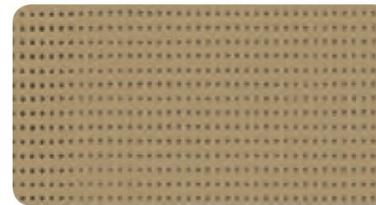
86 – 2053  
Black



86 – 2175  
Champagne



86 – 2044  
White



86 – 2012  
Pepper



86 – 2171  
Boulder

**■ Technical properties**

Openess factor	14%
Weight	380 g/m <sup>2</sup> — 11.2 oz/sqyd
Thickness	0.45 mm — 450 microns
Width	177 cm - 267 cm — 69.7 in. - 105.1 in.

Superior elongation and tear resistance

No deformation during processing and use

Superior aesthetic and mechanical durability

Smooth finish easy to clean, space saving, easy rolling

# MOTORIZATION & AUTOMATION

ALTUS®



The Sunair PERGOLA® program features SOMFY RTS motor with an integrated radio receiver that allows you to operate the awning or screen by remote control with a wall mounted or hand held remote and by a smart phone device.

With a simple click of a button on your remote, the awning or shade will extend, retract , lower or raise automatically.



1 through 16 channel wall mounted and hand held remotes are available



# OUR FABRIC ROOF PERGOLA® MOTORS

Sunair uses Somfy motors and controls for their Pergola awnings in the following range

**Altus 550 Series: Brera P, S, and B Pergolas**



## All Somfy Motors are UL and CSA Recognized

- All SOMFY motors are UL Recognized and can be found under the following file numbers:

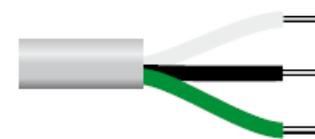
E60495, E60888, E63714



	550	660
Torque	50 Nm	60 Nm (530 in. lbs.)
Nominal Voltage		120V / 60Hz
Rated Current	2.1A	2.5A
Speed	14 rpm	14 rpm

## Type of power cable

RTS  
120V AC / 60Hz  
3 conductor cable



white = neutral  
black = hot  
green = ground



### Radio Technology Somfy

Radio Technology Somfy® (RTS) allows wireless radio control of motorized applications via the RTS family of controls.

# Screen motor for RASO & SC4500 zipper screens

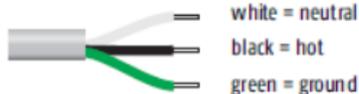


## SCREEN MOTORS:

The screens are available with the 525 altus SOMFY motor and also the 525 Maestria Obstacle detection motor. These motors are tubular 110 volt motors and are integrated into the Raso roller tube like a normal screen motor. Electrical wiring for the Raso screens is integrated within the gutter system and posts and all electrical connections are pre-wired within the Pergola system to one central connection point for all the electrical options and motors. The Maestria obstacle detection motor prevents fabric damage resulting from screen bunching and slipping from the guides. The motor senses and distinguishes between an actual obstacle and wind, even wind gusts, so it doesn't stop unnecessarily, resulting in fewer service calls and end user peace of mind.

### Type of cable

RTS  
120 V / 60 Hz  
3 conductor cable



**Note:** It is recommended to use a multi channel Telis 4 remote to operate multiple screens. The Screen motors use the same RTS motor as all Pergola models except the Louvered Pergola systems. The Louvered OPERA & VISION systems use a separate TELECO remote control to operate the Louvered 24 volt motor and LED's.

## Performances

525A2

Torque	25 Nm
Nominal Voltage	
Rated Current	1.6A
Speed	20 rpm
Thermal Protection	
Radio Frequency	433.42 MHz



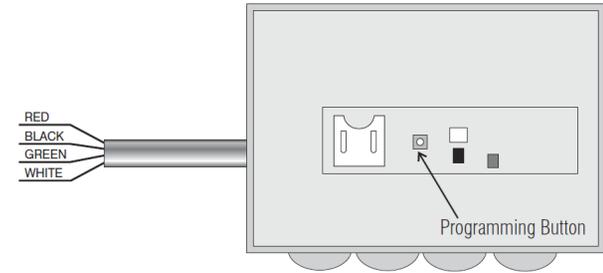
**SOLIRIS RTS 24V KIT**  
**Sun & Wind Sensor**

The Soliris RTS Sun and Wind Sensor automatically controls your RTS motorized products based on current weather conditions.



**ONDEIS® WIREFREE**  
**Sun & Rain Sensor**

The Rain Sensor is a solar-powered combined rain and sun sensor compatible with Radio Technology Somfy® motorized exterior products, including awnings and screens.



**DRY CONTACT INPUT RTS TRANSMITTER**

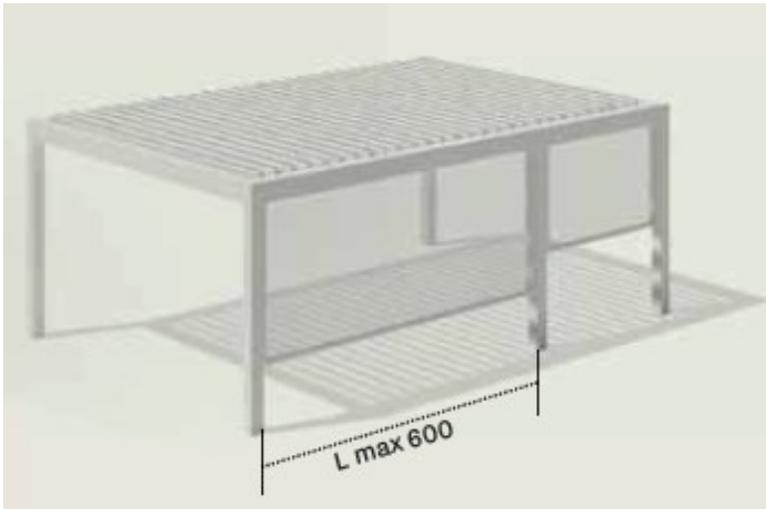
Dry Contact to RTS interface can be used to communicate between home automation or other third party systems like fire alarms to retract screens in an emergency. Can be interfaced with a physical switch.

The Somfy myLink™ is a simple device that turns your smartphone or tablet into a sophisticated remote control for motorized products featuring Radio Technology Somfy®, allowing you to operate them whether you're home or not. Combine all the benefits of Somfy's RTS hand-held remotes and timers in a convenient app.



# OPTIONS LOUVERED PERGOLAS

## RASO ROLL DOWN ZIPPER SCREENS For BRERA P



### Note:

Maximum available Raso screen width will depend on fabric type. An additional intermediary post can be added to cover the side with multiple screens.

Optional roll down screens can be added to the OPERA and BRERA P models only.

Note: Raso screens are NOT available with the “Vision” model.

The screens are available with mesh fabrics and also vinyl with windows (single or double). Please inquire on window size specifications needed.

### Available Fabric are:

Tempotest Para Acrylic fabric (Colors from range)

Mosquito Mesh 50% open (Grey & Black)

Soltis 86 mesh (Colors from range)

Soltis 92 mesh (Colors from range)

Ferrari 502/602 with windows (Colors from range)

### Max widths available:

Mosquito Mesh: 14' 6" wide x 10' high

Soltis 86 & 92: 19'6" wide (6 m)

Para & Ferrari 502/602: 19' 6" wide (6m)

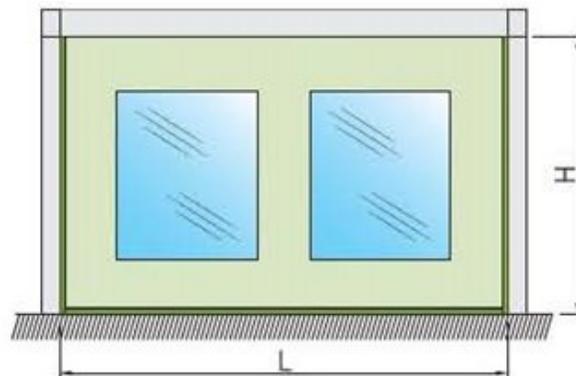
Ferrari 502/602 with windows: 13' wide (4 m)

**NOTE:** If OPERA projection is wider than the maximum allowable screen width above, an intermediary post has to be added at extra cost and two screens must be made in its place. Even if you want to wall mount the NOMO, you still



The BRERA P model can be fitted with roll down RASO zipper screens for extra weather or sun protection on all sides. This optional screen system can be ordered with either mesh fabric, acrylic, or vinyl fabric and clear "film" windows for keeping moderate weather at bay during the winter months or rain during spring and summer months. If you only need sun protection on the sides or desire to keep mosquitos and pesky bugs at bay, our mesh fabrics will be fine.

