

BIOCLIMATIC ALUMINUM PERGOLA



SUN PROTECT



Premium finish

- designed and manufactured in France -

Sun protection version

- 160x26 oval blades -

Waterproof version

- 160x32 blades -

Motorization

- standard on all our models -

Aesthetic

- Neat and discreet assemblies -

100% aluminum Frame





Each implementation project has a specific character, depending on the shape, the installation support, the exposure, the characteristics of the location.

So much data that must be the subject of meticulous studies.

Our job is to analyze in detail all the parameters techniques and to bring you the best solutions.

All our products are designed and manufactured in France, for you provide high-end products and quality service.

Summary

SUN PROTECT: aluminum bioclimatic pergola

PRESENTATION AND ADVANTAGES OF THE RANGE

OUR MODELS: Pergola SPR01

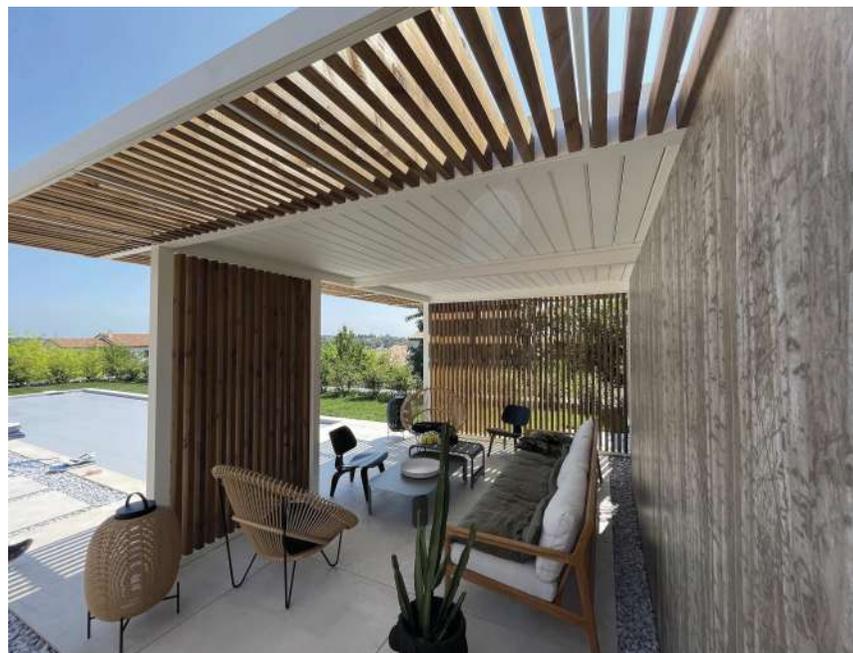
Pergola SPR02

Pergola SPR02.2

Pergola SPR03

THE OPTIONS

LEARN MORE: The awning fabrics
Facade with fixed blades
Finishes
100% tailor-made projects...



Aluminum bioclimatic pergola. Solar protection only or waterproof version. Motorized pergola as standard for all models. Designed and manufactured in France

Guarantee: materials 5 years, equipment 2 years. Parts and postage

SPR01 - Colomiers, Haute-Garonne (31)



Benefits

Sustainable and ecology

The Sun Protect range is designed and manufactured in France. The choice of materials (thermo-lacquered aluminum and stainless steel), research of maximum efficiency, optimal design, have enabled the development of a product combining aesthetics, reliability and durability. Aluminum is a renewable product.

Minimal maintenance

Beyond its aesthetic and functional qualities, the Sun Protect bioclimatic pergola, thanks to the powder coating process, has a coating with an unequalled lifespan. The entire structure and the aluminum elements are powder-coated.

Simplified installation

The Sun Protect range has been designed to facilitate its installation. Innovative joining system between profiles. Perfectly integrated drive and motorization. Fixing posts without plates.



SPR02 - Montpellier - Hérault (34)



From the standard pergola to custom projects, we support you to make your dreams come true.

A clean and minimalist design - A pergola made to measure

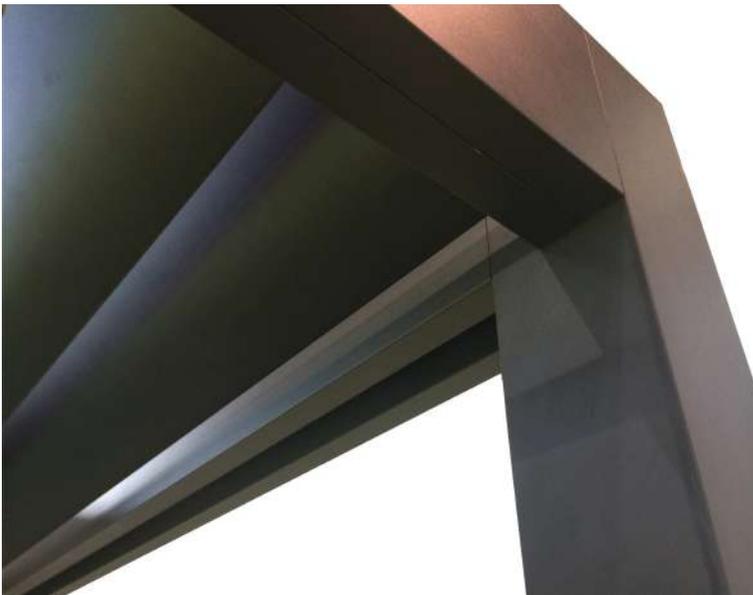
The requirement in the design and development of the Sun Protect range has made it possible to develop a product with a clean design.

The sections of the profiles of the Sun Protect range are sized to highlight your outdoor spaces, and to adapt harmoniously to your environment.



ASSEMBLY OF ELEMENTS

- without visible fixing -



INVISIBLE WATER DRAINAGE

- perfectly assembled aluminum profiles -



QUALITY OF MATERIALS

- powder-coated aluminum structure -

- stainless steel screws -

- thermo-lacquered flanges -





Benefits

BIOCLIMATIC PERGOLA

The SUN PROTECT range, a bioclimatic pergola with an aluminum structure. A complete roof made from aluminum profiles, allowing the opening, closing and precise orientation of the upper slats.



