seesky bio ®

Expending spaces and views without limits

C³ Systems®
The open view company

Bioclimatic pergola **seesky-bio**

Seesky-BIO is a pergola system which allows to increase living areas without any additional construction work, and it is a perfect solution for terraces, gardens, hotels and restaurants.

Thanks to the pergola's motor and numerous sensors, pergola closes protecting the inside as harsh weather conditions are detected, so it can be used all year around.

Seesky-Bio also offers different options for extra comfort (LED lights, music, heaters, ...) that can be controlled by control remote, *Smartphone* or *Tablet*.
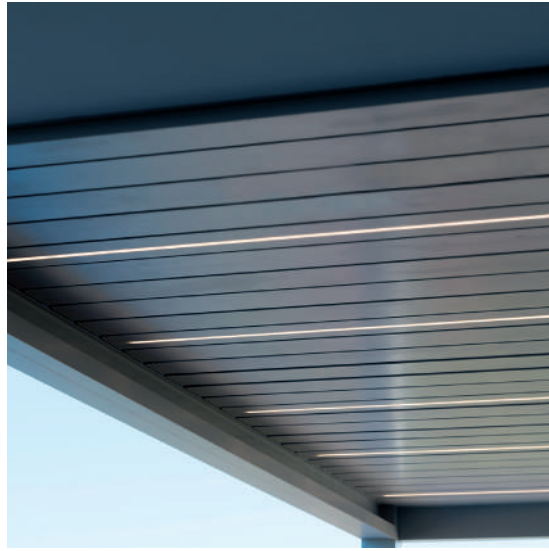
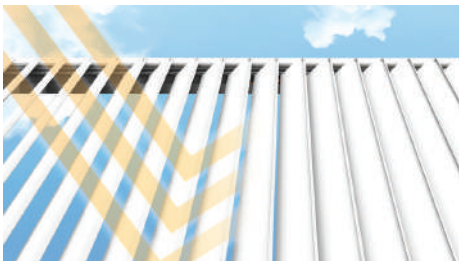Ventilation

Rain Protecction

Sun Protecction

Automation

FUNCTIONALITY

VENTILATION
Temperature can be controlled in a natural way thanks to oriented motorized slats (45°, 90° and 135°), that allow the air to come in during summertime as they are opened, and retaining the heat during winter when slats remain closed.

SUN PROTECTION
You can adjust aluminum slats orientation either by control remote or using Smartphone and Tablet, as well as program the pergola, in this way you can achieve a complete protection against sun radiation.
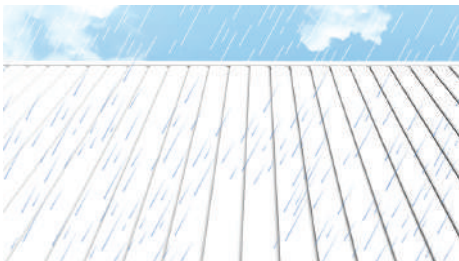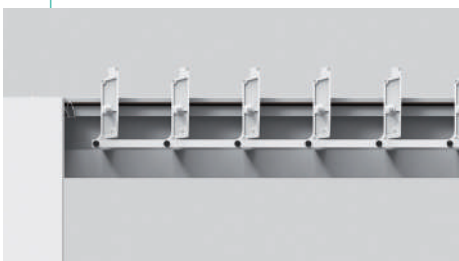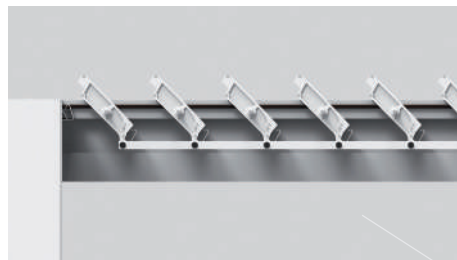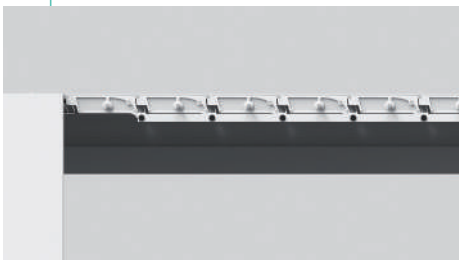
RAIN PROTECCTION
Specially designed roof aluminum slats collect water and using a pipeline system take collected water through lateral columns to the outside.
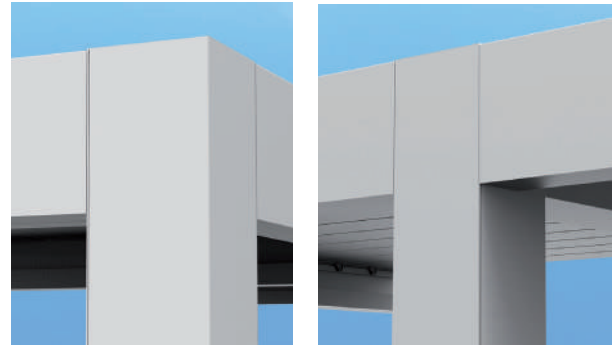
ROTATIVE ALUMINUM