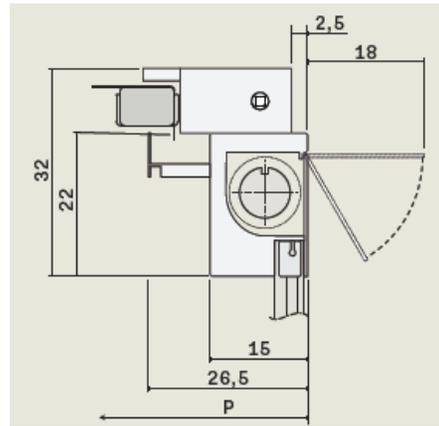
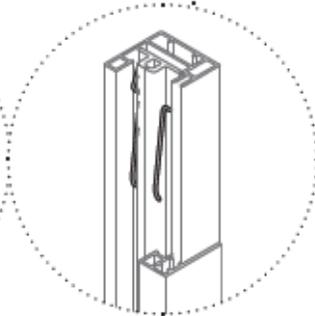
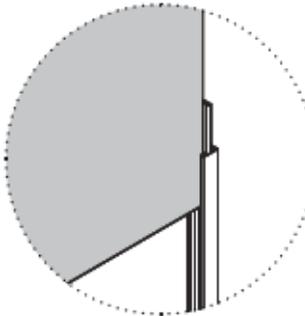
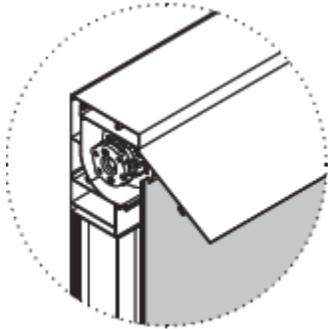
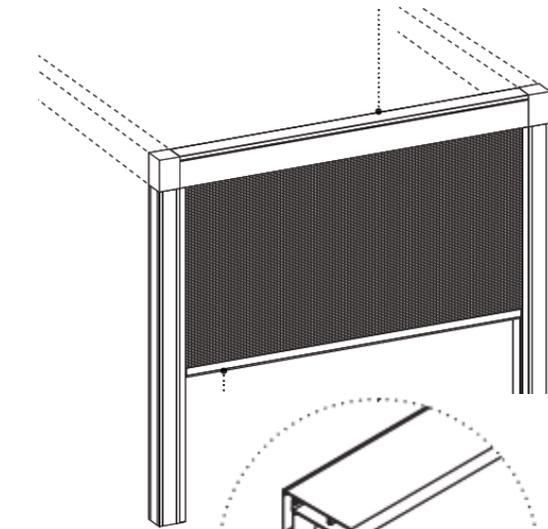
**Raso screens with windows**



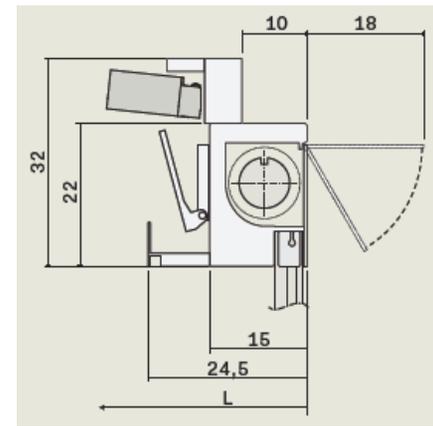
**Minimum border width around screen perimeter must be at least 25 cm (10") when using Ferrari with windows (See illustration above)**

**Raso zipper screens with mesh fabric**

# RASO Screens con't

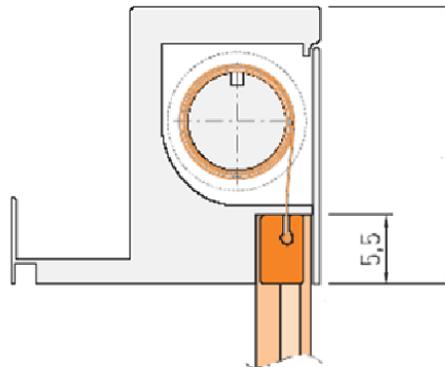


supporting profile with built-in Raso

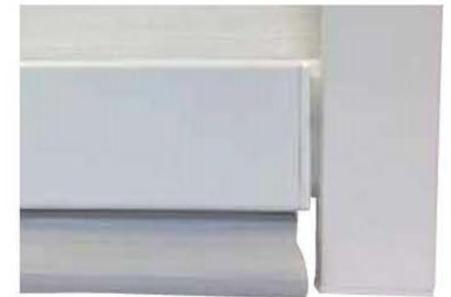
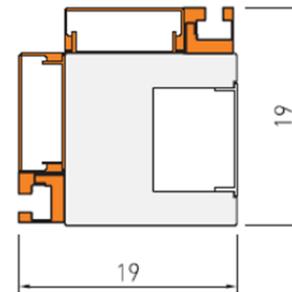
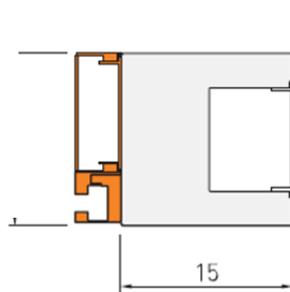
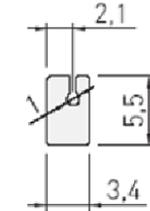
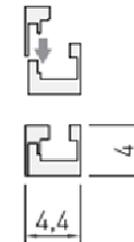


Zip guide profile

Front profile



Post profile + Raso guide + compensator



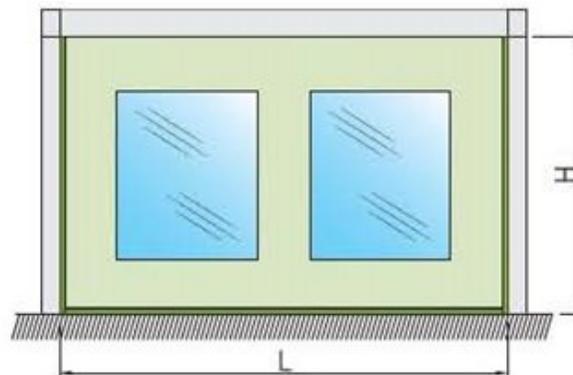
Optional Gasket at bottom of hem bar.

NOMO posts with Raso Track and compensation profile added



The OPERA and BRERA P models can be fitted with roll down RASO zipper screens for extra weather or sun protection on all sides. This optional screen system can be ordered with either mesh fabric, acrylic, or vinyl fabric and clear "film" windows for keeping moderate weather at bay during the winter months or rain during spring and summer months. If you only need sun protection on the sides or desire to keep mosquitos and pesky bugs at bay, our mesh fabrics will be fine.

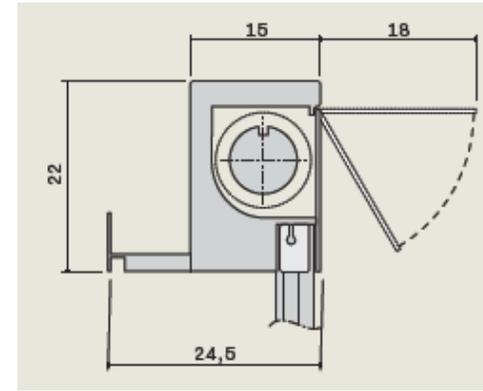
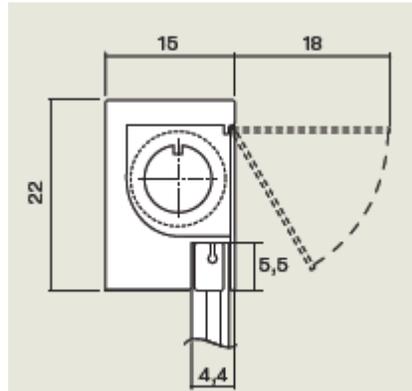
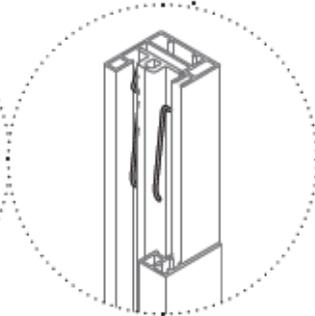
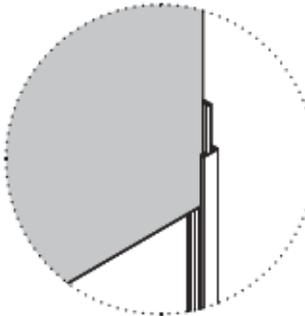
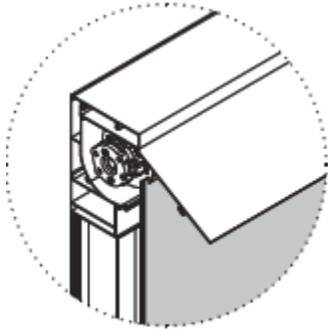
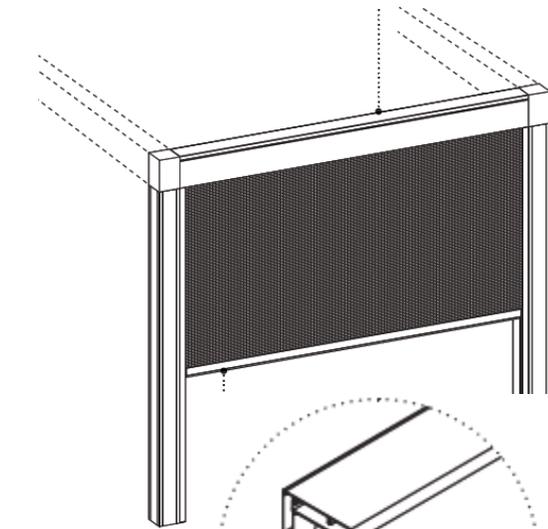
**Raso screens with windows**



**Minimum border width around screen perimeter must be at least 25 cm (10") when using Ferrari with windows (See illustration above)**

**Raso zipper screens with mesh fabric**

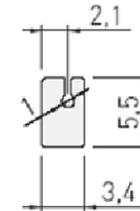
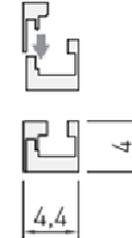
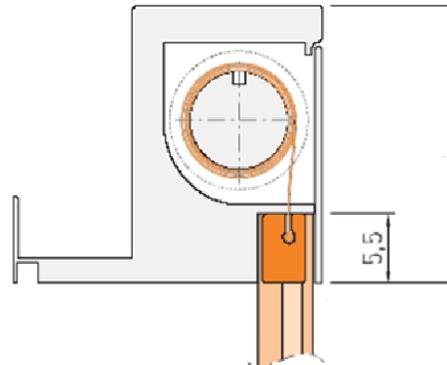
# RASO Screens con't