THE SUN PROTECT RANGE

- protects your home from solar radiation in summer
- allows maximum sunshine in winters
- ensures precise brightness adjustment
- promotes natural ventilation of your terrace



Custom product:

- self-supporting model (4 or 6 posts), wall-mounted (2 or 3 posts)
- custom post height
- custom dimensions and coupling of pergolas
- colors of your choice (structure and roof)

Aluminum structure:

- 100x100, 120x120 section posts
- 150x30 and 200x40 section crosspieces
- pivoting blades 160x26 or 160x32
- invisible joints, perfect finish

Climatic comfort:

- the blades of the roof are oriented at 140°
- management of brightness, sunshine
- adjustment of solar gain
- rain protection (model SPR02 and SPR03)

The roof:

- oval (SPR01) or rectangular (SPR02), Z-shaped (SPR03) blades
- lateral drainage and water descent via the posts
- 140° adjustable blades by motorization
- silent and reliable operation

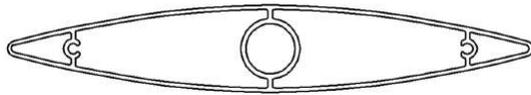
From the remote control, the blades are oriented with precision to modulate natural light, eliminate parasitic reflections and protect the interior from solar radiation.

The slats of the pergola are oriented to protect the interior from prying eyes while allowing natural light to filter through

Our models

To meet all your needs and constraints, we offer a wide range of bioclimatic pergola, equipped with 3 distinct roof profiles, providing different technical and aesthetic solutions.

SUN PROTECT SPRO1: sun protection only



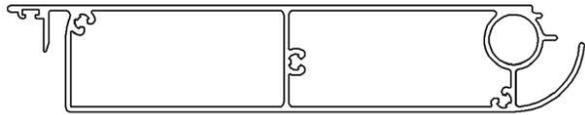
The pergola is equipped with a sleeker, oval-shaped slat. This type of roof favors solar protection, ventilation in closed position, and the brightness in the open position.

This model of pergola is very discreet, the motorization and the system blade drive are fully concealed.



Bioclimatic pergola Sun Protect - THE MODELS

SUN PROTECT SPRO2: rain protection

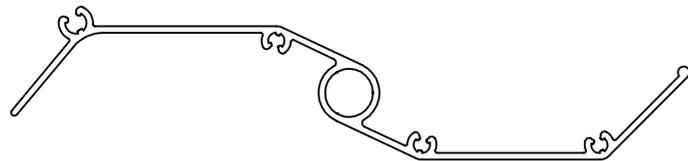


Fitted with a rectangular blade, and nestable, the pergola is also provided for rain protection.
Double-walled blade, and central reinforcement, for better resistance.

The SPRO2.2 version is a reinforced version, allowing greater depths, as well as longer postless spans important.



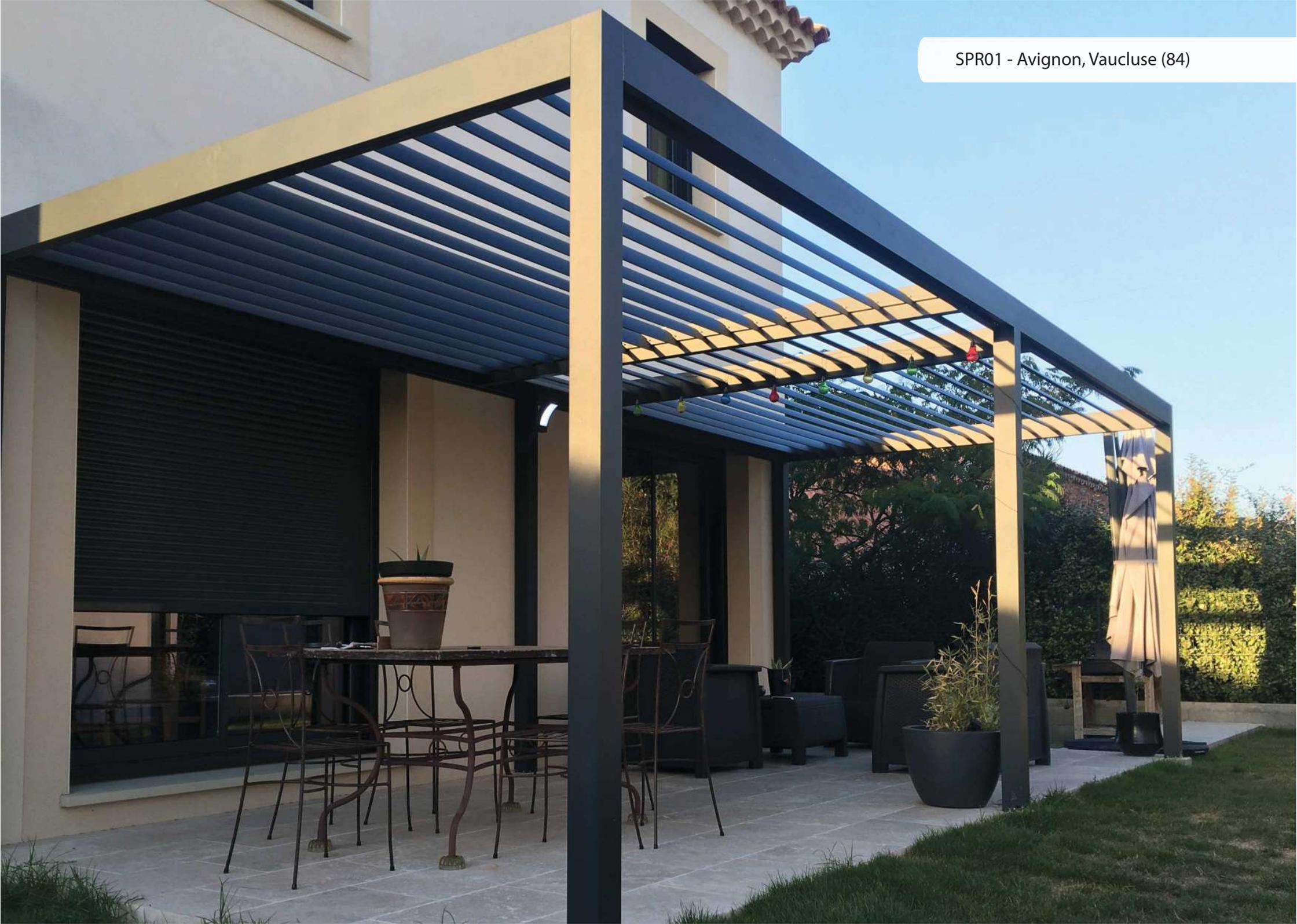
SUN PROTECT SPRO3: rain protection



This pergola is equipped with a single-wall Z-shaped blade.
This type of roof brings a certain lightness to the pergola.

The blades are arranged perpendicular to the house.