The system of rotative aluminum slats controled either by remote or using Smartphone and Tablet.

TECNICHAL DETAILS

50MM PIPELINE DRAINAGE *OPTIONAL*
System for water evacuation through columns.

UNION BEAMS AND PERGOLA CONNECTION
The union of beams with pergola's structure does not disrupt structure aesthetics, as the union of these elements has a clean and elegant finish. Seesky-BIO only needs one column for the union of successive pergolas, what adds extra useable space as well as reduces visual impact.

ANTISPLASH SYSTEM (PATENTED)
Seesky Bio features a modern antisplashing system for inside protection and dirt collection.
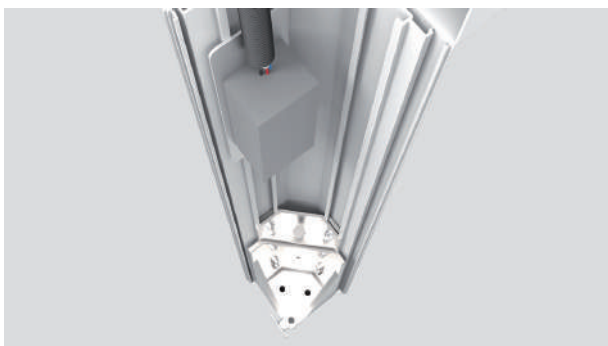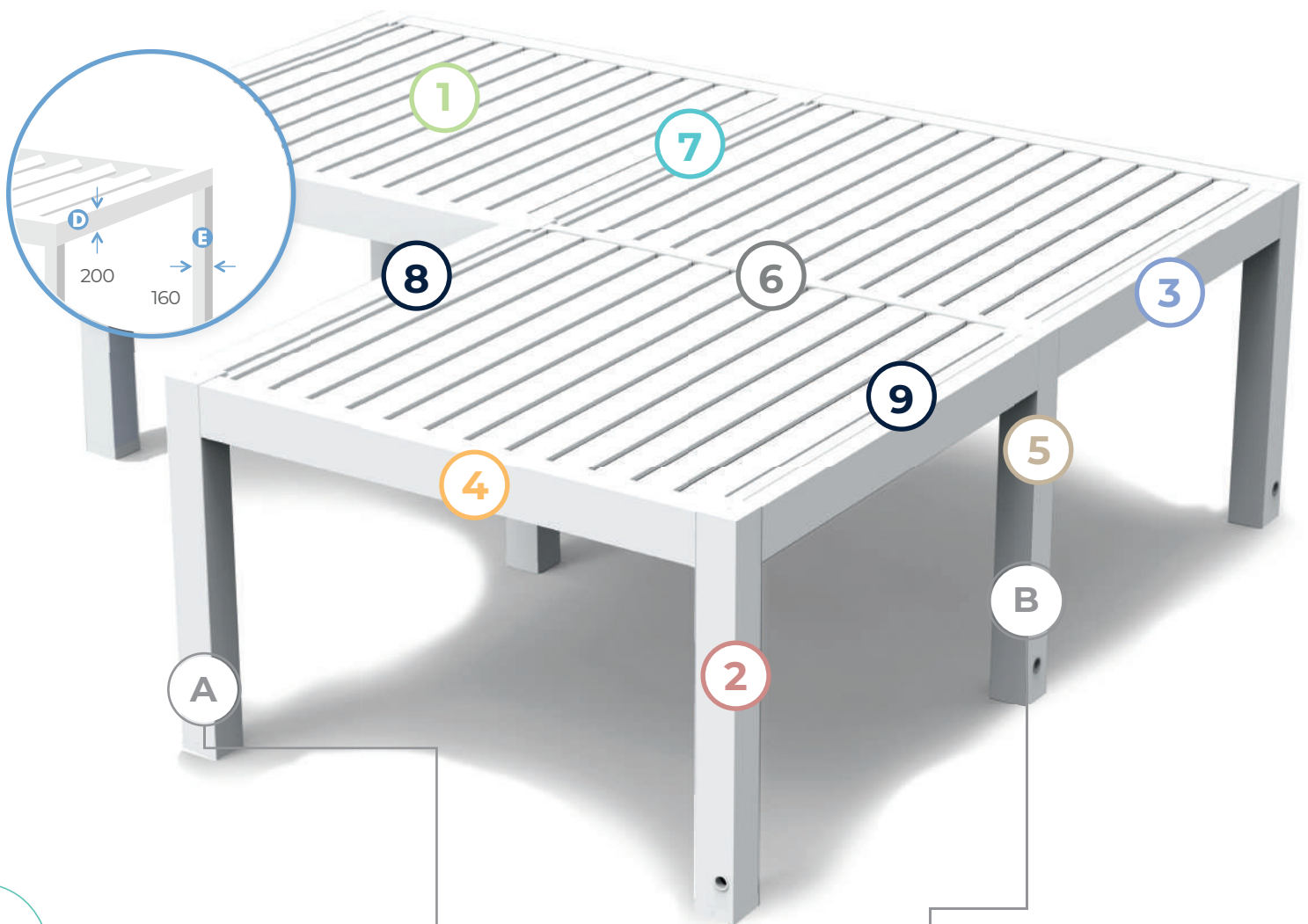