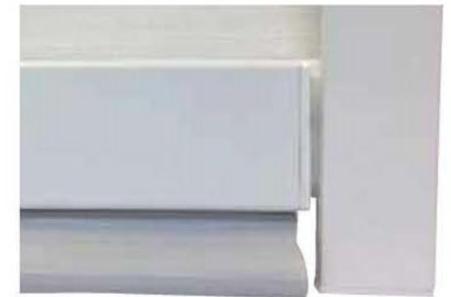
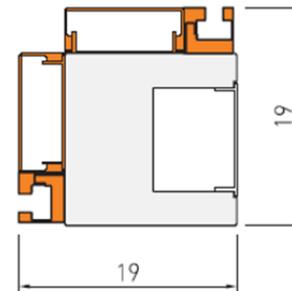
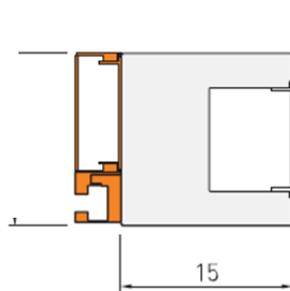
supporting profile with built-in Raso

Zip guide profile

Front profile



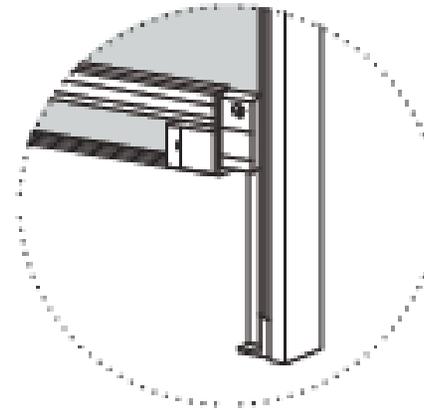
Post profile + Raso guide + compensator



Optional Gasket at bottom of hem bar.

**NOTE:** Typical posts with Raso Track and compensation profile added. Actual posts will vary with each system model.

# RASO Screens con't



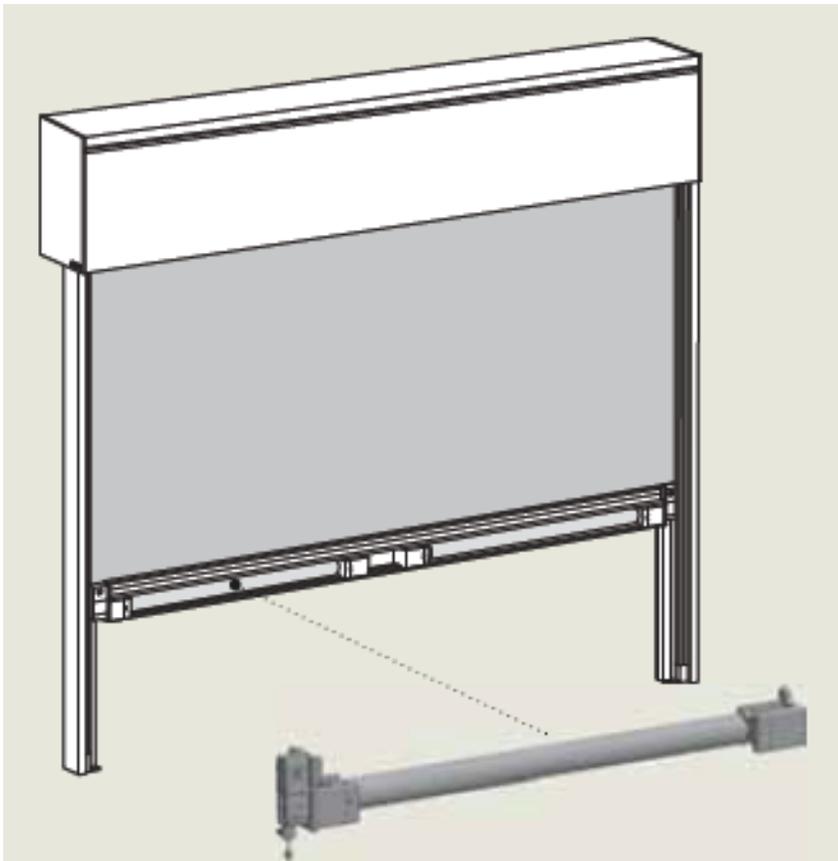
Raso

Minimum width:

200 cm / 79 "

Maximum Height:

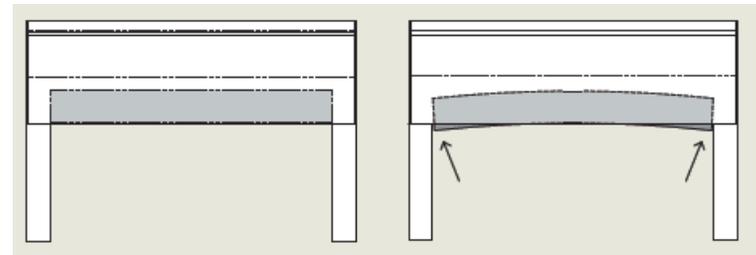
300 cm / 120"



**Power Spring system is a "NEW" option that is available for Raso screens allowing for constant tension on the fabric. The (PSS) system utilizes gas springs which acts as shock absorbers and keeps constant tension on the fabric even in partially lowered position.**

YES

NO

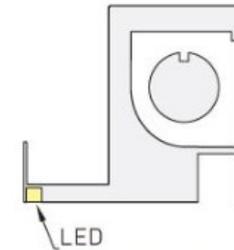


# OPTIONAL PERIMETER LED LIGHTING BRERA



## LED positioning

LED on depth side



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

The OPERA ,VISION, and BRERA can be fitted with remote controlled perimeter LED mood lighting WHITE only or RGB strips. The LED strips are available for the perimeter of the system only and can be multi colored or white only. You can have the system automatically change the color periodically, or keep it one color. The lights are dimmable to the desired brightness. These lights are controlled with the same remote as the louvered 24 volt mo-

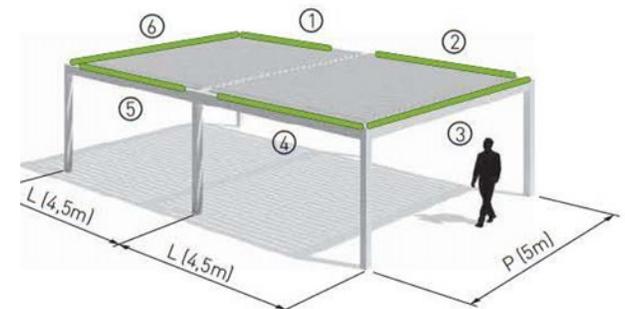


## Examples of LED configuration

- 1 22 m LED group (strips ①+②+④+⑤), switching on and dimming in common

- 2 10 m LED group (strips ①+② and strips ④+⑤), independent switching on and dimming of the 2 groups

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



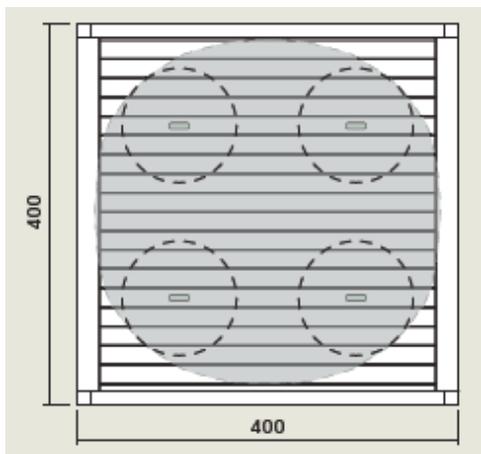
# OPTIONAL QUADRA LIGHTING BRERA



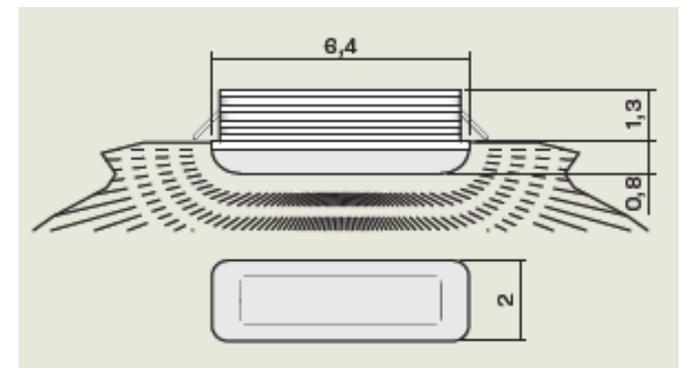
## TECHNICAL SPECIFICATIONS

- Dimmerable
- Installed recessed on the blades
- Pre-assembled electrical system
- They must be ordered together with the structure
- Any after-sales requests of installation involve the invalidity of the guarantee for mechanical and electronic processing
- Minimum two Quadra Light can be installed on every blade
- Recommended distance from the edge 50 cm
- Maximum distance between Quadra Light lights 150 cm
- A rain sensor is recommended to avoid prolonged exposure to the rain with blades open

The OPERA , VISION, & BRERA can be fitted with white the Quadra Light which can be added to the actual louvered strips where desired. The lights are dimmable to the desired brightness. These lights are controlled with the same remote as the louvered 24 volt motor.



