Model: Phoenix Pergola®

"AIR" & "FREE"

RETRACTABLE FABRIC ROOFS

SUNAIR®
ARCHITECTURAL STRUCTURES

Model: Phoenix Pergola® "AIR"

| Application	Maximum Width	Maximum Projection	Options
Free Standing & Wall Mounted Commercial & Residential	5.5 m / 18' wide	7 m free standing 22' 11" proj. 10 m wall mount 32' 9" proj.	LEDS,

PRODUCT FEATURES:

- Retractable fabric roof pergola.
- Freestanding or wall mounted Pergola system suitable for small to medium sized patios.
- All aluminum frame powder coated
- Motorized all sizes.
- Optional hood system available.
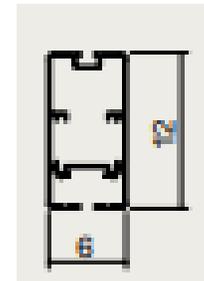- Arched Fabric or sloping to one side.
- Powered with a Somfy Motor.

SUNAIR®
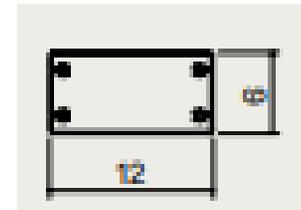### ARCHITECTURAL STRUCTURES
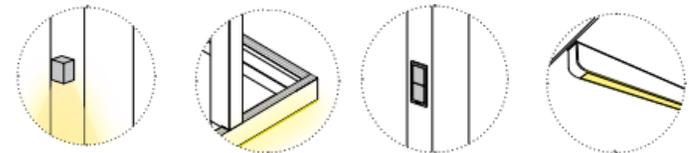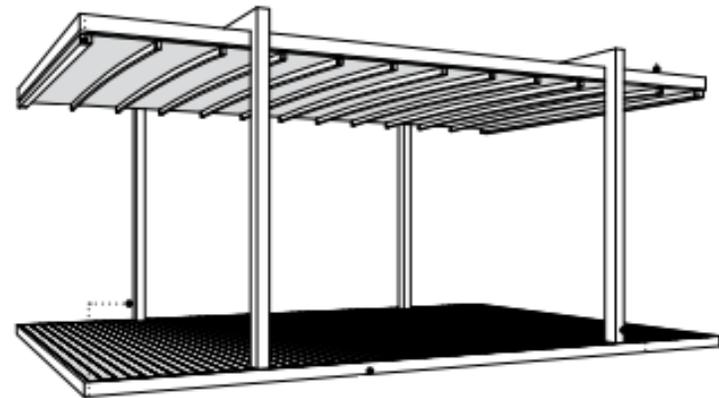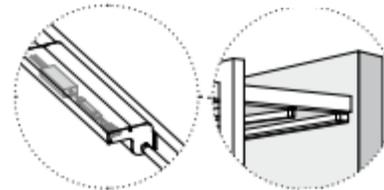
Phoenix AIR: Installations

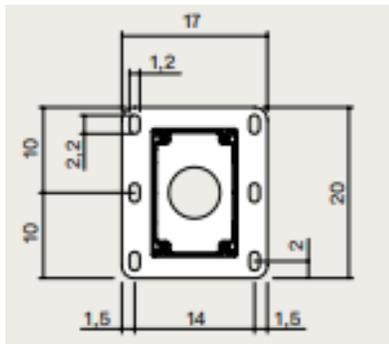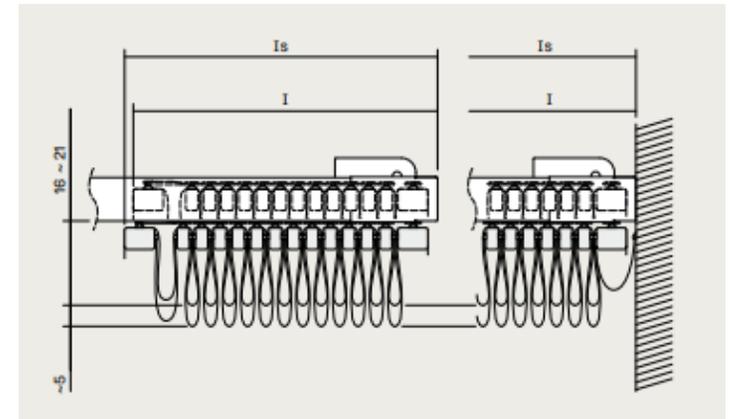# PHOENIX "AIR" Pergola® Technical information
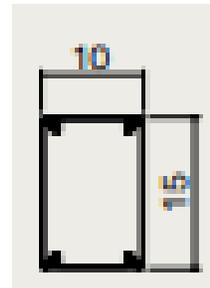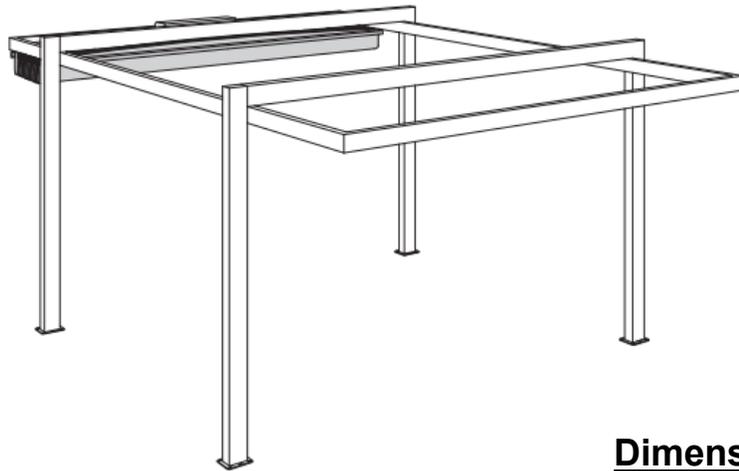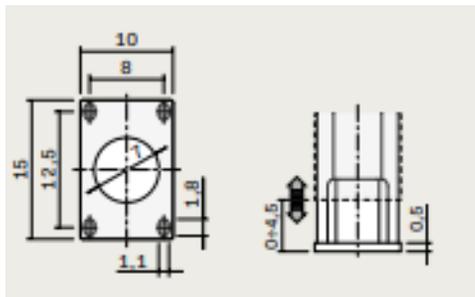
Post Profile

Guide Profile

Crossbar Profile

Dimensions:

I = Fabric assembly when retracted

Maximum post height is 270 cm (8' 8").
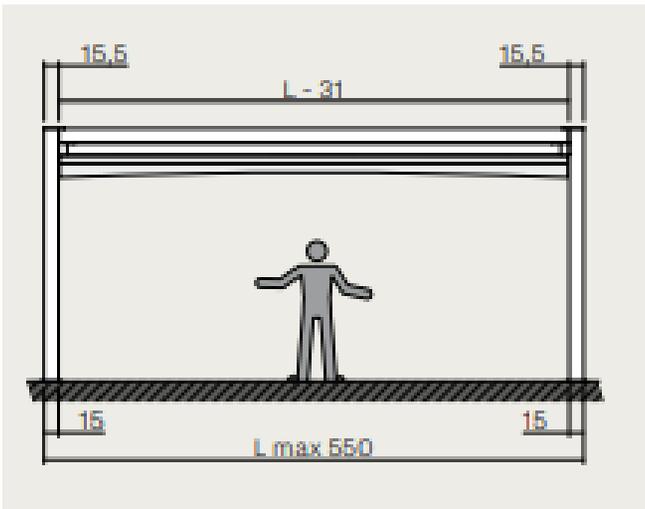
Standard
Foot Plate