*The 160x26 oval section profile limits
the wind resistance of the pergola.*

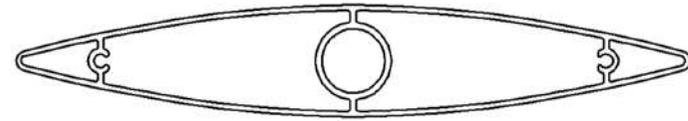
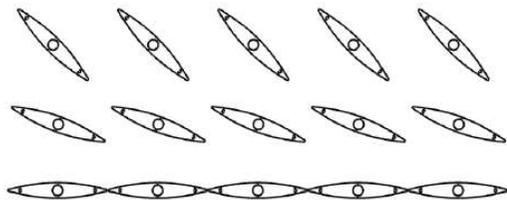
It therefore has a very high resistance to climatic conditions.

SPR01 – Features

Post section: Square 100x100 ep.3mm
Cross section: Rectangle 150x30
Blade section: Oval 160x26mm
Ø blade axis: Ø14 stainless steel
Blade orientation: parallel to the house

Motorization: by Somfy IO motor

Height: 2m50 (standard) or other
Maximum dimensions: 3m42 x 7m



Electric motor

HOME MOTION by **somfy.**



io-homecontrol® technology is a radio protocol used by major brands. It is the benchmark technology for brands specializing in the home, intelligent (feedback), and highly secure (encryption key).



SPR01 – SUN PROTECTION

SPR01 - Colomiers, Haute-Garonne (31)



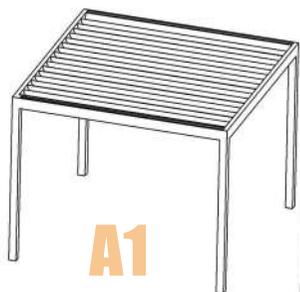
Model SPR01

Sizes available

Depth: from 1167mm to 3421mm (every 161mm)

Width: from 2000mm to 7000mm (every 1mm)

Module: part of the roof consisting of a same group of blades.



A1

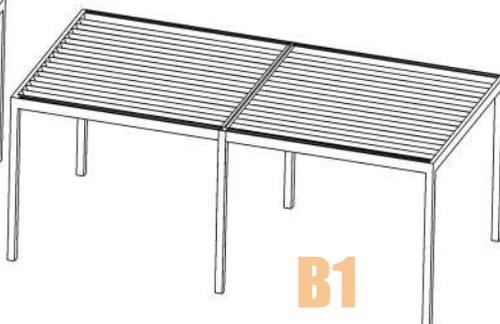
Model A1 and C1

Width 2m to 3m

4 positions - 1 module

Operation 1 electric motor

2 posts in wall model



B1

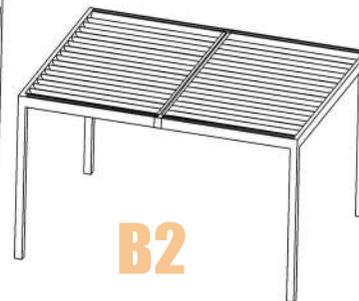
Model B1 and D1

Width 4m51 to 6m

6 posts - 2 modules

Operation 2 electric motors

3 posts in wall model



B2

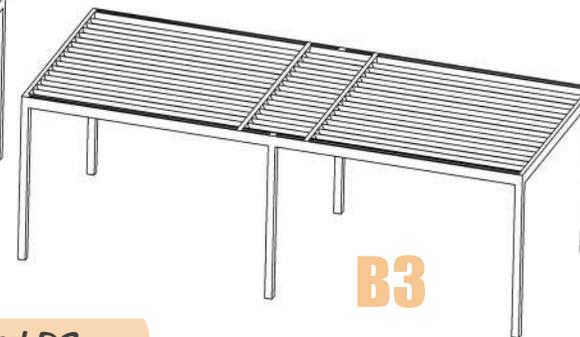
Model B2 and D2

Width 3m01 to 4m50

4 posts - 2 modules

Operation 2 electric motors

2 posts in wall model



B3

Model B3 and D3

Width 6m01 to 7m

6 positions - 2 modules

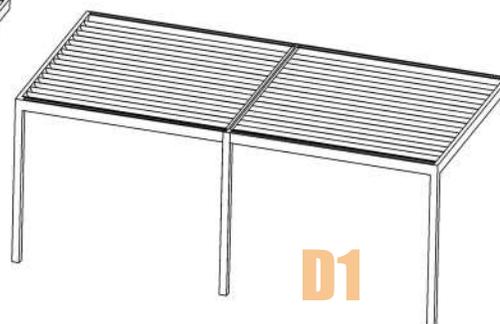
Operation 2 electric motors

1 central frame with FIXED blades

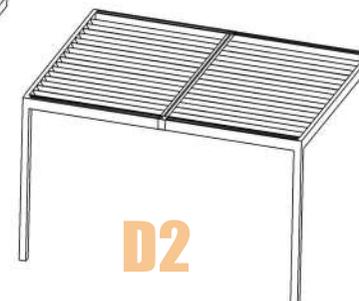
3 posts in wall model



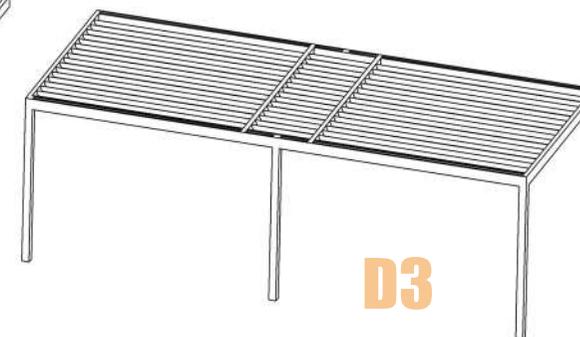
C1



D1



D2



D3





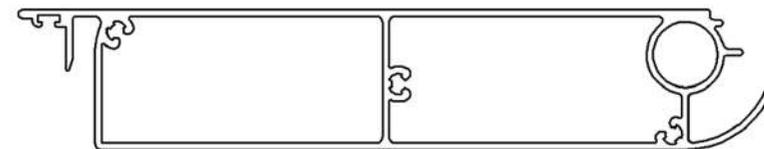
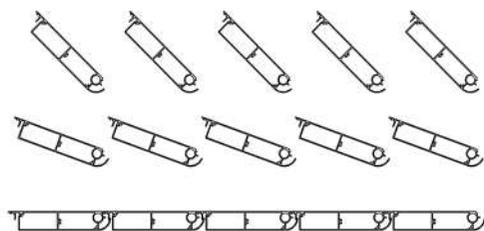
The rectangular section profile 160x32mm, reinforced with walls internal, ensures high resistance to mechanical stress caused by wind and snow.