<b><u>POWER SUPPLY:</u></b>	LED 24 Vdc
<b><u>PROTECTION GRADE</u></b>	IP44
<b><u>LIGHT COLOR</u></b>	3000 K
<b><u>CONSUMPTION / BULB</u></b>	4.5 W
<b><u>LIGHT OUTPUT</u></b>	460 Lumens / m
<b><u>LIGHT PROJECTION</u></b>	WIDESPREAD



**NOTE: Quadra lights not available with BRERA model.**

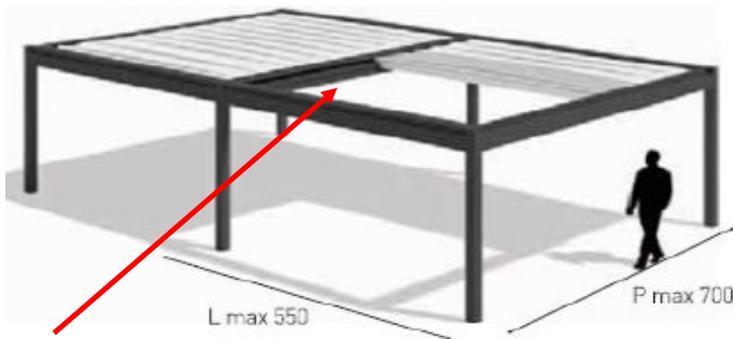
## FAN: Adding a fan to following models:

*NOMO, RIALTO, BRERA, VISION, and OPERA*

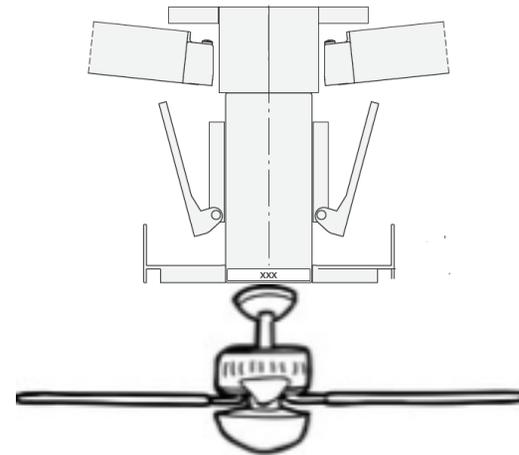
Fan not included and by customer



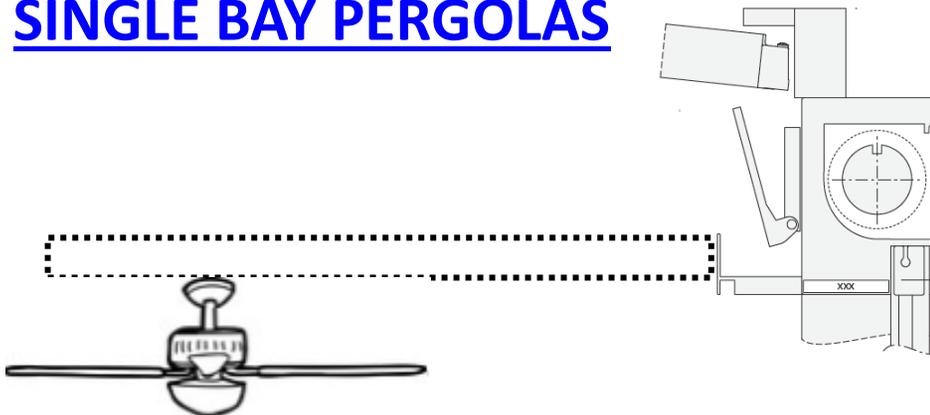
## MULTI MODULE PERGOLAS



Fan Can be mounted Here in between each module



## SINGLE BAY PERGOLAS



Mount a “Fan Bar” on the width side between gutters

Note: Max unit width 18 ft per module. Fan bar must run along the width of each module and separately wired.

**Solaira**<sup>®</sup>

**COSY**  
**SERIES**



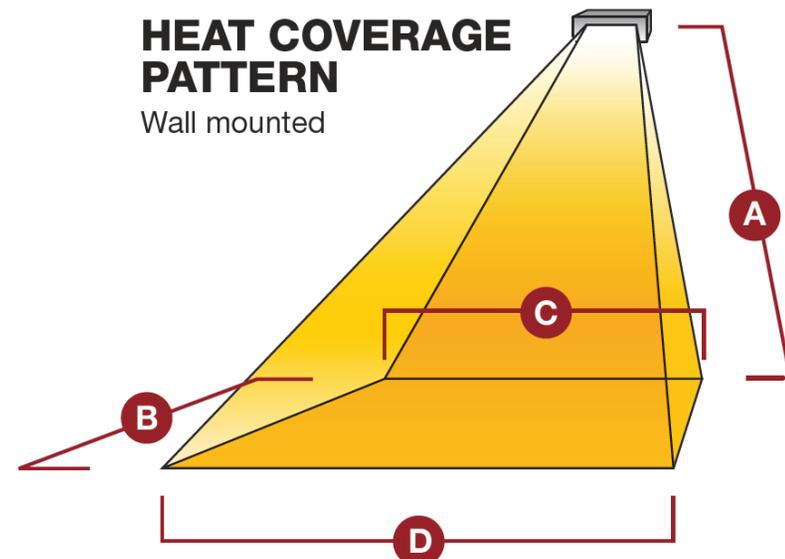
***HEATERS COSY SERIES 1500 AW Sleek, Low clearance, infrared***

Sunair<sup>®</sup> awnings do not specify any particular brand of heaters but we do offer the Solaira brand as a convenience and as “supply” only. As supply only all warranty is per the Manufacturer (Solaira). Please see separate manufacturers installation, use, servicing and warranty documents. Mounting and wiring the heaters on the Pergola units is not included and will be the responsibility of the dealer / customer in the field during installation. Check your local codes for correct wiring instructions. All heaters should be installed by a certified electrician to local state electrical codes. See separate manufacturer’s data sheet and wiring instructions. If you purchase your own heaters, make sure that the heater brand and model you chose can be installed within the pergola unit to code. Aluminum Brackets to install the heaters on the awning are sold separately. Note: Sunair<sup>®</sup> awnings can only make suggestions but will not be responsible or warranty the performance and the effectiveness of the heaters. Check with the manufacturer of the heaters for the recommended number of heaters for your application and best installation position of the heater for best results.

Con’t next page

# Solaria Heaters con't

**Note: Specifier / Customer must contact Solaira directly for recommended heater number and location.**



## HEAT COVERAGE EXAMPLES

Model	A	B	C	D	Heat Zone*	Heat Density*
SCOSYAW15120 B/W	6'7"	8'	8'	10'	70 SQ FT	18 WATTS/SQ. FT
SCOSYAW15240 B/W	6'7"	8'	8'	10'	70 SQ FT	18 WATTS/SQ. FT

\* Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted heat zones will be different then this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

\* Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted zones will be different than this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

Con't next page

## Solaria COZY Series Heaters con't

### 240 VOLT: 1.5Kw 208 - 240 V

Heater Model Black # SCOSYAW15240B Ral:9005

Heater Model White # SCOSYAW15240W Ral:9010

Controller #SPASCR90

One controller will operate up to 12 heaters

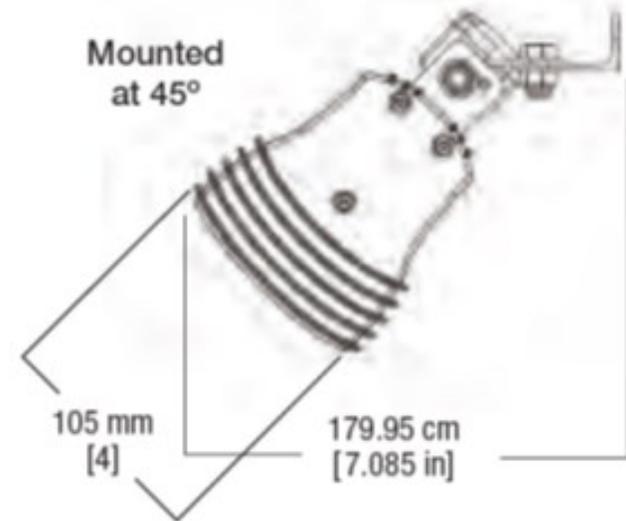
### 110 VOLT: 1.5Kw 120V

Heater Model Black # SCOSYAW15120B Ral: 9005

Heater Model White # SCOSYAW15120W Ral:9010

Controller #SPASCR90

One controller will operate up to 7 heaters



#### NOTE:

Maximum 7 ea. 110 volt heaters can be used per controller.

Maximum 12 ea. 240 volt heaters can be used per controller.



aura™

## INFRARED PATIO HEATER

ADVANCED LOW-LIGHT,  
LOW-GLARE CARBON FIBER  
EMITTER TECHNOLOGY



IP65 rated  
water resistant

AVAILABLE IN TWO MODELS

**CF3000** 3000W, 240V

**CF1500** 1500W, 120V

- Adjustable wall and ceiling mounting brackets included\*
- Durable extruded aluminum construction
- Virtually maintenance-free
- Instant heat, warm ambient glow
- Safe and odorless