Adjustable
Foot Plate
Up to 4.5 cm

P cm	/ Ribs	Phoenix Air	
		I	Is
237,9	3	44	46
323,9	5	54	57
409,9	7	64	68
495,9	9	73	78
581,9	11	83	89
667,9	13	92	99
753,9	15	102	110
839,9	17	112	121
925,9	19	121	131
1000	21	131	142

PHOENIX AIR 01L : Self / Free Standing / 2 arches / 4 posts

P max 700

L max 550

15,5   15,5

L - 31

15   15

L max 550

Front View Two Arches

P max 700

H max 270

Sp, Sa min 40cm - max 120cm
P1 > Sp + Sa

Side View Two Arches

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 7m / 22' 11"
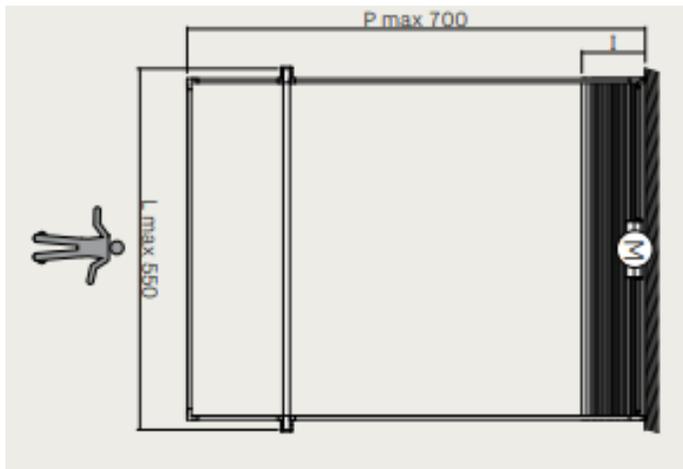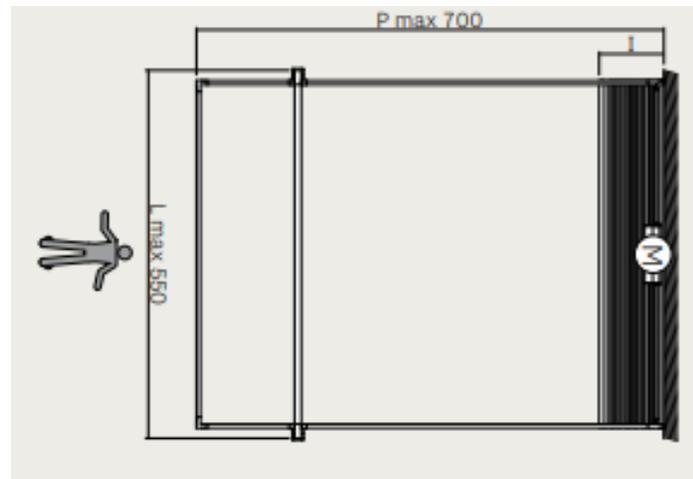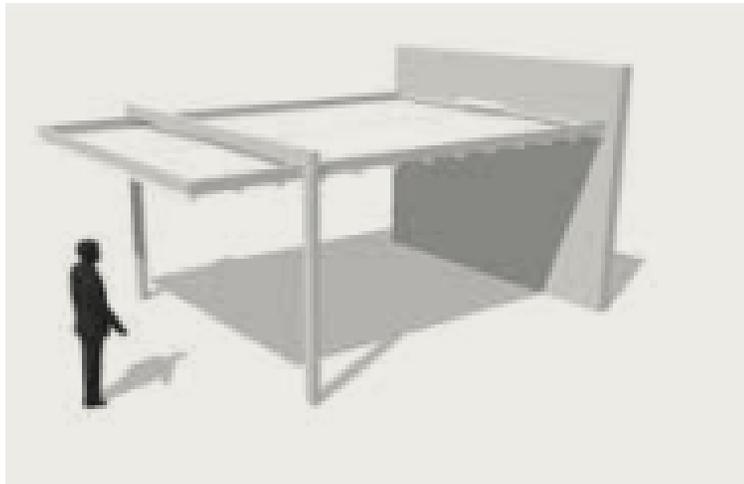
PHOENIX AIR 02L : Wall Mounted / 1 Arch / 2 posts
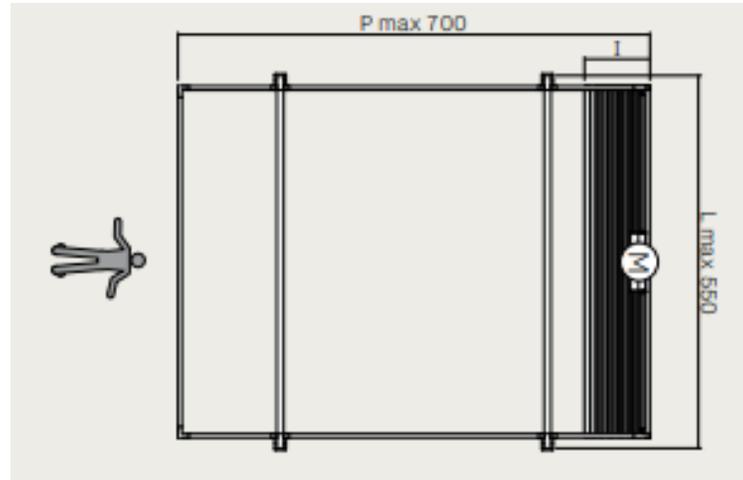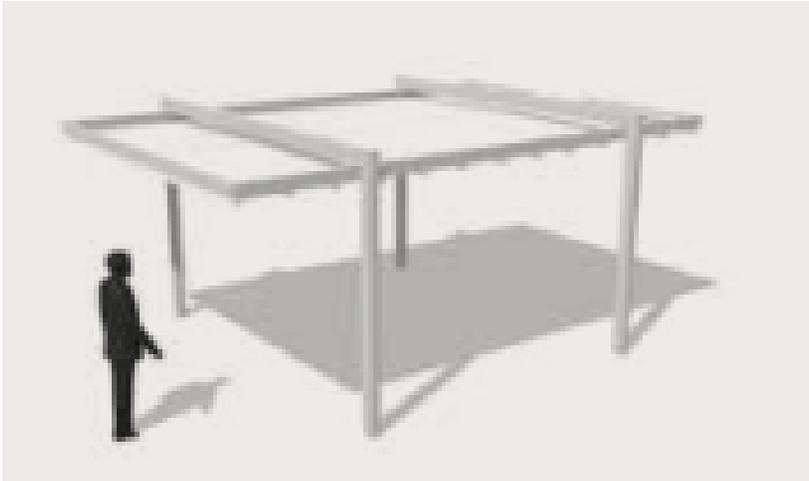
Front View Two Arches

Side View Two Arches

Sa min 40cm - max 120cm
P1 > 2 × Sa

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 7m / 22' 11"

PHOENIX AIR 01L : Self / Free Standing / 3 arches / 6 posts

Front View Three Arches

Side View Three Arches

Sp, Sa min 40cm - max 120cm
P1 + P2 > Sp + Sa
P1, P2 max 520cm

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 10 m / 32' 9"

PHOENIX AIR 02L : Wall Mounted / 2 Arches / 4 posts

Front View Three Arches

Side View Three Arches

Sa min 40cm - max 120cm
P1 + P2 > 2 × Sa
P1, P2 max 520cm

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 10 m / 32' 9"