SPR02 - Features

Post section: Square 100x100 ep.3mm
Cross section: Rectangle 150x30
Section blades: Rectangle 160x32mm
Ø blade axis: Ø14 stainless steel
Blade orientation: parallel to the house

Motorization: by LINAK electric cylinder

Height: 2m50 (standard) or other
Max. dimensions: 3m43 x 9m (18m made to measure)



Electric cylinder

LINAK® 
WE IMPROVE YOUR LIFE



The movement of the cylinder makes it possible to operate the opening and closing of the slats of the pergola.

The electric actuator perfectly combines power, compact design, robust aluminum casing, high protection class.

So you can count on an easy solution for integration into your application.
Low noise level and low consumption



SPR02 - RAIN PROTECTION

SPR02 - Montpellier, Hérault (34)



Model SPRO2

Sizes available

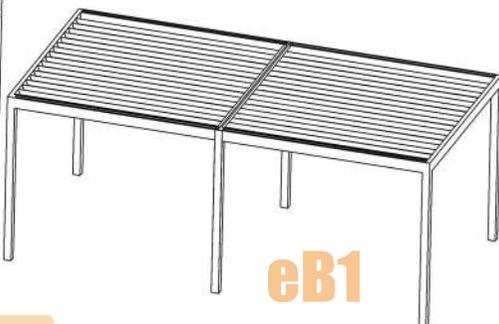
Depth: from 1183mm to 3435mm (every 161mm)

Width: from 2000mm to 9000mm (every 1mm)

Module: part of the roof consisting of a same group of blades.



eA1

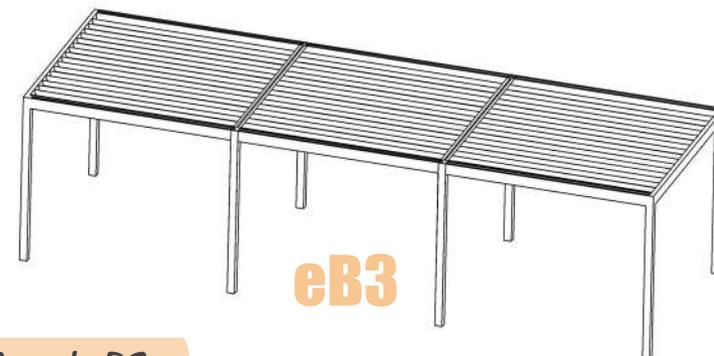


eB1

Other custom sizes



eB2



eB3

Model eA1 and eC1

Lenght 2m to 3m

4 posts - 1 module

Maneuver 1 electric jack

2 posts in wall model

Model eB1 and eD1

Lenght 4m51 to 6m

6 posts - 2 modules

Operation 1 or 2 electric cylinders

3 posts in wall model

Model eB2 and eD2

Lenght 3m01 to 4m50

4 posts - 2 modules

Operation 1 electric cylinder

2 posts in wall model

Model eB3 and eD3

Lenght 6m01 to 9m

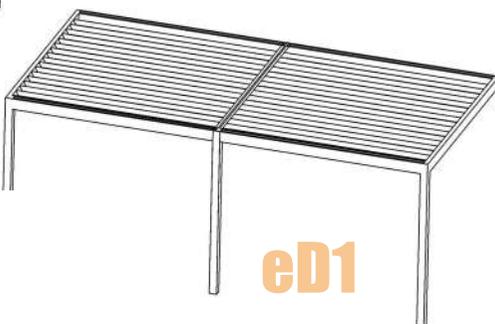
8 posts - 3 modules

Operation 2 or 3 electric cylinders

4 posts in wall model



eC1



eD1



eD2



eD3



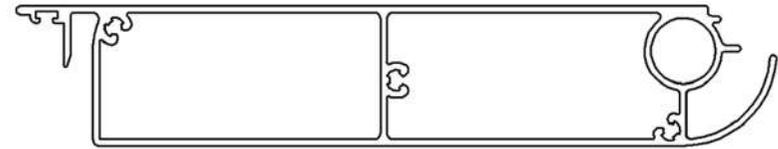
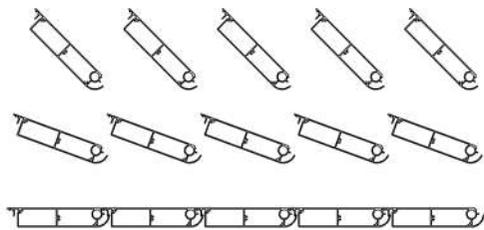
The structure is reinforced, the 150x30 section profile is replaced by a 200x40 profile. Post section 100x100 and 120x120. It has greater mechanical resistance

SPR02.2 - Features

Post section: Square 100x100 ep.3mm, 120x120
 Cross section: Rectangle 200x40
 Section blades: Rectangle 160x32mm
 Ø blade axis: Ø14 stainless steel
 Blade orientation: parallel to the house

Motorization: by LINAK electric cylinder

Height: 2m50 (standard) or other
 Max. dimensions: 3m92 x 6m20 (other on request)



Electric cylinder



The movement of the cylinder makes it possible to actuate the opening and closing of the blades of the pergola. The electric actuator perfectly combines power, design compact, robust aluminum casing, high protection class.

So you can count on an easy solution for integration into your application. Low noise level and low consumption



SPR02.2 - Reinforced structure



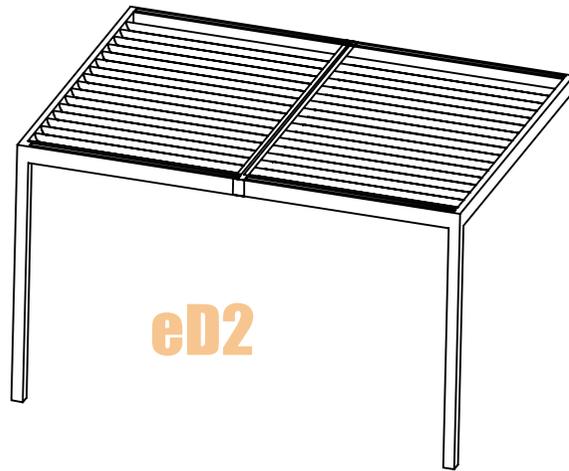
Model SPR02.2

Model eD2

Width 4m51 to 6m20

2 posts - 2 modules

Operation 2 electric cylinders



eD2

ADVANTAGES model SPR02.2:

Depth up to 4m

A span of 6m20 without a central post

Beyond, contact us!