RECORDABLE COLUMN

The installation and maintenance of pergola is very easy and comfortable thanks to the recordable column.

This option is very useful where there is not much space to tighten screws and adjust inside cables.

SLATS WITH POLYSTYRENE *Optional*
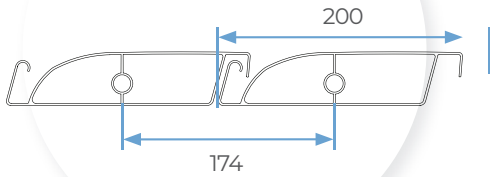Adding polystyrene into slats allows us to create a sound isolation when it rains.

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VARIETY OF CONFIGURATIONS

200
160

A -SUPPORT TYPES
Fixed and Adjustable

B -DRAINAGE TYPES
Free or Pipeline

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BEAM AND SLAT SECTIONS

1 SLAT

200

174

2 RECORDABLECOLUMN
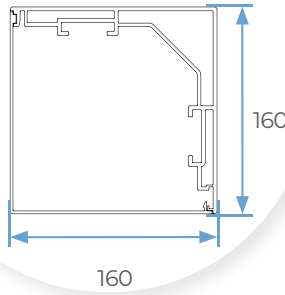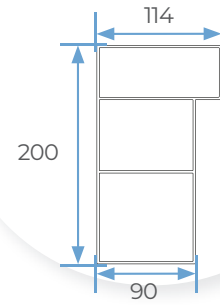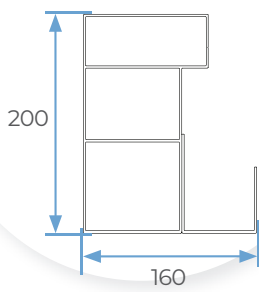
160