PHOENIX AIR 01L : Self / Free Standing / 2 arches / 4 posts

P max 700

L max 550

15,5 — 15,5

L - 31

15 — 15

L max 550

Front View Two Arches

P max 700

H max 270

Sa   P1   Sp

Sp, Sa min 40cm - max 120cm
P1 > Sp + Sa

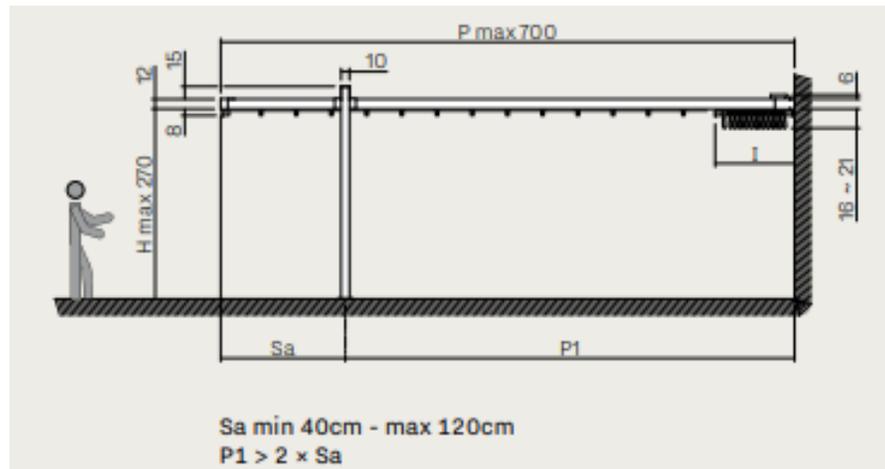Side View Two Arches

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 7m / 22' 11"

PHOENIX AIR 02L : Wall Mounted / 1 Arch / 2 posts
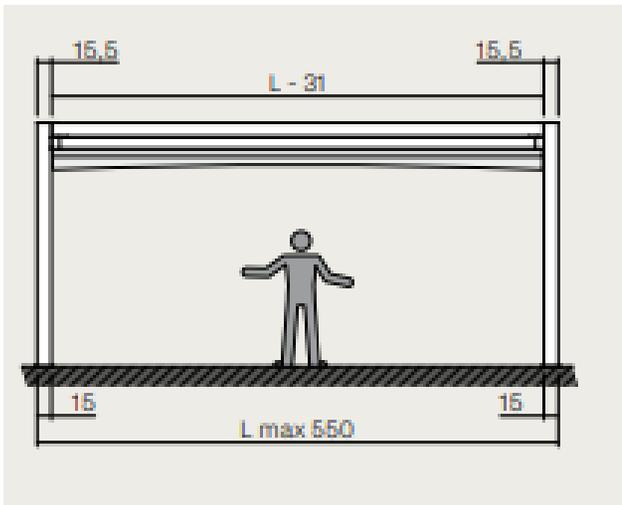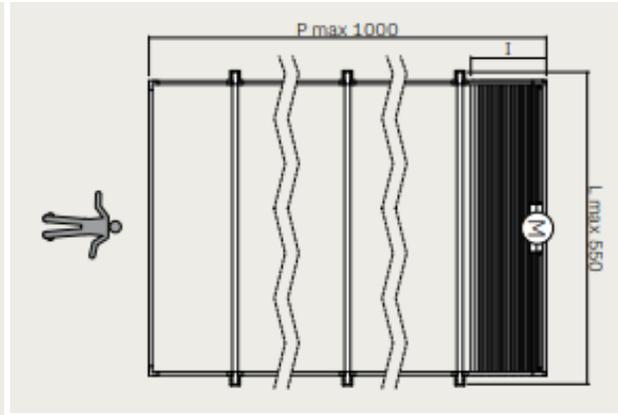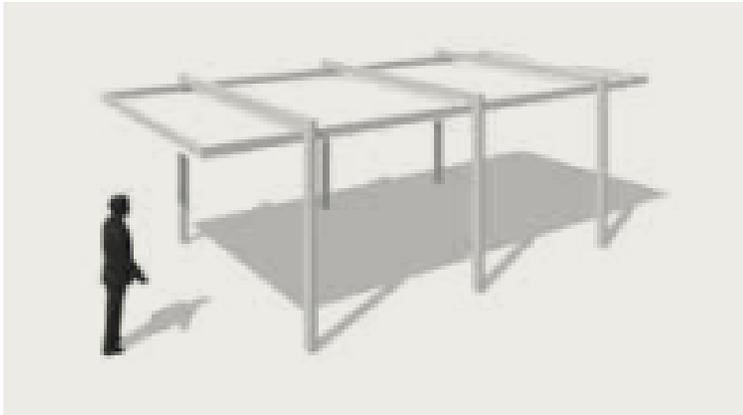

Front View Two Arches

Sa min 40cm - max 120cm
P1 > 2 × Sa
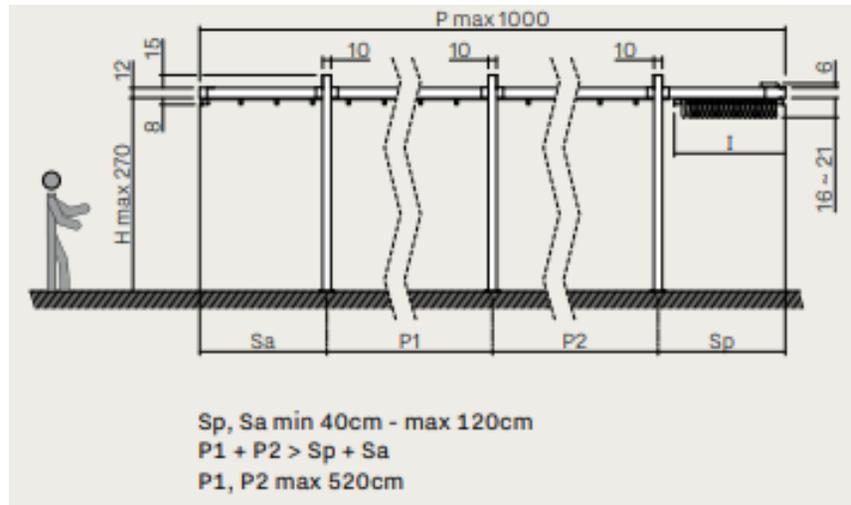
Side View Two Arches

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 7m / 22' 11"

PHOENIX AIR 01L : Self / Free Standing / 3 arches / 6 posts
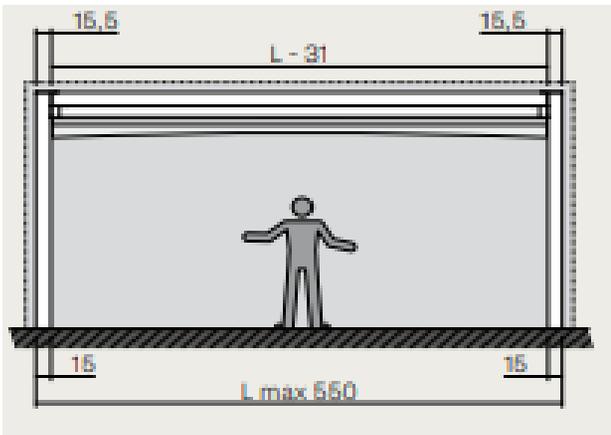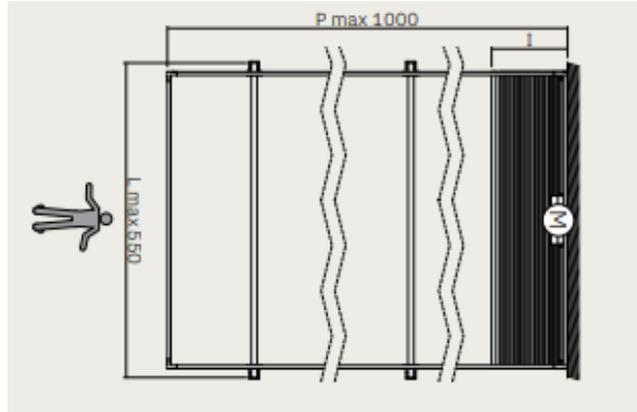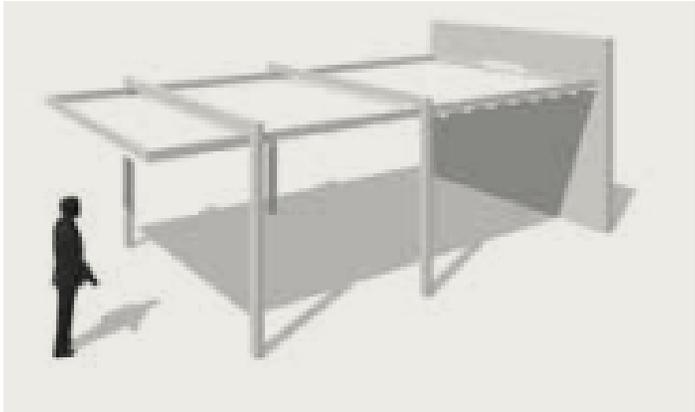