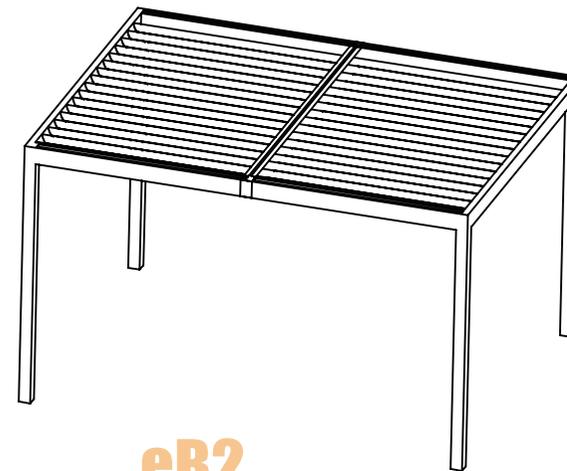


Sizes available

Depth: from 1183mm to 3918mm (every 161mm)

Width: from 4501mm to 6200mm (every 1mm)

Module: part of the roof consisting of a same group of blades.



eB2

Model eB2

Width 4m51 to 6m20

4 posts - 2 modules

Operation 2 electric cylinders



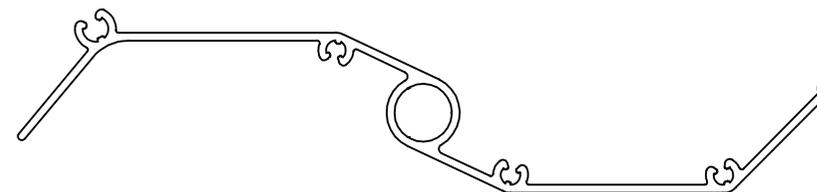
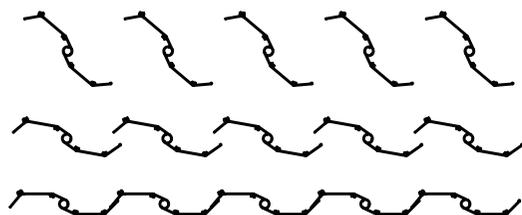
The 175x32mm Z-section profile, single wall, provides protection optimal in the rain, using a roof in an optimized version (allows to offer you an accessible bioclimatic pergola).

SPR03 - Features

Post section: Square 100x100 ep.3mm
Cross section: Rectangle 150x98
Section blades: In Z 175x32mm
Ø blade axis: Ø10 stainless steel
Blade orientation: perpendicular to the house

Motorization: by Somfy IO motor

Height: 2m50 (standard) or other
Maximum dimensions: 3m x 7m85



Electric motor

HOME MOTION by **somfy**



io-homecontrol® technology is a radio protocol used by major brands. It is the benchmark technology for brands specializing in the home, intelligent (feedback), and highly secure (encryption key).



SPR03 - Rain protection

SPR03 - Restinclières, Hérault (34)



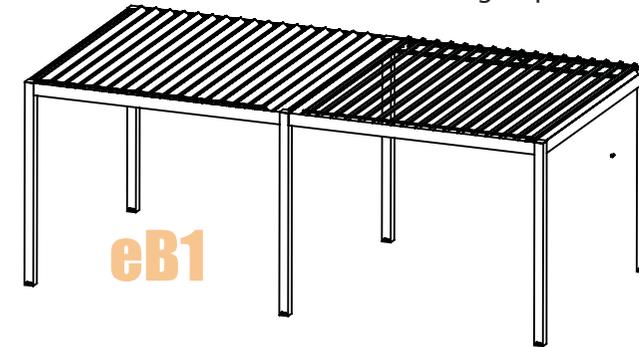
Model SPR03

Dimensions disponibles

Depth: 3000mm

Width: 2956mm / 3922mm / 5914mm / 7848mm

Module: part of the roof consisting of a same group of blades.



Model eA1 and eC1

Length 2956 and 3922mm

4 positions - 1 module

Operation 1 electric motor

2 posts in wall model

SPR03 model specificity:
orientation of the slats perpendicular to the facade

Other custom dimensions, contact us

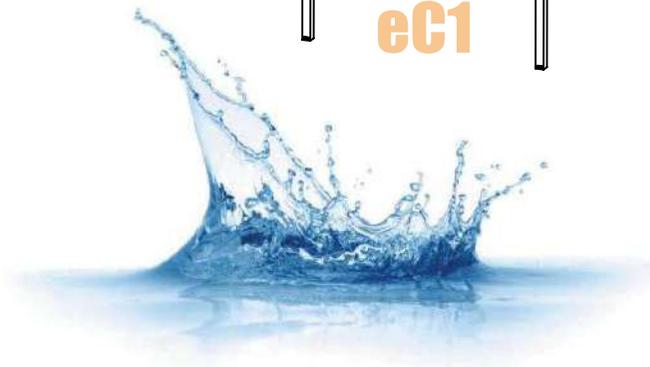
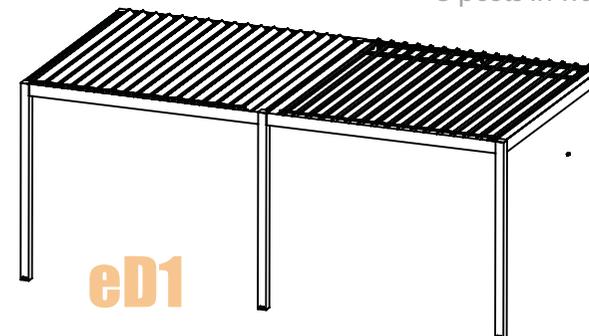
Model eB1 and eD1

Length 5914m - 7846mm

6 posts - 2 modules

Operation 2 electric motors

3 posts in wall model



Our options

SunProtect innovates every day to meet all your desires. Many options are available to you available to seduce you, both aesthetically and functionally.

Aluminum sliding panels

Panel with fixed horizontal slats
Rectangular horizontal blades 40x10 (type SG01)
Made to measure
Finishing and assembly without visible screws

High guidance by triple aluminum rails and rollers

Floor guide rail
(horizontal ground without slope)

(horizontal ground without slope)

SG01



Glass panels

Fitted with a rectangular blade, and nestable, the pergola is also provided for rain protection.
Double-walled blade, and central reinforcement, for better resistance.