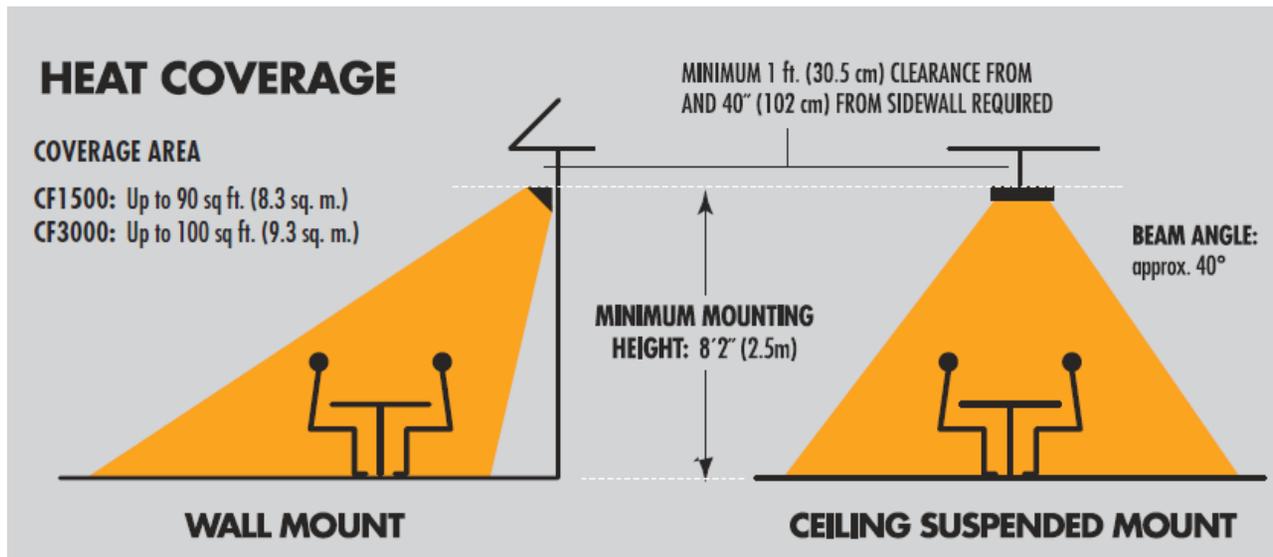
Includes convenient  
remote control



Wall and ceiling  
brackets included\*

AURA CF3000 Carbon 3000W BLACK 208 - 240 VOLT: **Model # CF302408**

AURA CF1500 Carbon 1500W BLACK 120 VOLT: **Model # CF151208**



**Note:**

**Specifier / Customer must contact Solaira directly for recommended heater number and location.**

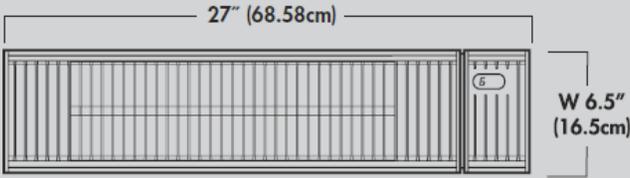
## CARBON FIBER EMITTER

Aura Carbon Fiber emitter lamps are manufactured with extremely strong and lightweight woven carbon fibers. When energized, the carbon fiber produces a soft, ultra-fast warming medium/short wave infrared, radiant heat.

\*Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted zones will be different than this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

## CF1500

WEIGHT: 10lbs (4.5kgs)



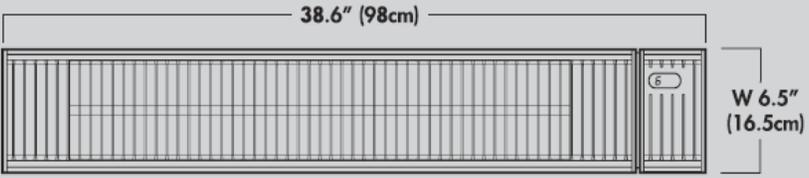
27" (68.58cm)

W 6.5" (16.5cm)

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## CF3000

WEIGHT: 14.3 lbs. (6.5 kg)



38.6" (98cm)

W 6.5" (16.5cm)



Intertek  
LISTED US

**RoHS**  
COMPLIANT

**IP65**  
DUST, RAIN, WATER-JET PROOF  
ÉTANÇHE À LA POUSSIERE, À LA PLUIE ET AUX JETS D'EAU  
POLVO, LLUVIA, PRUEBA DE AGUA-JET

\* affixing hardware (screws/bolts/wall anchors not included and to be supplied by installer to suit application)

## REMOTE CONTROL



**RANGE: UP TO 19.5 ft. (6 m)**

**INCLUDES ON/OFF BUTTONS WITH 6 HEAT SETTINGS:**

**33% - 50% - 66%**

**80% - 88% - 100%**



**REQUIRES 2x AAA, 1, 5V NOT INCLUDED**

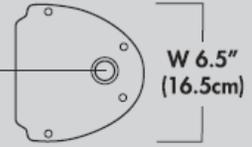
The AURA heaters is a more economical heater that simply plugs in to an outlet (110 volt version). This heater does not require a control box. The remote control is included in the price. Simply aim the remote towards the heater and you can custom set the heat from 1 - 6 on heat scale.

## SPECIFICATIONS

EXTRUDED ALUMINUM CONSTRUCTION

**INCLUDES:** CEILING AND WALL MOUNT BRACKETS\*, REMOTE CONTROL, 12 ft. (4.87 m) OF cETLus APPROVED, OUTDOOR RATED CABLE

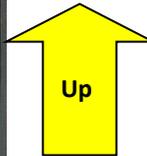
'ON/OFF' SWITCH ON DEVICE



W 6.5" (16.5cm)

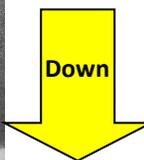
H 5.9" (14.9 cm)

# UP & DOWN Glass Walls Options



*The Up & Down model is made up of two sections, one stationary and one mobile. A simple key is used to lock and release the module. To raise, release window with the key and the spring loaded module will slowly rise on its own.*

*Standard and custom widths available.*



**The Up and Down model of our glass window dividers can be customized to match your color scheme or even display your logo! The base aluminum colors are White and Iron Grey colors. Virtually any color and design graphic motifs can be added to the glass to showcase your restaurant's unique style. Other models are also available.**



# Installations



## SET FLOORING :

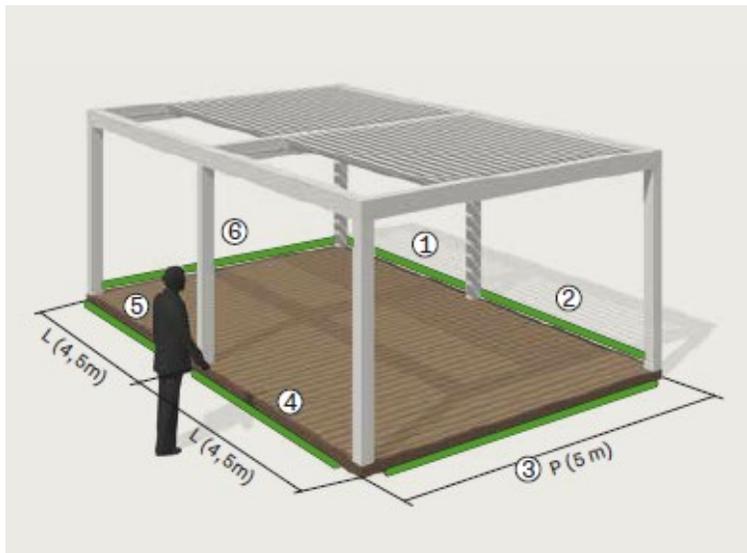


### PRODUCT FEATURES:

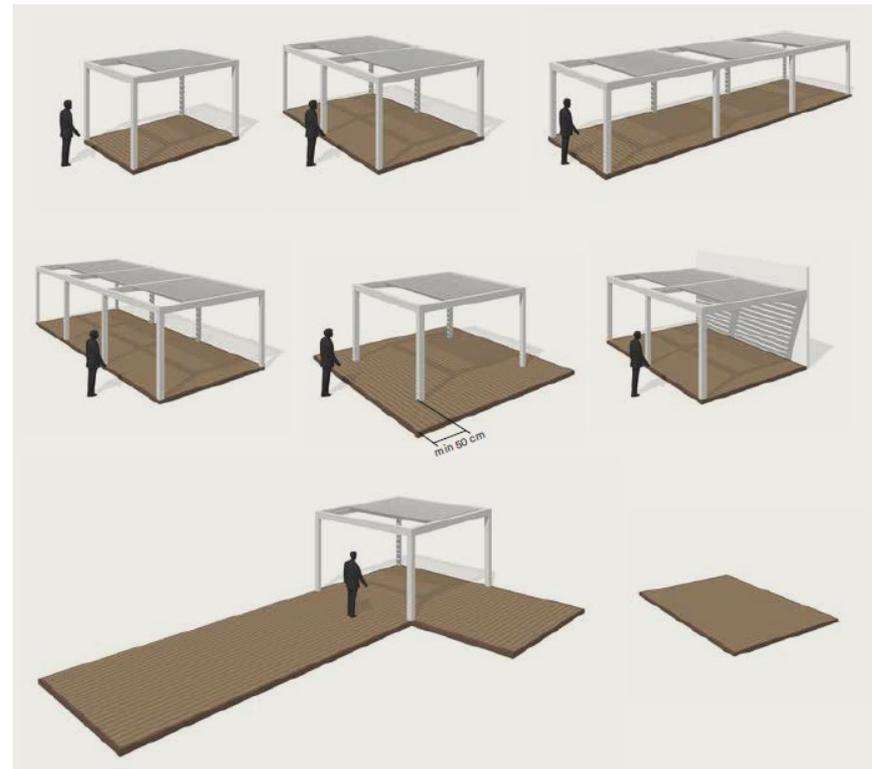
- Platform decking designed to be integrated with Bioclimatic Pergolas like Opera, Vision, Brera, Nomo, and Rialto.
- Sits on an existing supported concrete floor.
- Made to fit Pergola awning system.
- Assembled in place.
- Can be fitted with different flooring types.