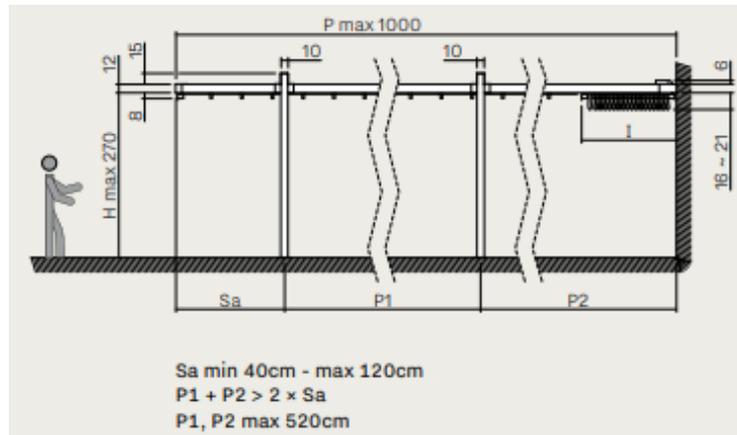Front View Three Arches

Side View Three Arches

Sp, Sa min 40cm - max 120cm
P1 + P2 > Sp + Sa
P1, P2 max 520cm

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 10 m / 32' 9"

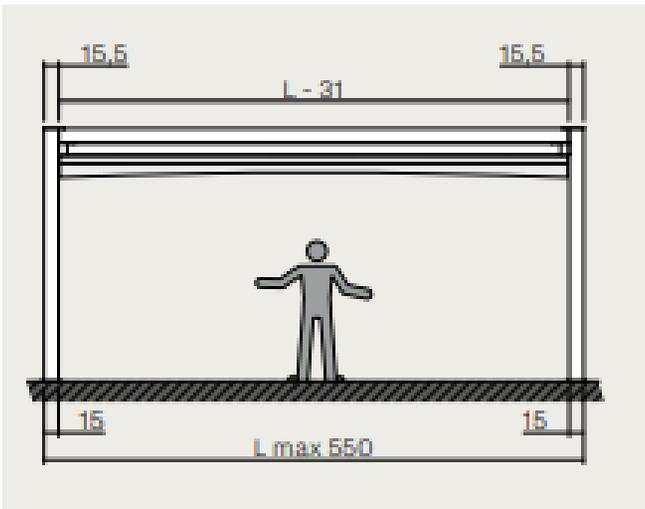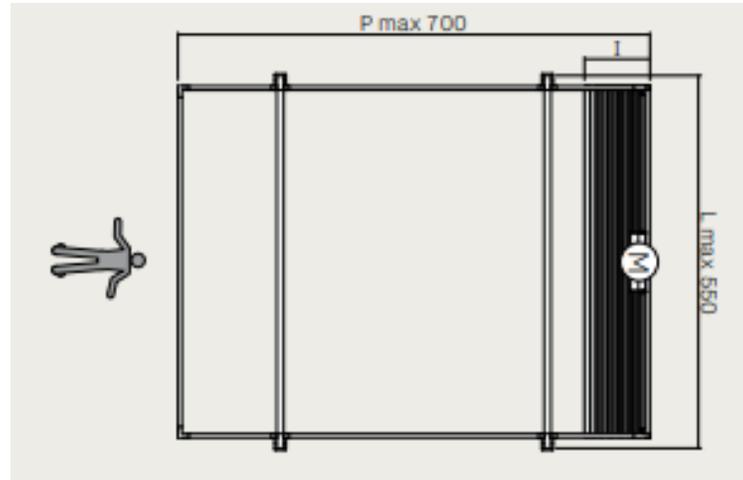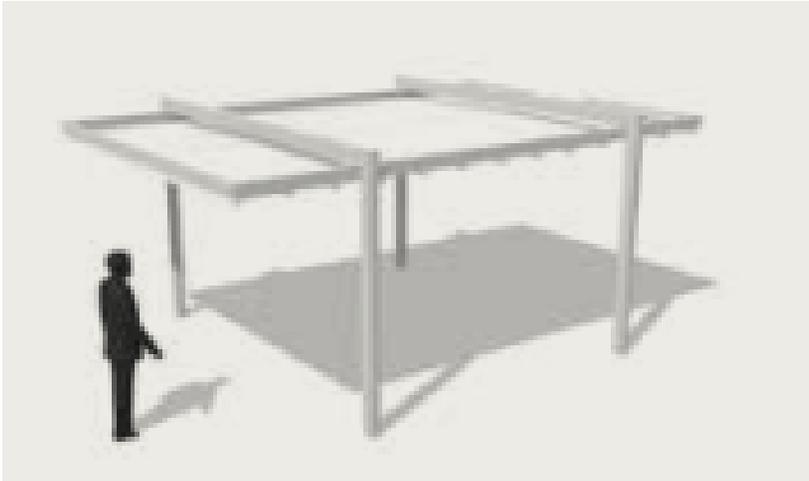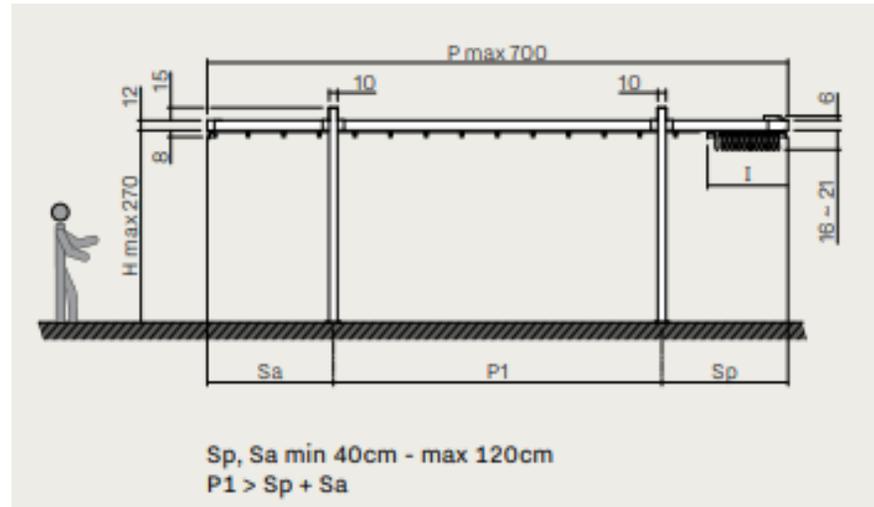# PHOENIX AIR 02L : Wall Mounted / 2 Arches / 4 posts
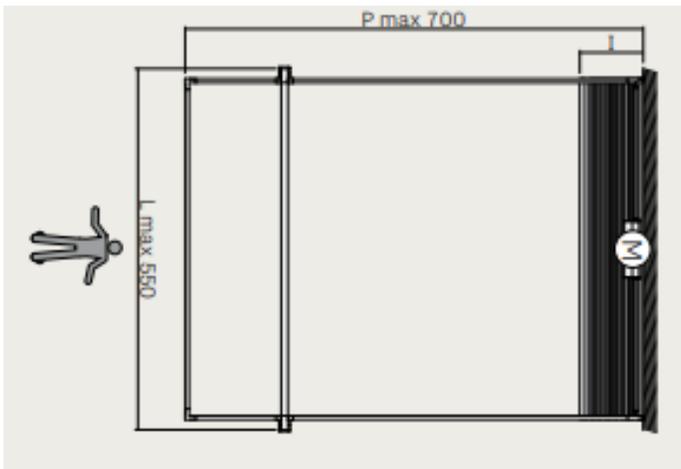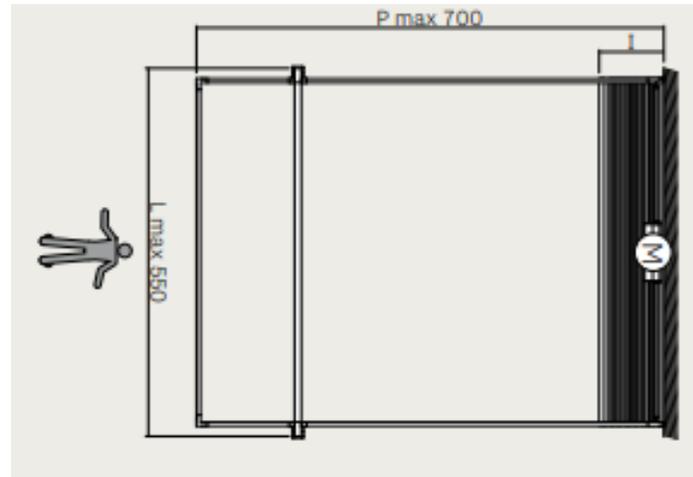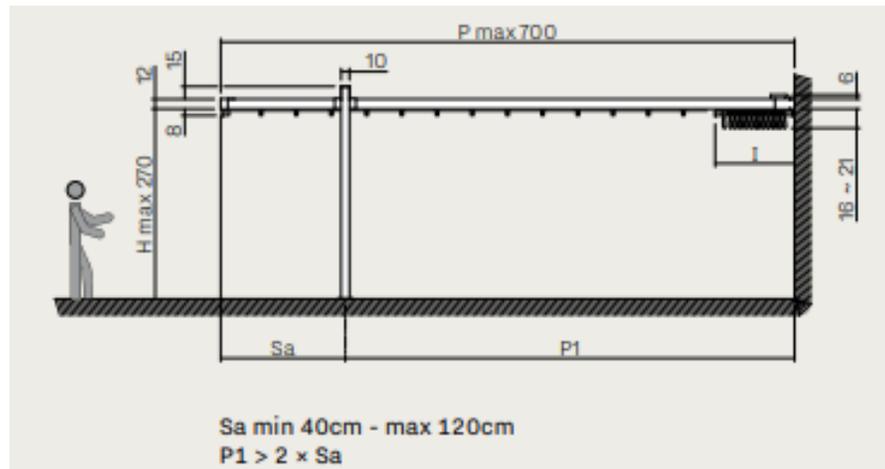