160

3 FRONT BEAM

114

200

90

4 LATERAL BEAM

200

160

5 UNION COLUMN

160

160

6 CENTRALBEAM

200

160

7 UNION BEAMS

114

200

90

8 FRONT SLAT COVER

107

50,5

9 BACK SLAT COVER

117

50,5

520mm

125mm   125mm

200mm

125mm   125mm
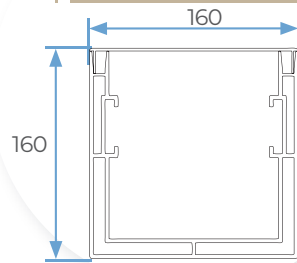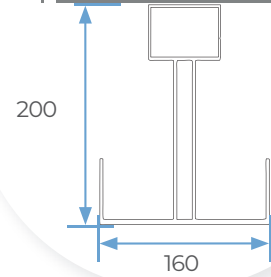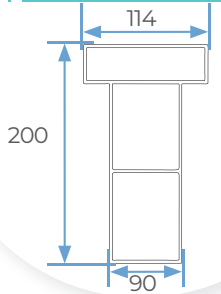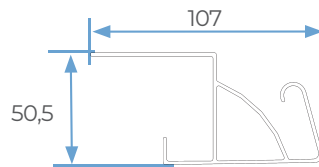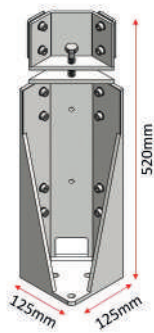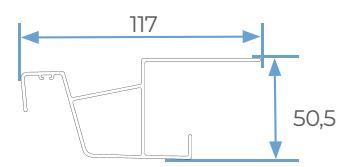
Adjustable Reinforced Support

Adjustable Support

Possible configurations
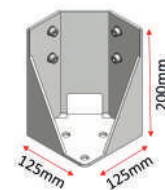
MAXIMUM DIMENSIONS

Seesky-bio can be custom made using different variations, depending on where the installation will take place so it can be adapted to customer's needs.

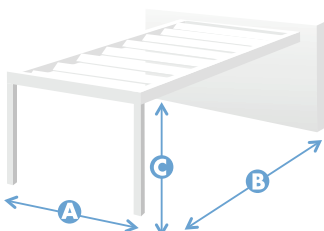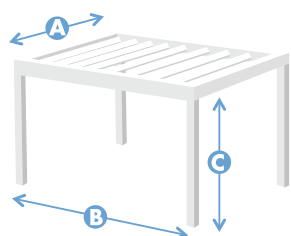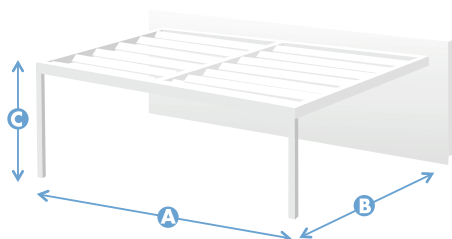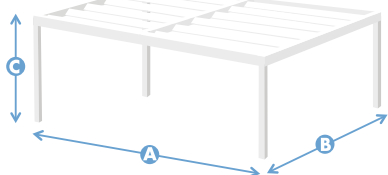|		4 OR 2 COLUMNS
A	Maximum width	4.000 mm
B	Maximum lenght	6.450 mm
C	Maximum height	3.000 mm

		DUPLEX 4 OR 2 COLUMS
A	Maximum width	6.500 mm
B	Maximum lenght	6.450 mm
C	Maximum height	3.000 mm

VARIETY OF CONFIGURATIONS

Seesky-bio can be custom made using different variations, depending on where the installation will take place so it can be adapted to customer's needs. There are 4 different configurations.

A ISLAND

The most commun configuration, installed with 4 columns.
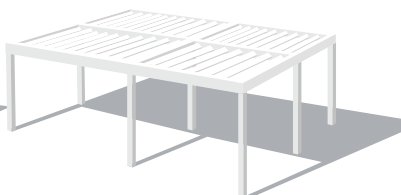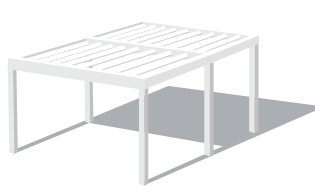
B PORTICO

Mixed configuration of 2 types of supports: columns and wall supports.
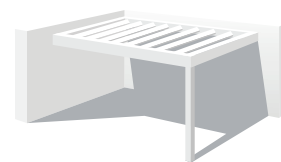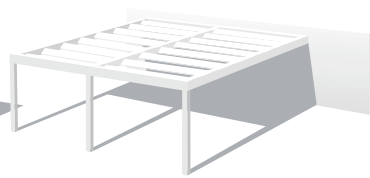
C INBETWEENCONFIGURATION(WITHOUTCOLUMNS)

For this configuration only wall supports are used.
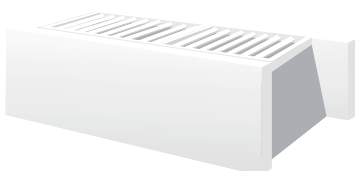
D DUPLEX

Pergola connection without intermediate columns.
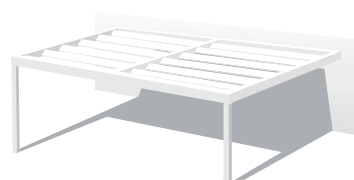
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AUTOMATION

With seesky BIO intelligent automation "T-MATE" , you will obtain a maximum comfort as pergola can be controled or prgrammed trhough Bluetooth, *smartphone* or *tablet*, making it as another autotion house device.