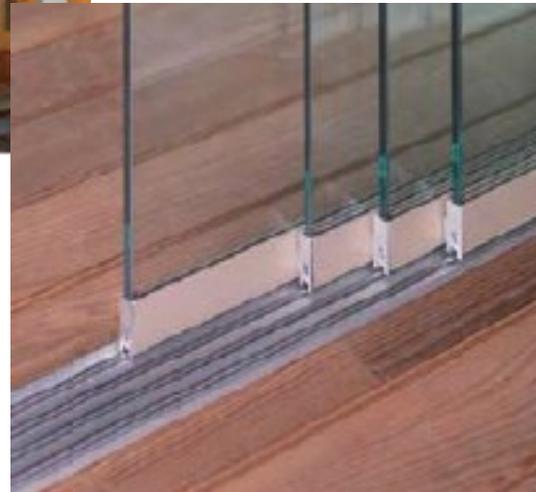
# SET FLOORING cont'



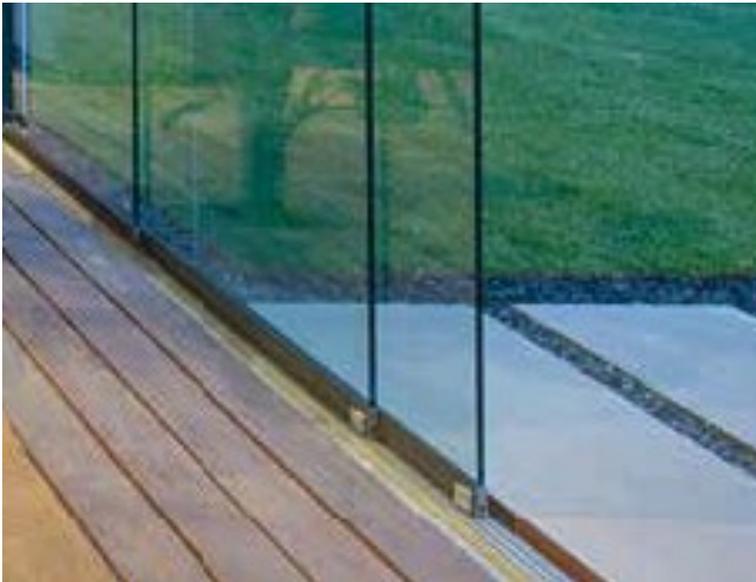
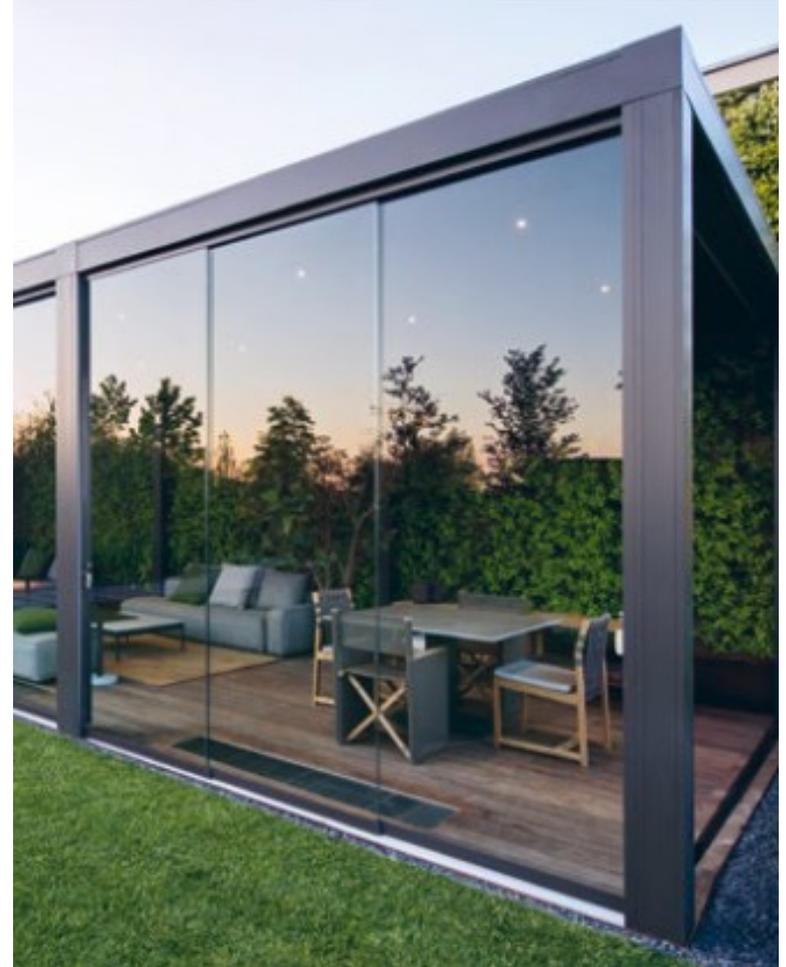
OPTIONAL: LED Lighting added



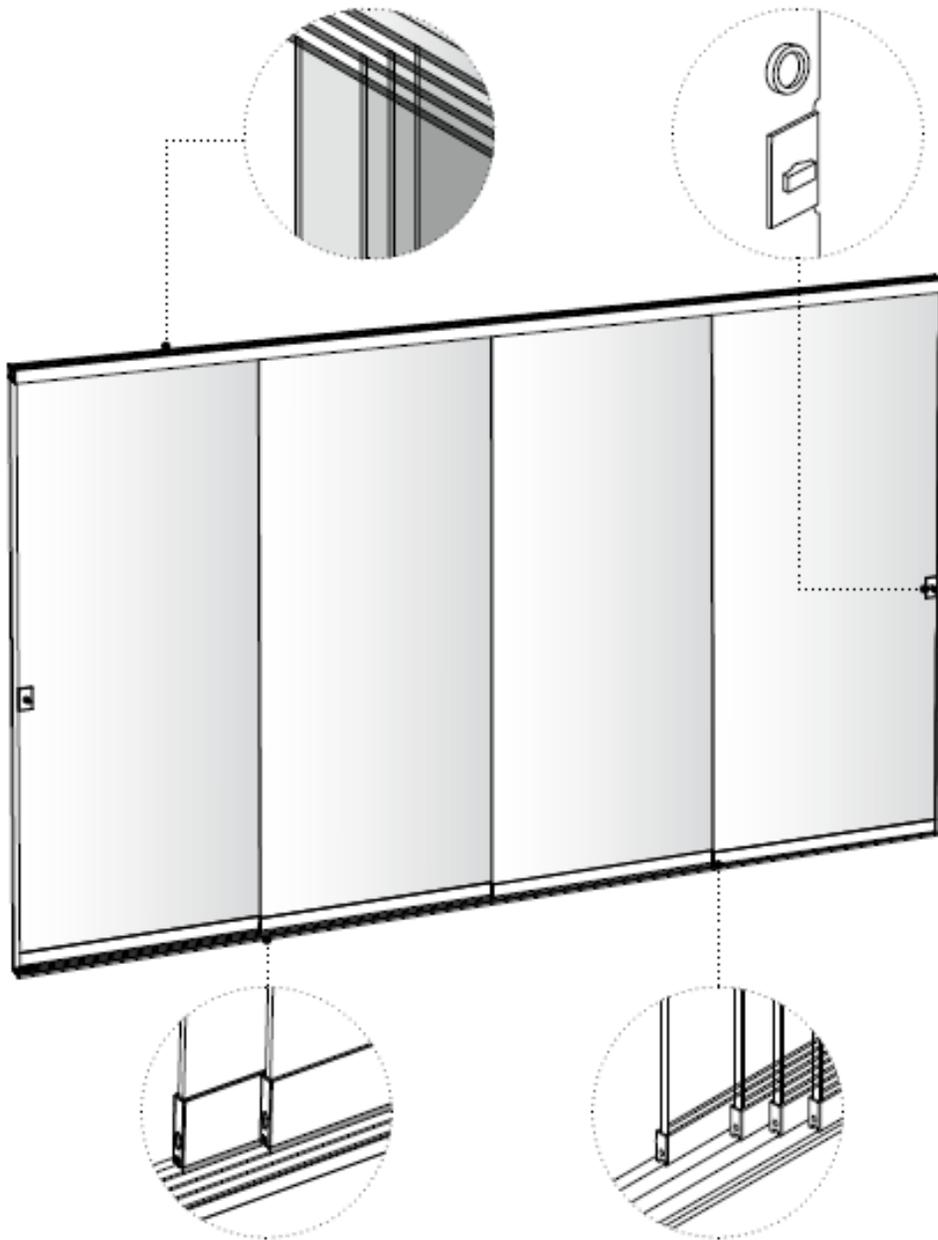
# SLIDE GLASS Options for Pergolas:



# More Installations

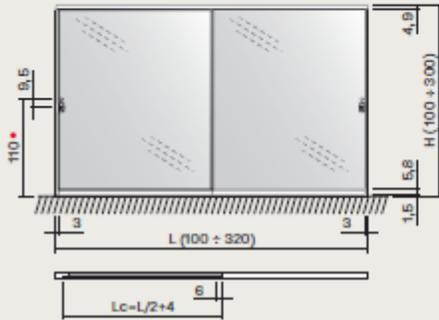


## PRODUCT FEATURES:

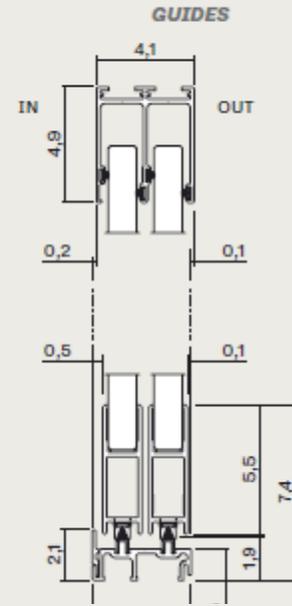
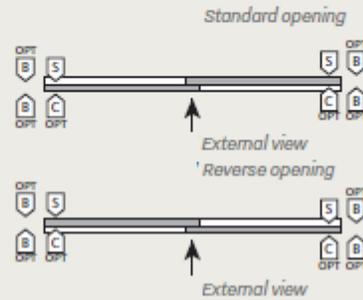


- Glass Panels with aluminum frame.
- Ideal for Bioclimatic Pergola (Rialto, Vision, and Brera S).
- Can be installed along with Raso screens on Nomo, Opera, and Brera P Pergolas also.
- Extruded aluminum Profiles.
- Stainless steel handles.
- Stainless steel trolleys with ball bearings.
- Tempered Glass 10 mm thick weighs 25 Kg. / sq./meter.
- Tempered Glass 12 mm thick weighs 30 Kg. / sq./meter.
- Two, Three, or Four way sections.
- Max Length 700cm depending on number of glass sections.
- 10mm glass available up to 250 cm High doors.
- 12mm glass available from 260 cm to 300 cm high doors.
- Lead time is longer if slide glass is added.