Powder-coated aluminum structure
4mm thick tempered glass
Custom sizes
Height and width



Electric blind ZIP toile Soltis 92

Blind designed and manufactured in France, class 3 wind resistant.
Serge Ferrari pre-stressed canvas, top-of-the-range product with multiple colors to choose from. ZIP store for greater resistance.



Bioclimatic pergola Sun Protect - THE OPTIONS

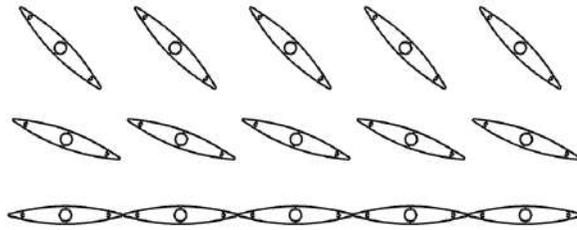
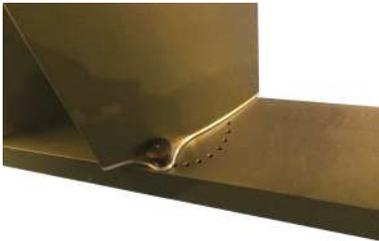
Facade with adjustable vertical blades

Innovation Sun Protect

Allows the opening or closing of the slats in order to preserve your privacy, and protect you from the wind

Manual blade rotation of 140°.

Oval blades 160x26



Facade with Fixed horizontal slats

5 blades to choose from for the realization of facade, complete or partial, creating a shelter against the wind, the sun or opposite.

Thermo-lacquered aluminum front.

3 dimensions of rectangular blades: 40x12, 80x20, 150x30mm.

1 diamond-shaped blade: 40x12mm

2 oval blades: 100x25 and 160x26mm

Choice of slat spacing.





LED peripheral SPR03



LED module 1m SPR01-02

LED lighting

Diffusing luminous LED bar:

- 1 m module on pergola
 SPR01, SPR02 and SPR02.2
- peripheral headband SPR03

Totally integrated into the structure

24v power supply

Adjusting the light intensity

Remote control included

Learn more

Motorized vertical blind

Ferrari Soltis 92 prestressed fabrics
Aluminum slides (waterproof ZIP model as standard)
Square thermo-lacquered aluminum box 112x116mm.

Customizable colors (structure and canvas):
White RAL 9010 or gray RAL 7016 FS structure (standard)
Other RAL in option.
Canvas range Soltis 92 color of your choice.

Width from 800 to 3,800 mm
Height from 1200 to 3000 mm

Maneuver

Motorization of the standard Somfy remote control
Winch with limit switch with internal 90° return (optional)
Other maneuvers (optional)

Guidance

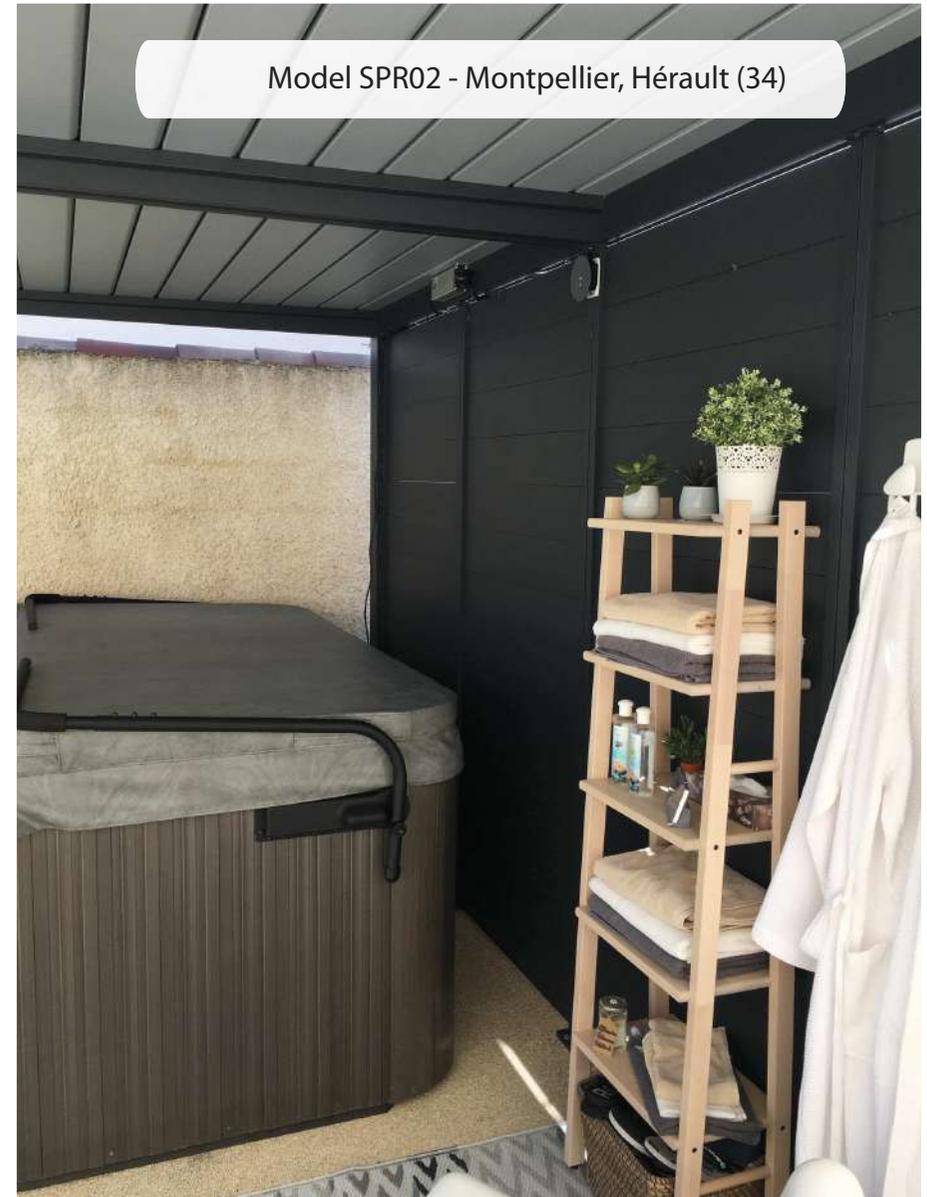
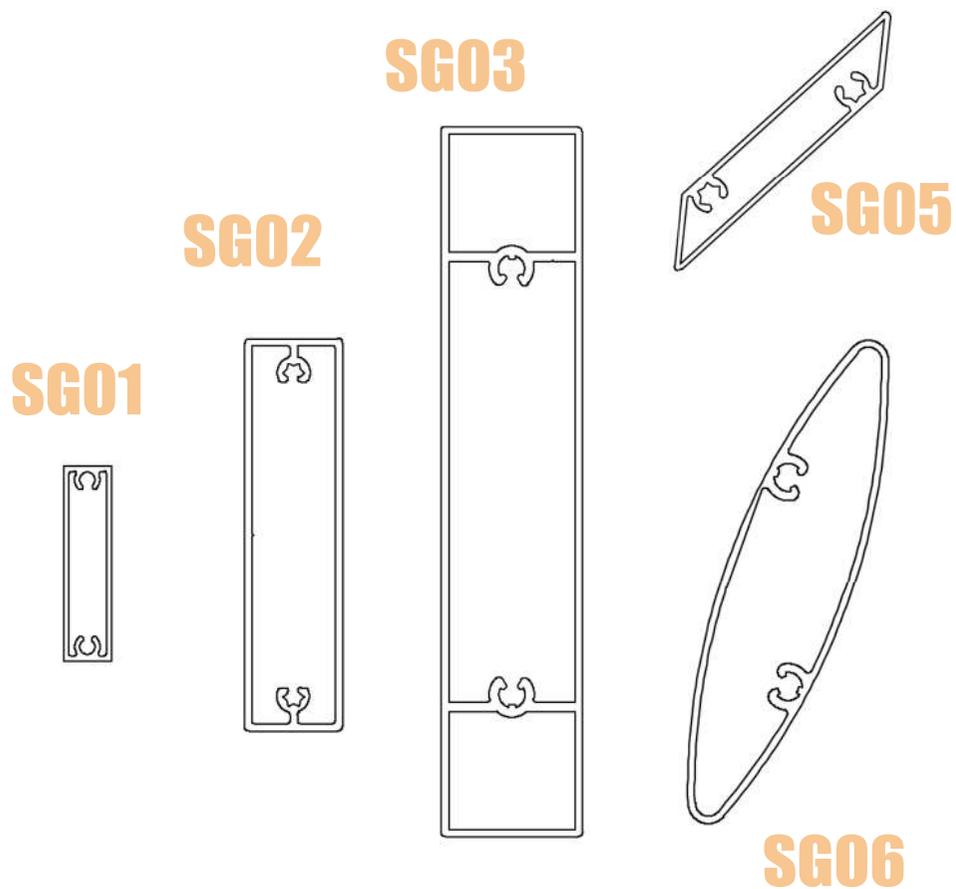
Guide rails 58x44 ride-on
Guide rails 35x31(option)