ILLUMINATION

There are 4 different illumination options available:
- Spot lights
- LED strips
- Perimetral LED
- Beam spot lights

Thanks to "T-MATE", illumination pack can be programmed for switching on and off at any time, and for controlling light intensity.

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SOUND PACK

Sound integrated system allow you to listen to your favorite music with a direct radio access, USB adaptor and Bluetooth. Speakers can be provided in white or black color.
Sound system can be controlled with control remote (not the same that controls slats opening), *mobile phone* or *tablet*.

INFRARED HEATERS

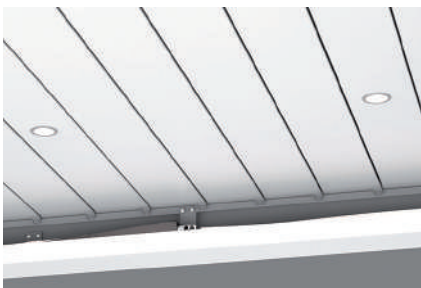**Seesky-bio** can be combined with infrared heater **habitat-hot**, so you can enjoy a pleasant temperature even on very cold winter days. **Habitat-hot** heater can be controlled using the same remote control as you use for slat opening.
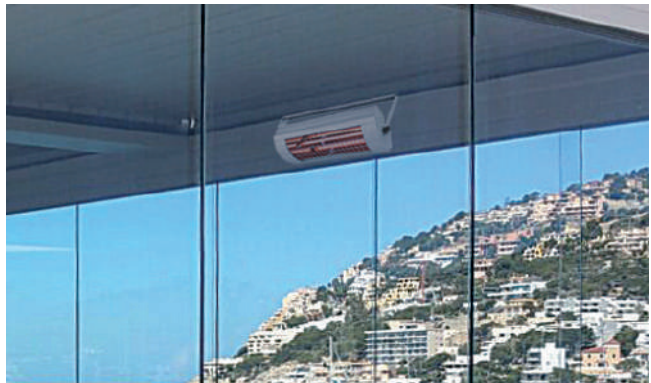
AUTOMATIC SENSORS

Thanks to rain and wind sensors the inside of the pergola **seesky-bio** is automatically protected against harsh weather conditions.
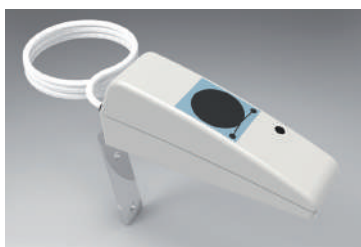
Rain Sensor   Wind sensor   Ice/Snow Sensor

Other Options

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SKY-LIGHT OPTION

This option adds resistance to the pergola structure as at the same time allows to brighteen the inside without having to open all the slats.
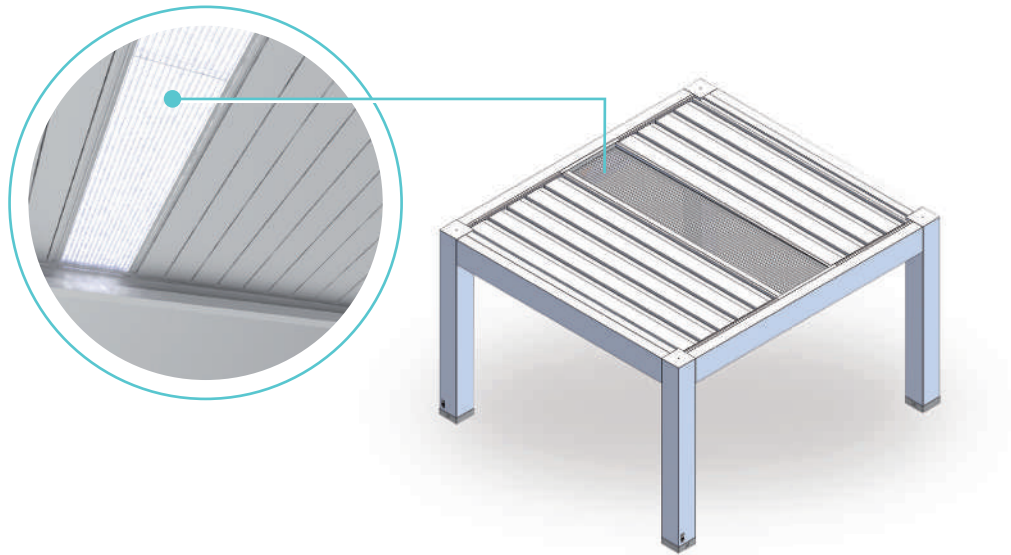
OPTION SHIFTEN COLUMN