Front View Three Arches

Side View Three Arches

Sa min 40cm - max 120cm
P1 + P2 > 2 × Sa
P1, P2 max 520cm

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 10 m / 32' 9"

Model: Phoenix Pergola® "FREE"

Application	Maximum Width	Maximum Projection	Options
Free Standing & Wall Mounted Commercial & Residential	5.5 m / 18' wide	6m free standing 19' 8" proj.	LEDS,

PRODUCT FEATURES:

- Retractable fabric roof pergola.
- Freestanding or wall mounted Pergola system suitable for small to medium sized patios.
- All aluminum frame powder coated
- Motorized all sizes.
- Optional hood system available.
- Arched Fabric or sloping to one side.
- Powered with a Somfy Motor.

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ARCHITECTURAL STRUCTURES
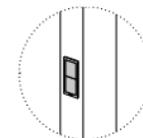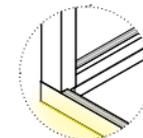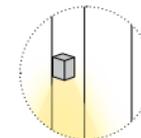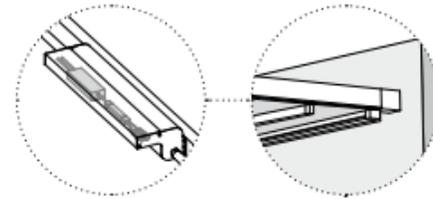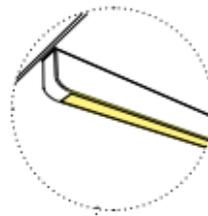
Phoenix FREE: Installations

PHOENIX "FREE" Pergola® Technical information
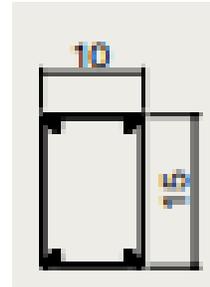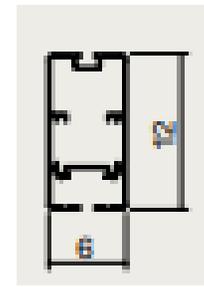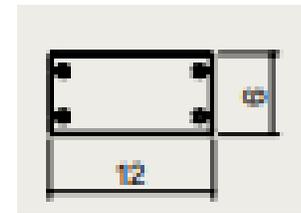
Post Profile

Guide Profile

Crossbar Profile

Dimensions:

I = Fabric assembly when retracted

Maximum post height is 270 cm (8' 8").
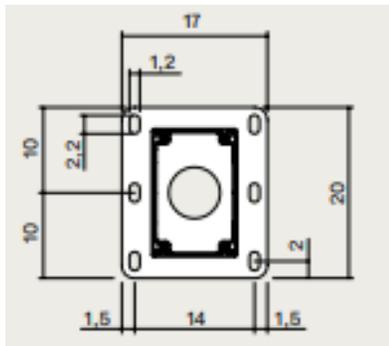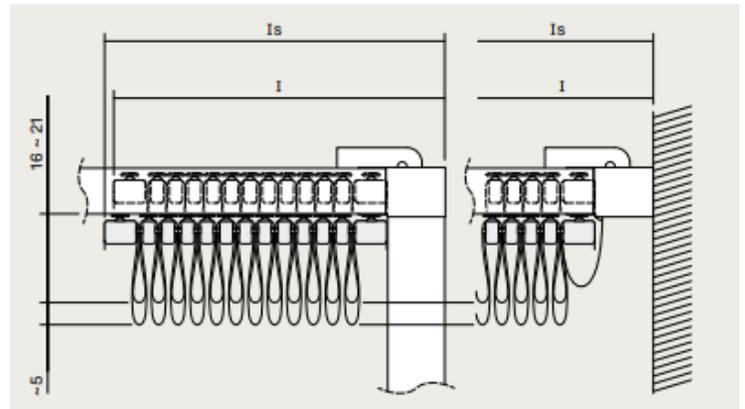
Standard Foot Plate
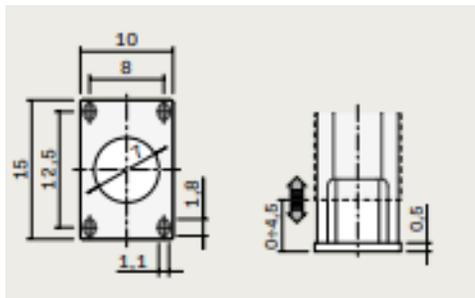
Adjustable Foot Plate