5 year warranty



Personalization of the Facade with profiles

Model	SG01	SG02	SG03	SG05	SG06
Blade shape	Rectangle	Rectangle	Rectangle	Lozange	Oval
Blade section	40x10	80x20	150x30	40x12	100x25
Blade center	50mm	96mm	170mm	85mm	92mm
Gap between blade	10mm	16mm	20mm	25mm	-----
Blackout (%)	80%	83%	88%	71%	100%



Bioclimatic pergola Sun Protect - FIND OUT MORE - Fixed slat Facade



Pergola SPR02 grey

Color of your choice

Couleur et finitions au choix

We offer you to personalize your bioclimatic pergolas,
the finish of your choice on:

- the structure
- the roof
- facade options
- awning fabrics



Finishes

The finish is made by powder coating and comes in matte, satin, gloss or sandblasted finishes, and in a multitude of colours, to be chosen from the RAL palette. To guarantee optimum quality: process in accordance with the Qualicoat standard.

MATTE FINISHES:

Matt paints give a soft and silky appearance to the surface. The matte finish is sober, hides imperfections and dirt. The maintenance of a matte paint is easier, and the finishing coat is stronger, more resistant to shocks and scratches. Matt paints are ideal for exposed coatings.

SATIN FINISHES:

The perfect compromise between matte and gloss, satin paints provide a discreet luminosity that emphasizes shapes. Resistant and easy to maintain, satin finishes effectively and delicately cover exposed areas. In contrast to matt paintwork, their soft shine stands out all the better.

SANDED FINISHES (recommended Finish):

The sanded finish gives a textured matte effect. It offers a fine relief, its touch is subtle. This finish is trendy, very solid and practical to use. It is difficult to scratch and its maintenance is easy.



Thermo-lacquering complying with Qualicoat labels and Qualimarine (specific preparation before carrying out the surface treatment).

Bioclimatic pergola Sun Protect



SPR02.2 - Toulouse, Haute-Garonne (31)