Pergola can be adapted to existing structures thanks to shifted column option (maximum 1000 mm).

OPTION CABLE ATTACHMENT

There is a possibility of fastening pergola to the wall and allowing an installation without columns.
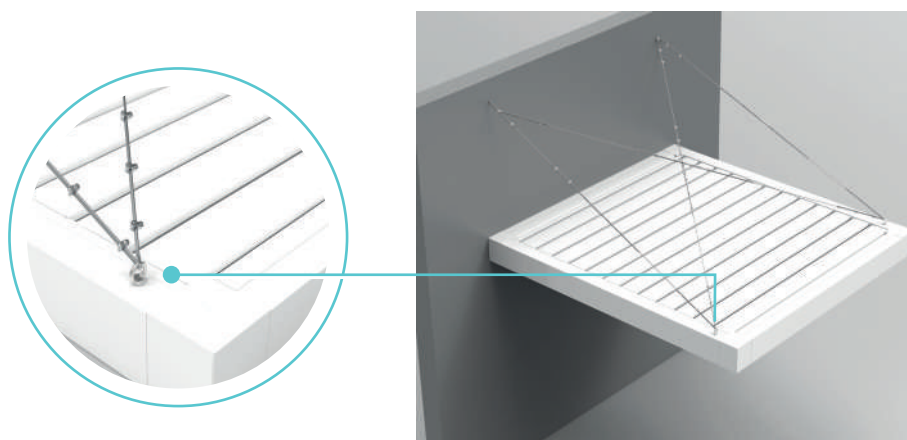
Combined with glazing systems

seesky bio®

SLIDING AND FOLDING GLAZING SYSTEMS
seeglass one®

With sliding and folding system **seeglass-one** you will protect the inside pergola without giving up the view and to open everything completely.
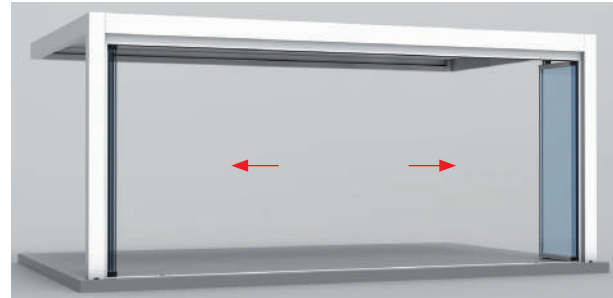
For information related to hanging glazing systems **seeglass one,** compatibility, please consult the table on page 15.

SLIDING GLAZING SYSTEM
seeglass run®

With sliding system **seeglass-run** you will protect the inside of the pergola without invading interior space.

ADJUSTABLE WIND SCREENS
habitat win®

Combined with adjustable windscreen **habitat-win**, protect the inside from windy weather.
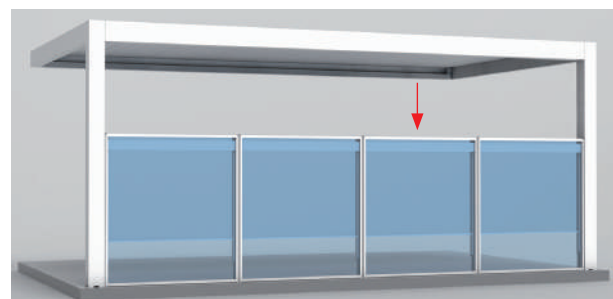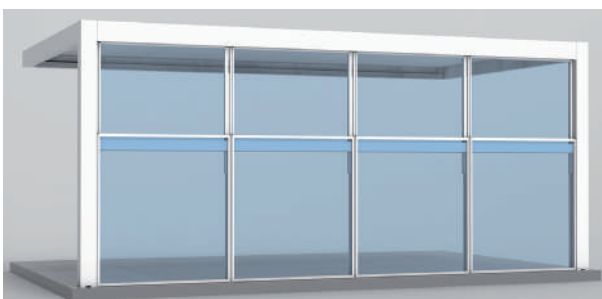
SUN PROTECTING ZIP SCREEN