Up to 4.5 cm

P cm	Rompitratta / Ribs	Phoenix Free	
		I	Is
237,9	3	48	51
323,9	5	57	61
409,9	7	67	72
495,9	9	77	83
581,9	11	86	93

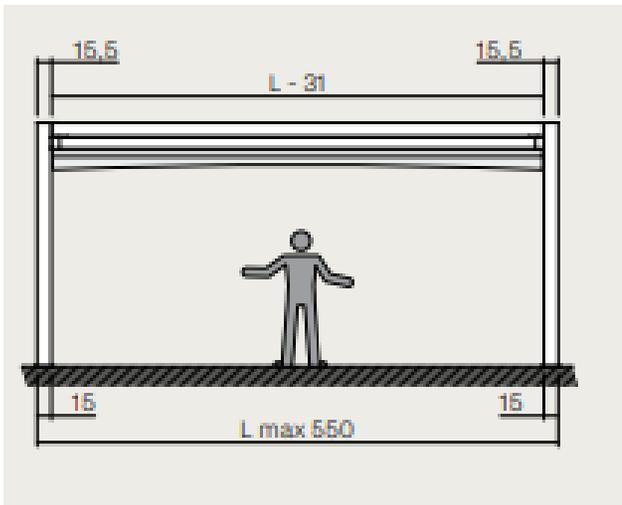# PHOENIX FREE 01L : Self / Free Standing / 4 posts
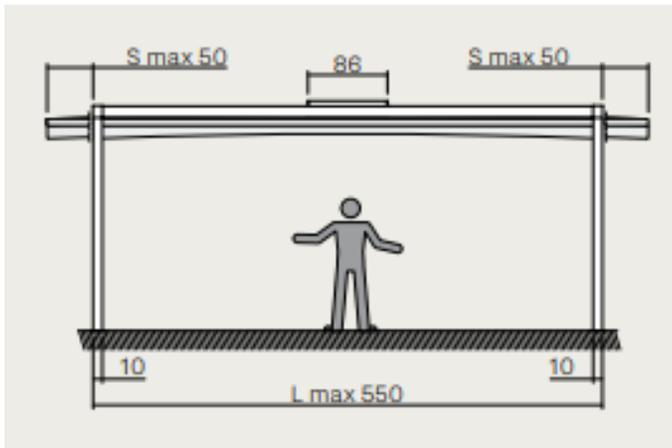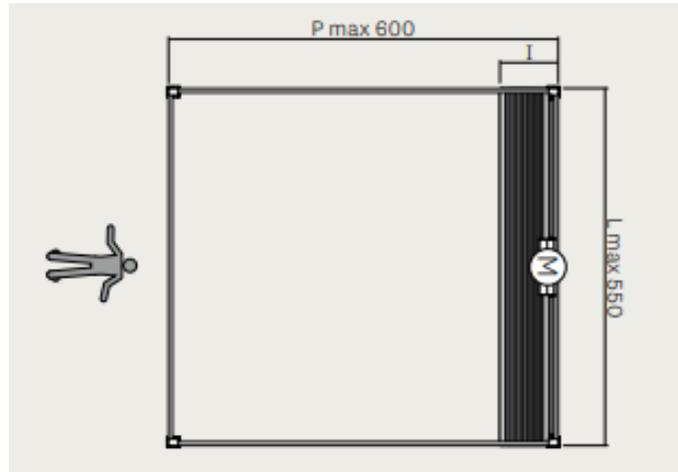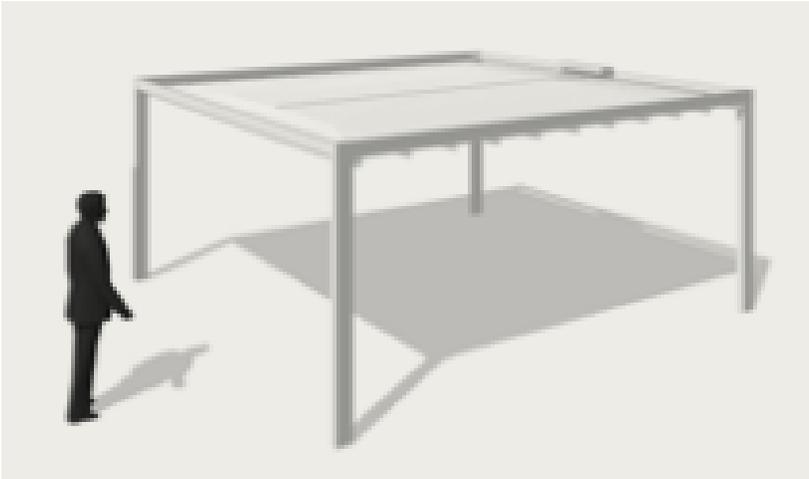
Front View
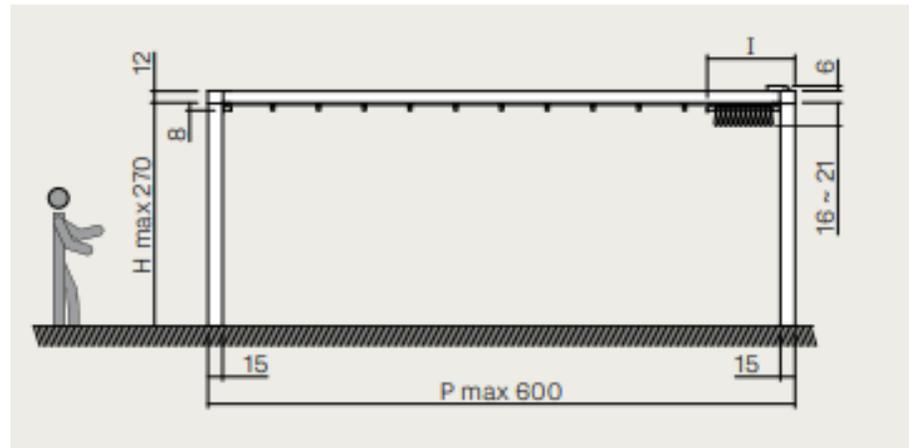
Side View

System with 4 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 6 m / 6' 8"