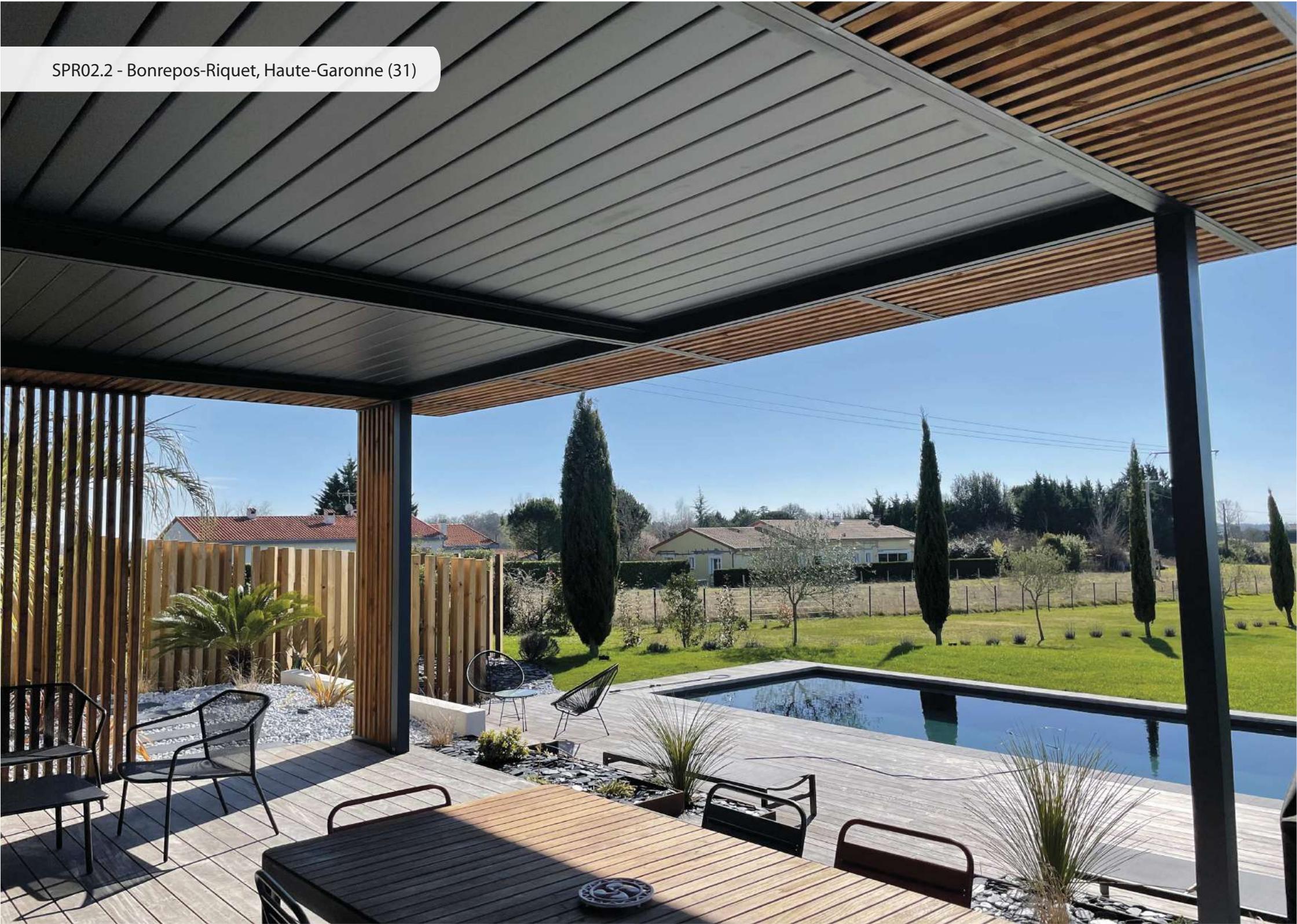
SunProtect is also 100% tailor-made projects:
pergola extension, cap, side view breeze,
lights, mix of materials (wood and aluminum),...

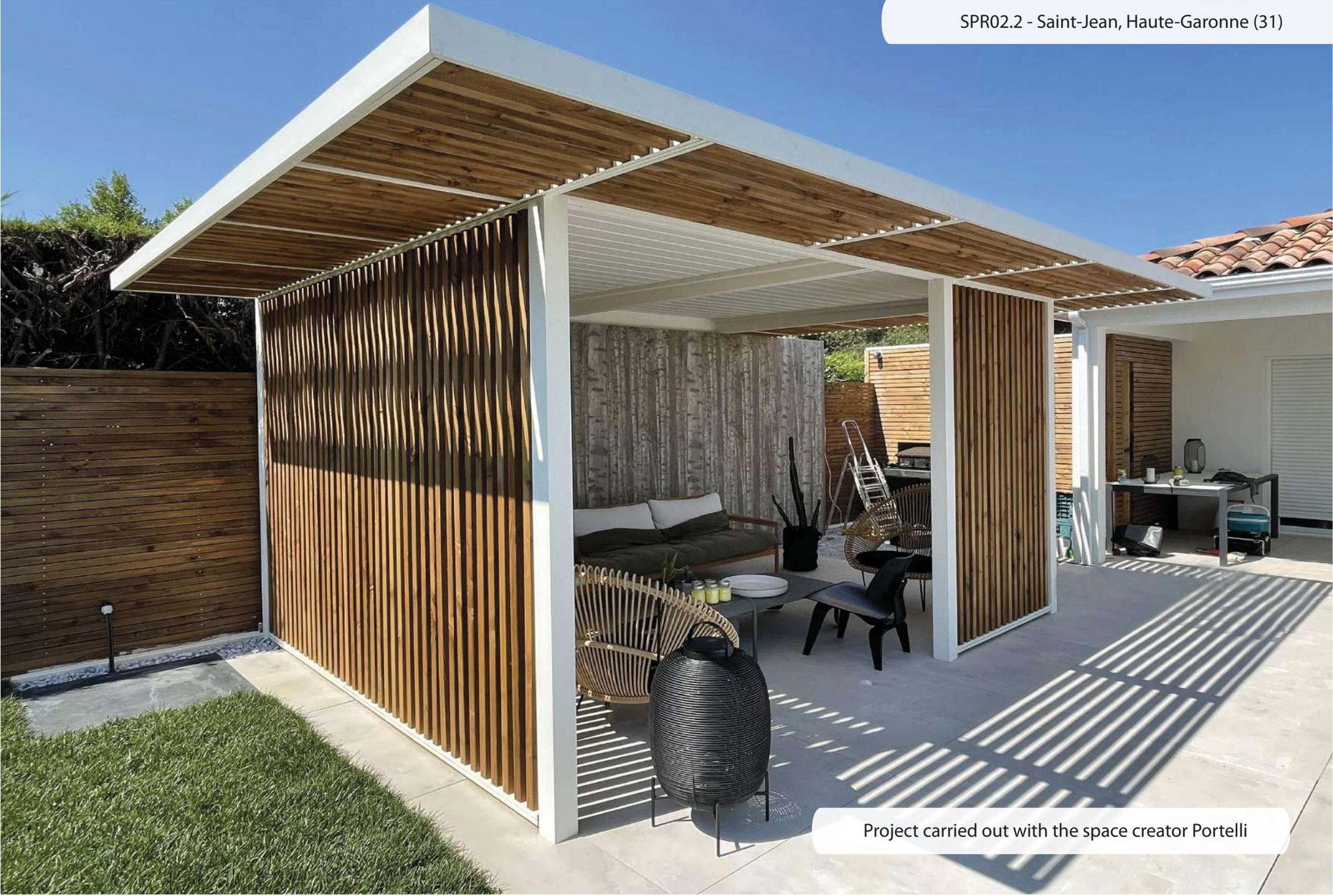
SPR02.2 - Saint-Jean, Haute-Garonne (31)



Project carried out with the space creator Portelli

SPR02.2 - Bonrepos-Riquet, Haute-Garonne (31)





The art of matter



With its experience in the design and manufacture of parts and aluminum assemblies, AXIUM Solutions Aluminum designs and manufactures a full line of safety and equipment products around your pool and garden.

Whatever the style of your exterior: garden, terrace, swimming pool, the range Sun Protect will adapt to all your needs, and will enhance your outside.



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SAS au capital de 60.000€ - RCS Toulouse: 753 488 774

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