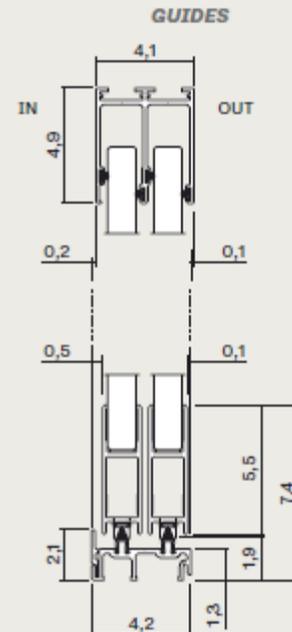
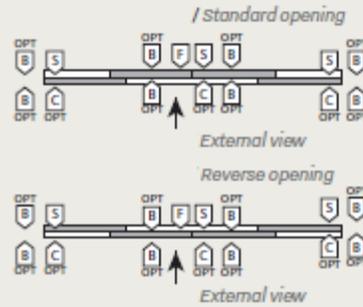
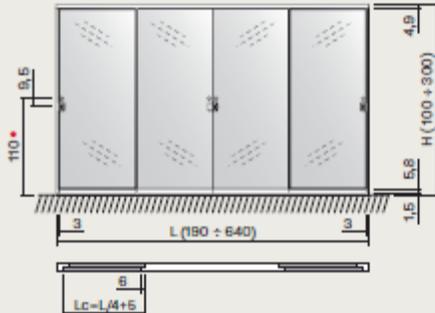
## 2 ways - 2 doors



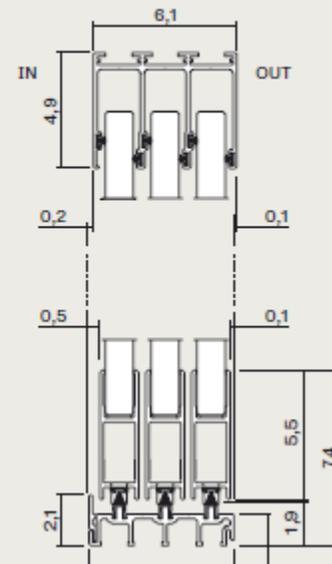
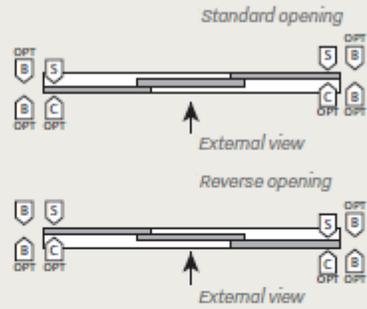
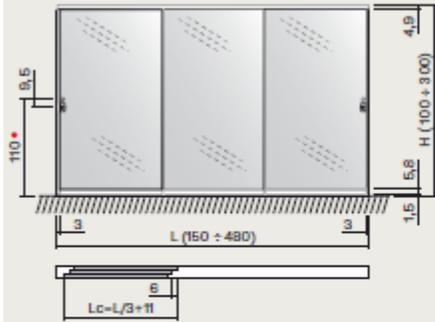
H standard of the closing "S" handle (min. H 25 cm)



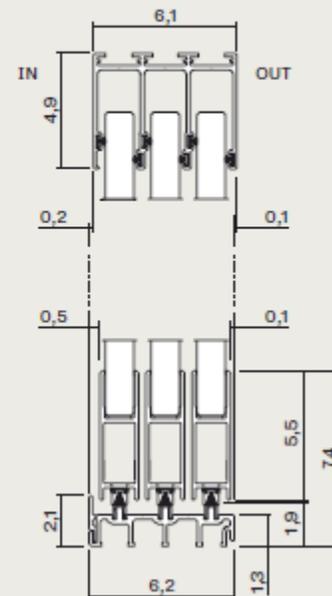
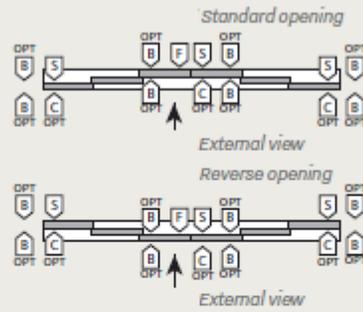
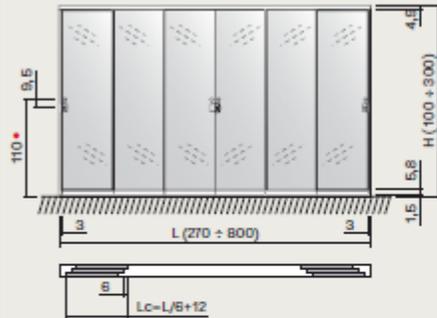
## 2 ways - 4 doors



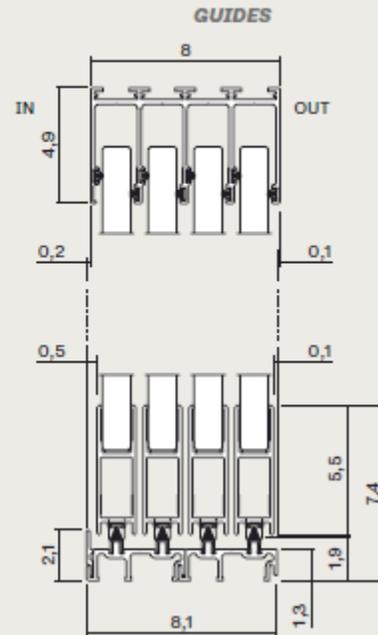
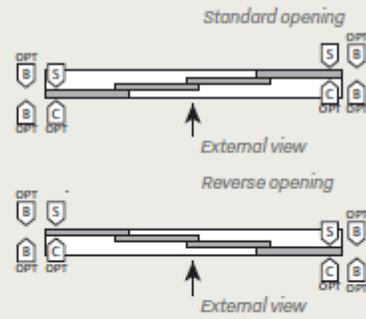
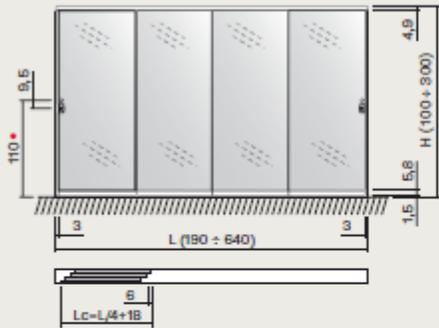
### 3 ways - 3 doors



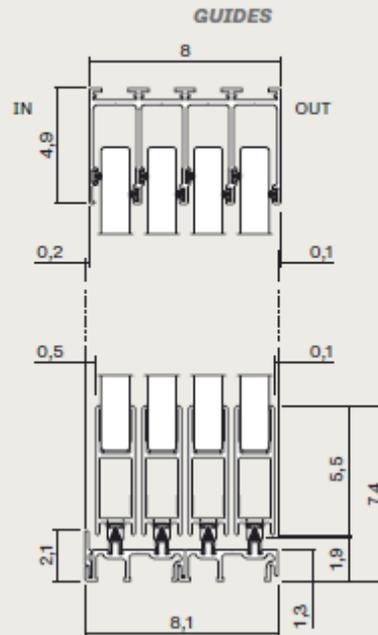
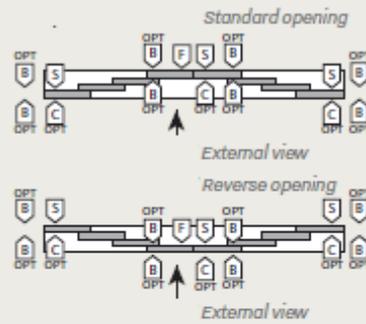
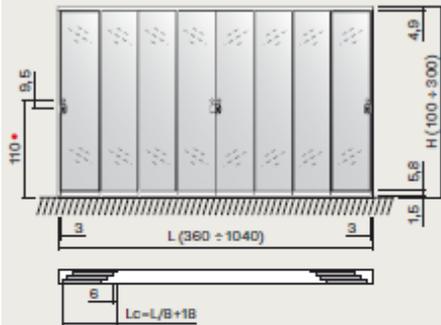
### 3 ways - 6 doors



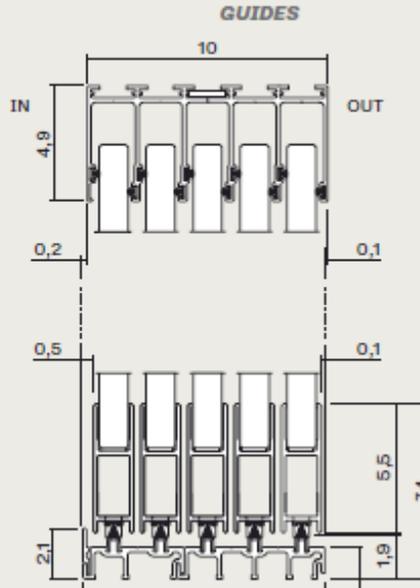
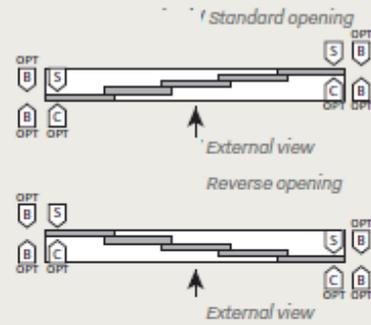
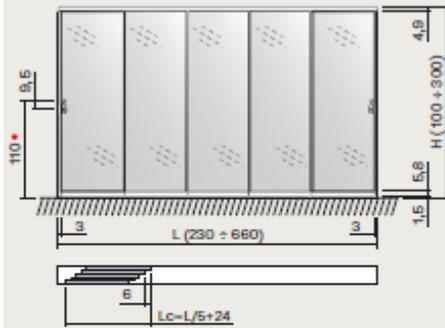
## 4 ways - 4 doors