PHOENIX FREE 02L : Self / Wall Mounted / 2 posts
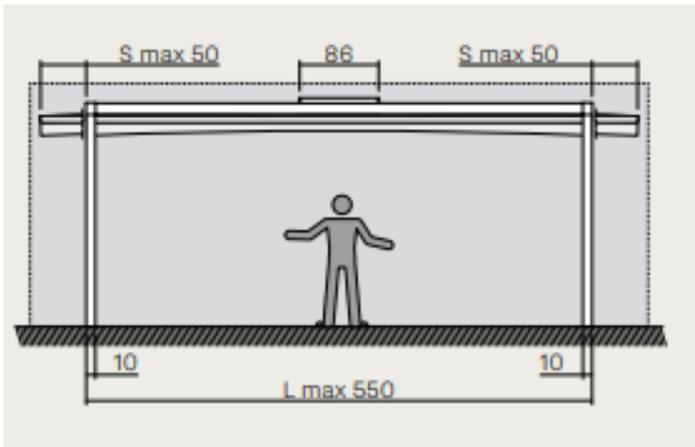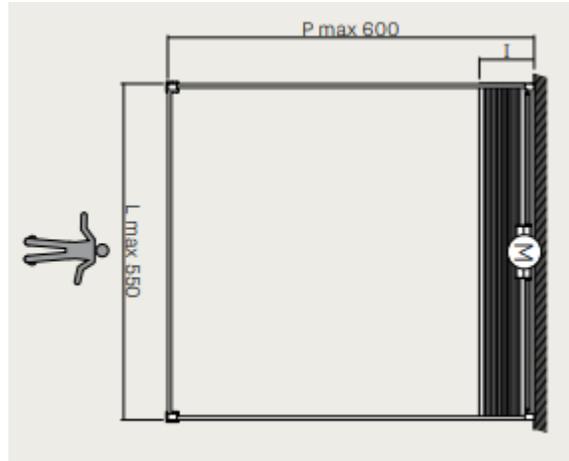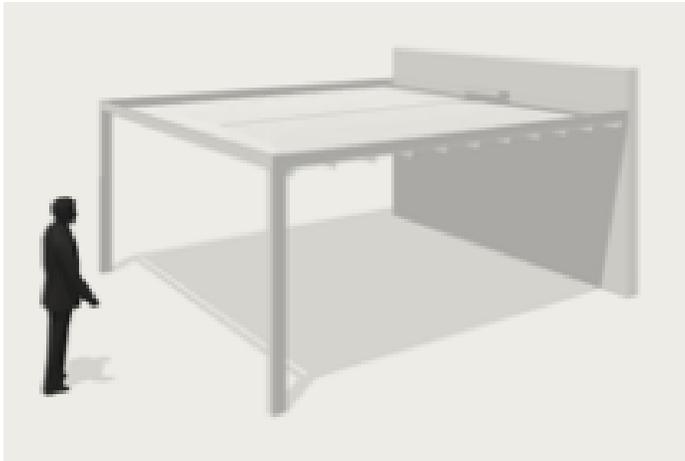
Front View
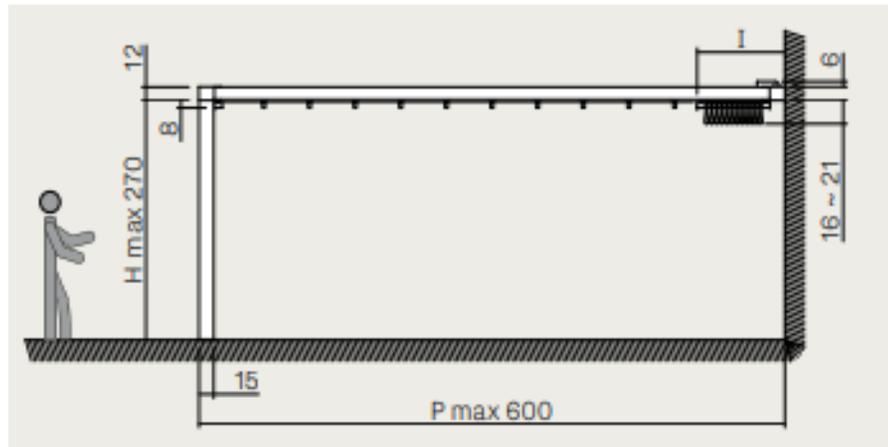
Side View

System with 2 posts / 1 span fabric

L Max 5.5 meters / 18 ft.   P Max 6 m / 6' 8"

# PRATIC PERGOLA® FEATURES AND PATENTS

NOTE: Features will depend on Pergola model chosen.

The patented drip catcher keeps water from flowing off the sides when the wind is pushing water sideways. Instead the water will flow off the front or into the gutter (Traditional Pergola models only).
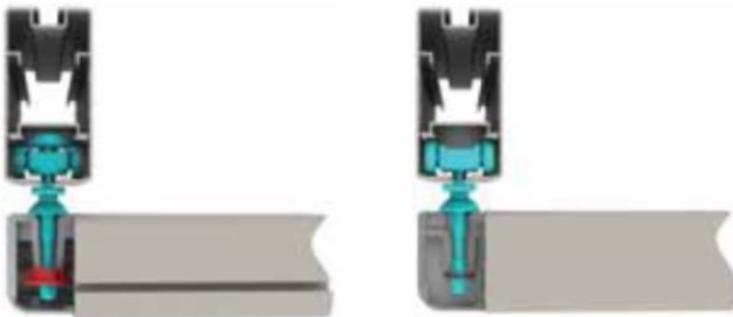
The patented click system allows for easy and safe installation of the fabric and fabric ribs to the frame carriages using an easy click and lock system. This patented safety box for the motor installs on the frame with an extra mounting profile. This feature keeps the fabric perfectly straight even in temperature variations. The device makes operating easy and quieter and also stops the motor from operating in case of excessive force. The box is ideally suited for Somfy RTS Altus motors with remote controls (Traditional Pergola models only).
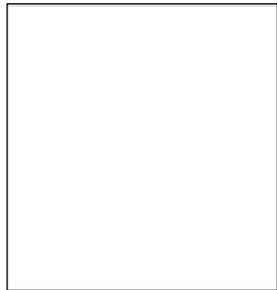
WHITE Gloss
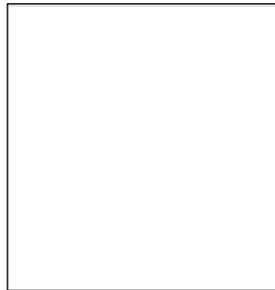
Ral 9010

WHITE SAND

Coarse Ral 9016

IVORY SAND

Ral 1013 Coarse
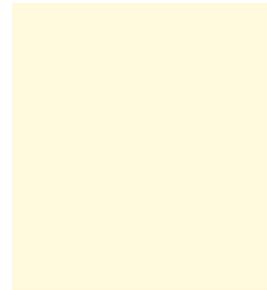
IVORY / SEMI
Gloss Ral 1013

GREY SAND

Gloss Ral 9006

BRIGHT ALUM

Matt Ral 9006

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

CORTEN

Coarse

IRON GREY

Coarse

OPTIONAL

FULL RAL COLOR RANGE / EXTRA COST

SUNAIR®

ARCHITECTURAL STRUCTURES

**NOTE:** _ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES_

Serge Ferrari

SUNAIR ®
ARCHITECTURAL STRUCTURES
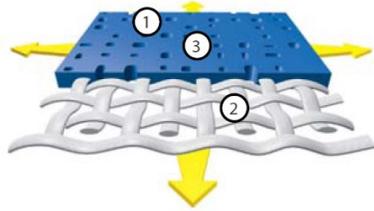
602-8503-98" White 602
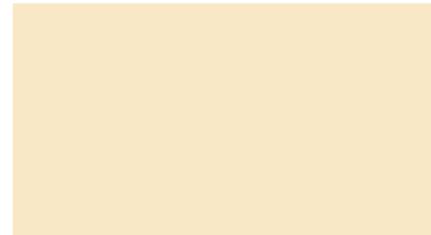
602-50020-98" Cream 602

The Precontraint 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 PERGOLA & SCREEN FABRIC COLORS

502 PROOF SOLTIS / *OPAQUE SATIN FINISH COLORS*

The Precontraint 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.

502V2-8102C	502V2-2171C	502V2-2168C	502V2-2167C	502V2-8450C	502V2-8341C	502V2-8861C	502V2-50265C	502V2-2135C	502V2-2141C
502V2-2138C	502V2-2012C	502V2-2148C	502V2-2137C	502V2-2158C	502V2-50668C	502V2-50669C	502V2-50670C	502V2-8056C	502V2-2156C
502V2-2152C	502V2-8255C	502V2-2150C	502V2-8204C	502V2-2172C	502V2-20185C	502V2-50674C	502V2-2166C	502V2-50671C	502V2-50675C
502V2-50672C	502V2-50676C	502V2-50270C	502V2-50673C	502V2-50677C	502V2-2160C	502V2-2161C	502V2-1125C	502V2-2157C	502V2-8284C