habitat zip®

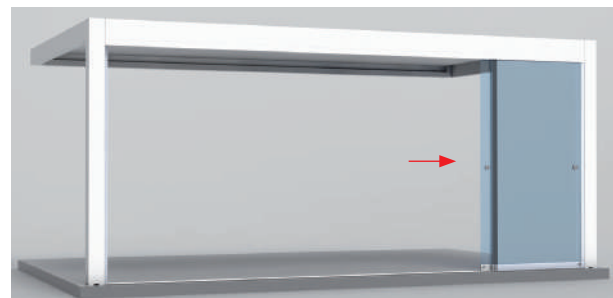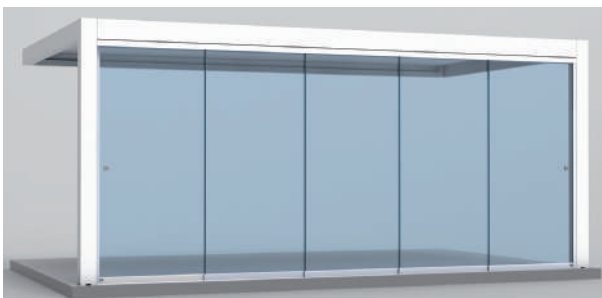Sun protecting zip *screens* allow to protect the inside of the pergola from excesive heat and wind.

ZIP 130

ZIP 105

6 m

5 m

3,5 m

3 m

0,7 m⁽¹⁾

0,50 m

0,8 m⁽²⁾

0,50 m

(1) *Mechanical motor*
(2) *Radio motor*
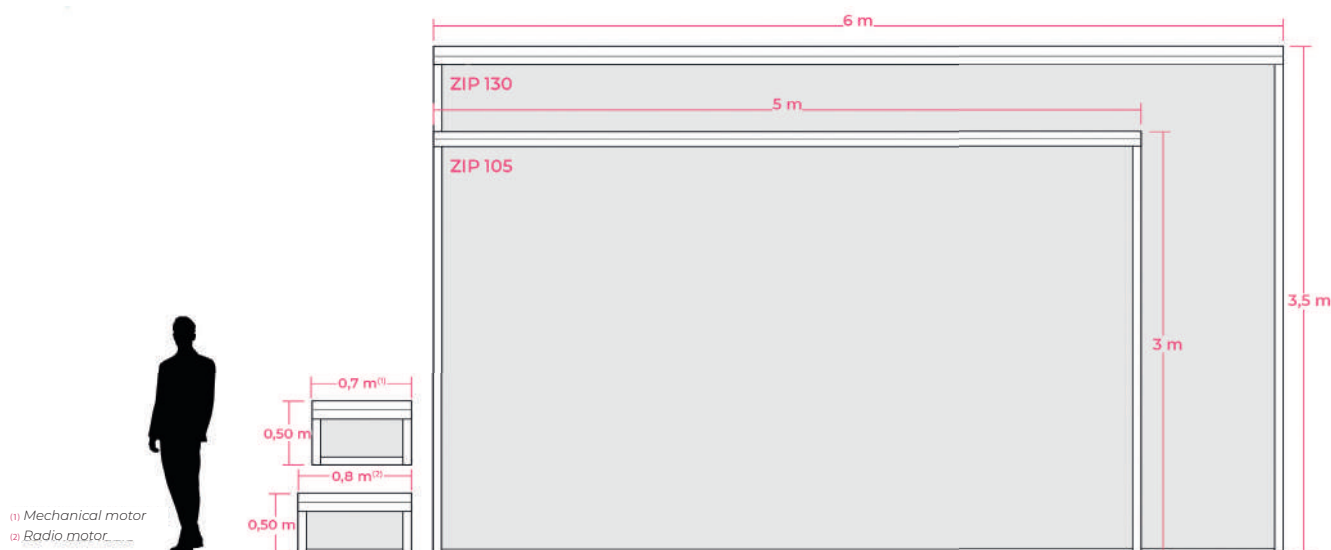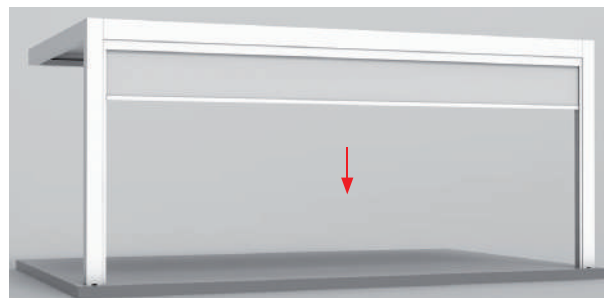
MOSQUITO NET