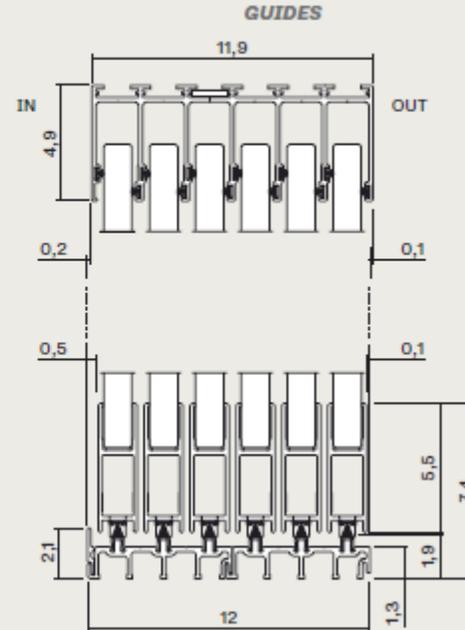
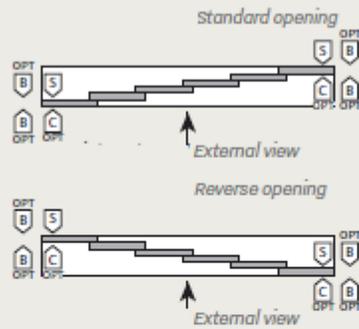
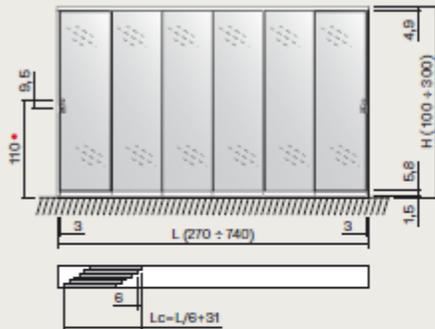
## 4 ways - 8 doors



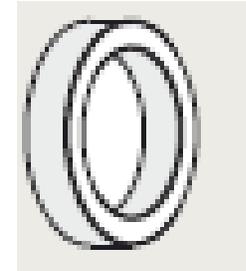
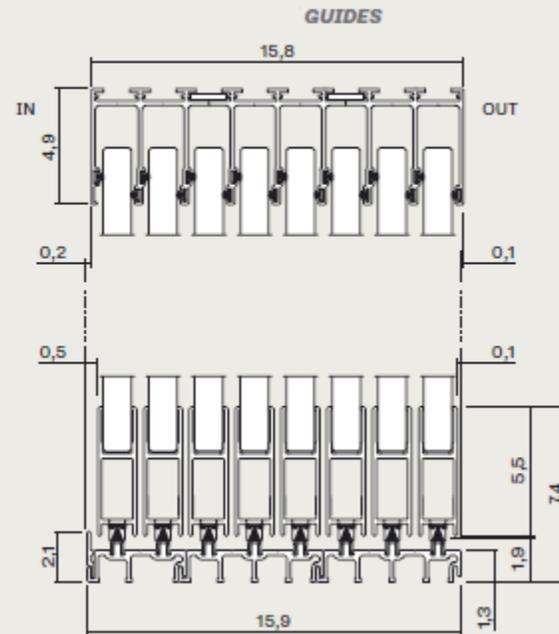
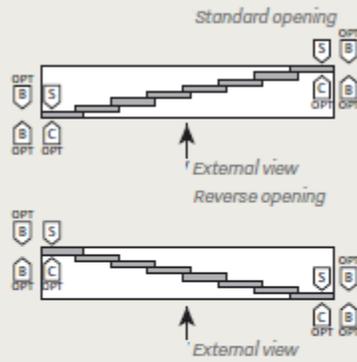
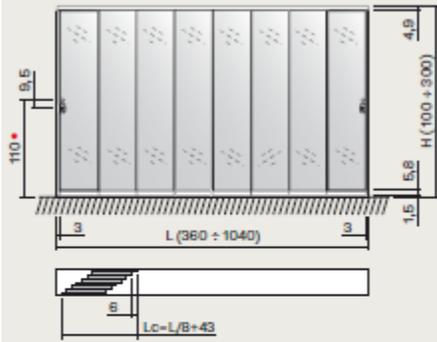
## 5 ways - 5 doors



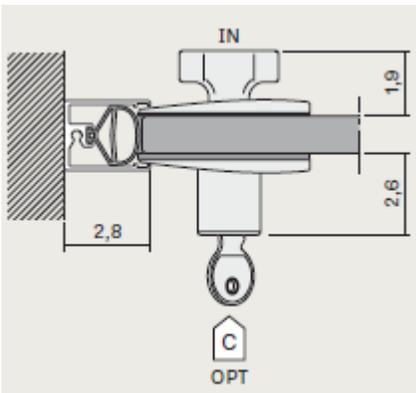
## 6 ways - 6 doors



## 8 ways - 8 doors



**Driving Handle Disk**



### **External Key Locks**

**Not compatible with Raso Screens.**

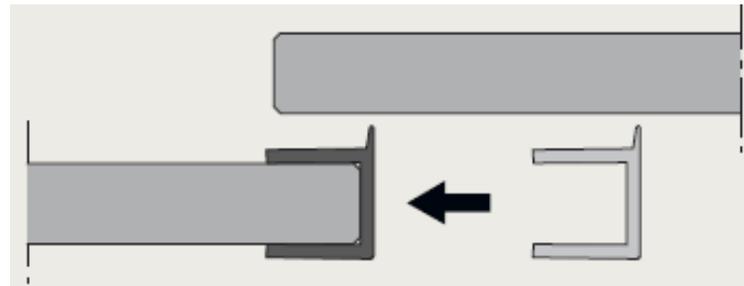
**Each Lock has a key.**

Door stop on bottom of floor track



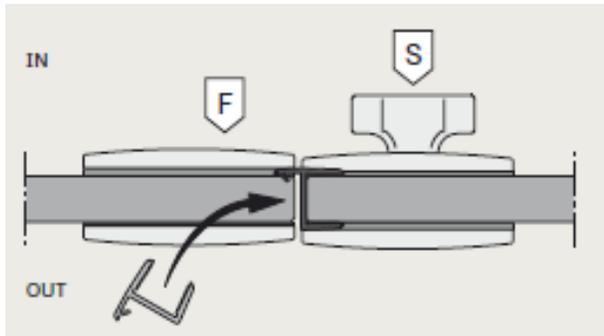
Guide side installation

Installation between Tracks



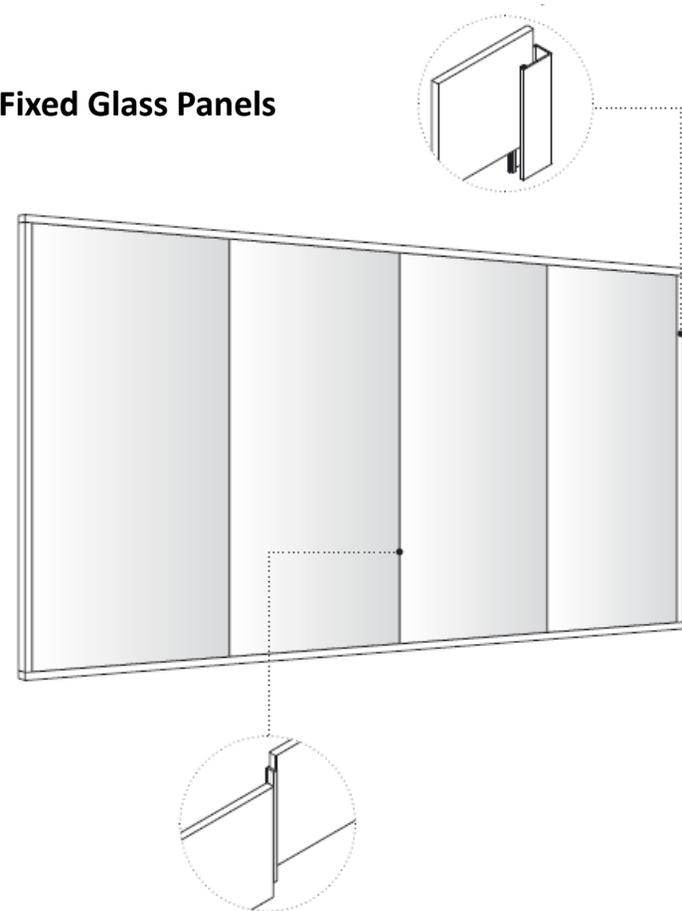
Vertical Gasket Seal:

For overlapping Doors



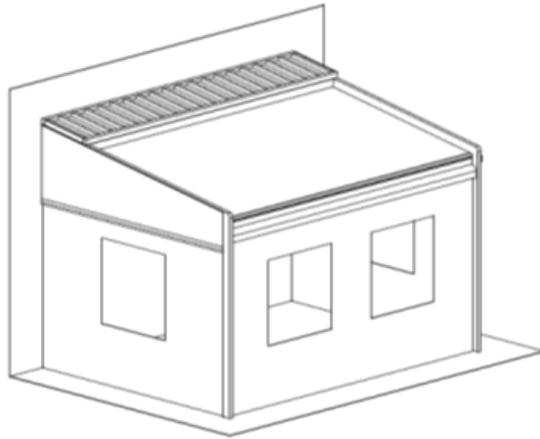
Door Seal

Optional Fixed Glass Panels



NOTES:

**Note: Sunair® reserves the right to change engineering, specifications and prices without notice. Images and Illustrations in the catalog may vary from digital and printed manuals. Sunair® is not responsible for printed inaccuracies in this manual.**



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