satin finish

5 year warranty from Ferrari on a retractable system

Serge Ferrari

Soltis Horizon 86

Serge Ferrari
14 % Open Screen Mesh

SUNAIR
ARCHITECTURAL STRUCTURES

Raso Screen
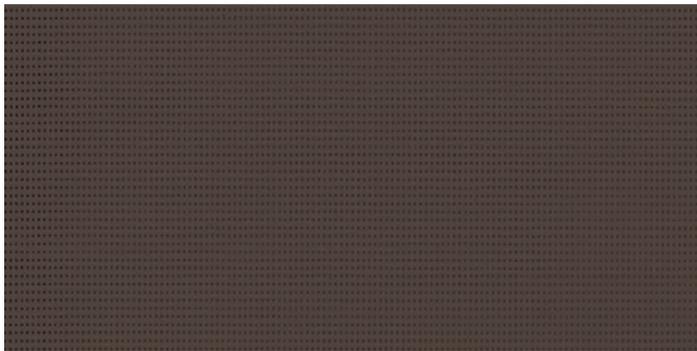
86-2043
Bronze
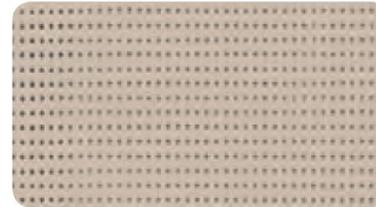
86 – 2135
Sandy Beige
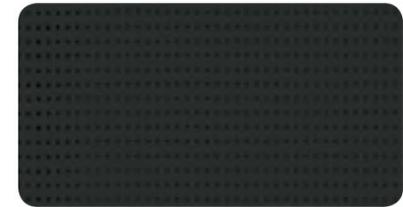
86 – 2053
Black
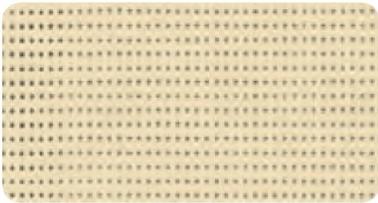
86 – 2175
Champagne
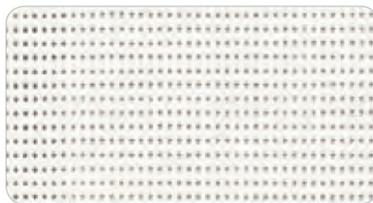
86 – 2044
White
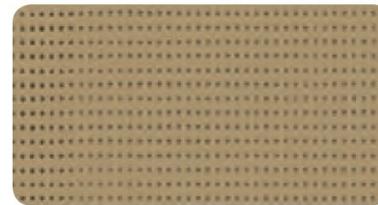
86 – 2012
Pepper

86 – 2171
Boulder

▪ Technical properties

Openess factor	14%
Weight	380 g/m² — 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®

Note:

Opera and Vision Louvered systems uses a different Linak motor and remote.

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

PHOENIX PERGOLA® MOTORS

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

Altus 525/530 Phoenix Air and Free

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

	525A2	530R2
Torque	25 Nm	30 Nm
Nominal Voltage		120V/60Hz
Rated Current	1.6A	1.5A
Speed	20 rpm	14 rpm

Type of power cable

**RTS
120V AC / 60Hz
3 conductor cable**
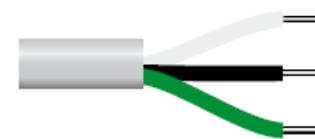
white = neutral

black = hot

green = ground

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

5 year Warranty somfy

somfy® Building happiness

MOTOR SAFETY BOX DIMENSIONS

99.6
91.2
85.7
5.4

/ Transmission shaft

12.6
17.1
5
10
10

8.5
20.9
10.4
10
5

SAFETY BOX
BREVETTO DEPOSITATO
PRATIC

SUNAIR
ARCHITECTURAL STRUCTURES

somfy.
It can be integrated with
Somfy automated devices.
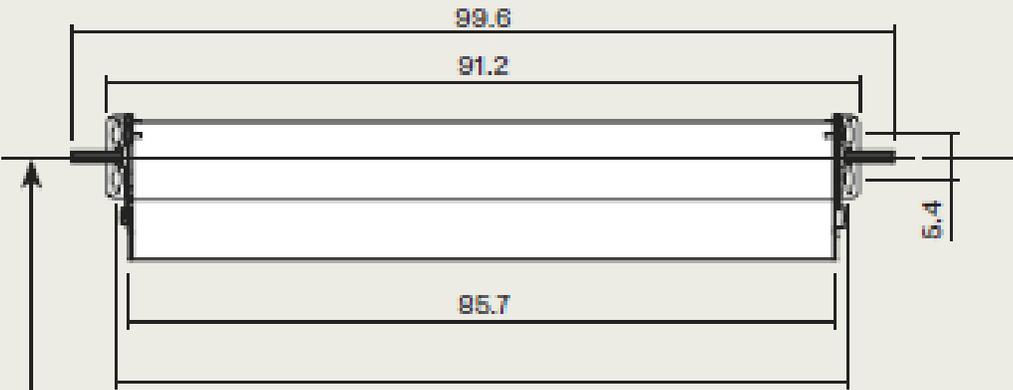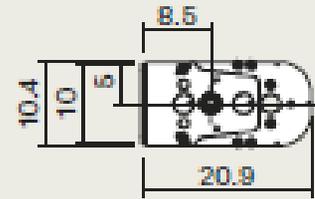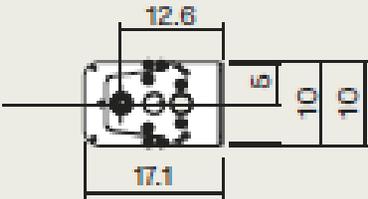
SOLIRIS RTS 24V KIT

Sun & Wind Sensor

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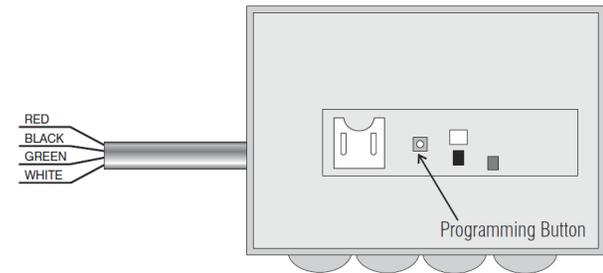

ONDEIS® WIREFREE

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.

RED
BLACK
GREEN
WHITE

Programming Button

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 (Battery powered. Battery designed top last at least 2 years.

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.

amazon alexa

somfy®
myLink™

PHOENIX LED OPTIONS:

LED / WHITE only or RGB Perimeter

REMOTE

CONTROLLED

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.**

SUNAIR ®
ARCHITECTURAL STRUCTURES

NOTES:

SUNAIR®
ARCHITECTURAL STRUCTURES
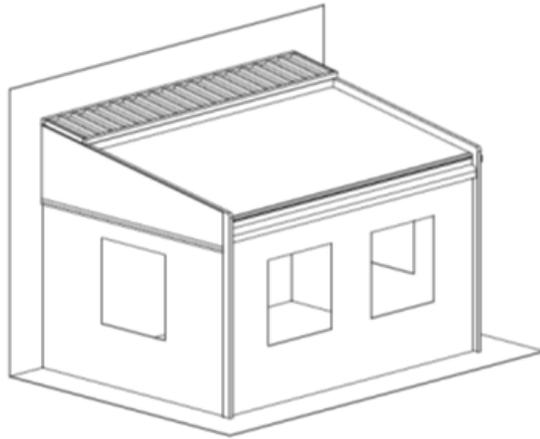
SUNPROOFING AMERICA!

MARYLAND LOCATION

Mailing: P.O. Box 1068

Shipping: 7785 Rt. 175

Jessup, MD 20794

Toll Free	800 - 548 - 0408
Phone:	410 - 799 - 1145
Fax:	410 - 799 - 5584

ARIZONA LOCATION

Mailing: Same as Jessup

Shipping: 3807 West Thomas Rd.

Phoenix, AZ 85017

Toll Free	877 - 272 - 3920
Phone:	602 - 272 - 3920
Fax:	602 - 272 - 3925

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