habitat net®

Combine mosquito screen **habitat-net** with your pergola and you are going to be able to yourself from different kinds of insects. With a minimalistic design and simple functioning, it will be a perfect complement for your pergola.

Testing and Certificates
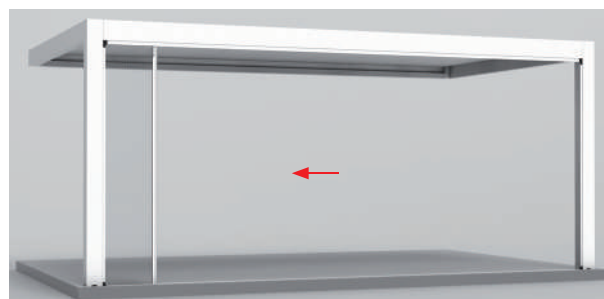
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TESTING **

Seesky-bio has all the necessary certificates issued by offical corresponding agencies.

WIND Resistance	Wind Loads UNE EN 13659:2016 CLASS 6
WATER-TIGHTNESS	Watertightness UNE EN1873.2006 SECT. 6.3 SATISFACTORY
SNOW RESISTANCE	Snow resistance internal methodology 252,01 kg/m2***
SOLAR TRANSFER FACTOR	Transmission of solar energy: 0,15 according to index GTot EN 14501

CERTIFICATES

Our pergola has all the necessary certificates for aluminum treatment.

★★★ EUROPEAN
EURAS
ALUMINIUM ASSOCIATION
ANODISERS ASSOCIATION
E W AA
Qualanod

QUALIDECO

CE

QUALICOAT

5 years guarantee*

Standard white color, available in other RAL colors, ANODIZED OPTION NOT AVAILABLE.

* Check warrenty conditions.
(For checking warrenty details, please access general sales conditions, available in distributor area on the website).

** Installation not recommendable in places where 100% watertightness is recommended, as it is possible due to harsh meteorology conditions (rain with strong winds, hail, condensation, etc...) pipeline system obstruction, improper sealing, or other agents, could cause water entrance. C3 Systems will not held responsible for possible water enterance, damaged caused on goods and people.

*** Check the details of the tests on our website.

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New App with all the necessary information, available for iOS and Android.

APP

ON-LINE QUOTATION SERVICE

Website application for instant on-line quotation service.

SHOWROOM SAMPLES

Special discounts available for showroom samples.

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Usefull selling tools.

COMPATIBILITY WITH SEEGLASS ONE*

Compability with **seeglass-one** can be seen on the table bellow:

- ■ Not suitable for hanging systems
- ■ Systems with 8, 10 and 12 mm glass
- ■ Systems with 10 and 12 mm glass
- ■ Systems with 8 and 10 mm glass
- ■ Systems with 10 mm glass
- ■ Systems with 8 mm glass

H/L	3840	4014	4188	4362	4536	4710	4884	5058	5232	5406	5580	5754	5928	6102	6276	6450
2000																
2100																
2200																
2300																
2400																
2500																
2600																
2700																
2800																
2900																
3000																

8, 10 y 12 mm

8 y 10 mm

8 mm

10 y 12 mm

10 mm

* Calculations made using Heavy Beam (hight density beam)

* Without limit for sliding systems.

L = Maximum possible width H = Maximum possible width

MADE IN SPAIN

C³Systems®
The open view company

PYME INNOVADORA

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