



OUTDOORSTRUCTURES



Bioclimatic Pergola

"Life is outdoors..."

■ Expand spaces and unlimited views...



Visit us on:

■ www.outdoorstructuresireland.com

—
We Love New
And Creative Ideas

BIOCLIMATIC PERGOLA

DESIGN

Our Bioclimatic Pergola is modern, has a minimalist design and advanced technology. Fully automated model, in which the roof consists of aluminum profiles rotated by 135°. Smooth adjustment of the angle of the slats gives full control over sunlight, enables natural ventilation and free air circulation.

The solid, 100% aluminum structure is resistant to extreme temperatures and weather conditions, including wind up to 160 km/h and snow load of 120-620 kg/m² (depending on the dimensions of the structure). Water is drained through an integrated system hidden in the load-bearing profiles. It can be equipped with glazing, blinds, heat radiators and water mist diffusers.

Thanks to the possibility of modular connection, we can freely create an unlimited space that requires roofing. The combination of these features makes it an unrivaled and an all year-round product.



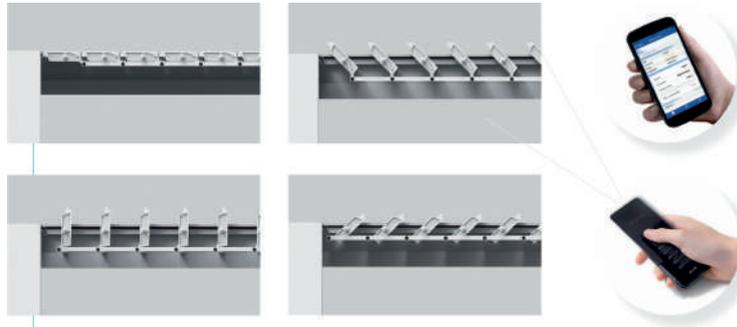
"Life is outdoors..."

BIOCLIMATIC PERGOLA

PRODUCT

ADJUSTABLE SLATS

The motorized adjustable slat system is controlled through a standard control or mobile devices



ROTATING ALUMINIUM LOUVRES



AUTOMATIC CONTROL



MODULAR SYSTEM



SOLID ALUMINIUM CONSTRUCTION



VENTILATION

FUNCTIONING



VENTILATION

Thanks to the adjustable motorized slats with different degrees (45°, 90° and 135°) the temperature can be regulated naturally, as they keep the heat in winter and cool the room in summer..

SOLAR PROTECTION

With the different degrees of orientation of the slats, ventilation is maintained in the room thanks to the passage of air. By avoiding the direct incidence of ultraviolet rays, the maximum possible protection is achieved.

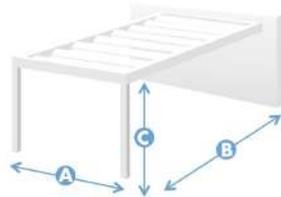
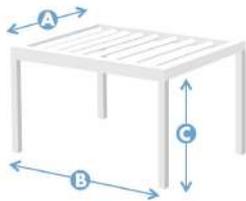
RAIN PROTECTION

The design of the slats and the side covers allows rainwater to be collected through a channeling system, which facilitates drainage through the pillars.

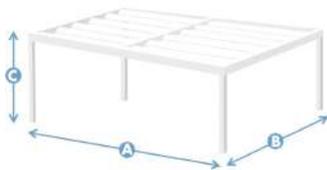
BIOCLIMATIC PERGOLA

PRODUCT

MAXIMUM DIMENSIONS



		4 or 2 COLUMNS
A.	maximum width	4,700mm
B.	Maximum length	6,450mm
C.	Maximum height	3,000mm



		DUPLEX 4 or 2 COLUMNS
A.	maximum width	6,500mm
B.	Maximum length	6,450mm
C.	Maximum height	3,000mm

POSSIBLE CONFIGURATIONS

Our Bioclimatic Pergola is made to measure, since its spatial configuration varies depending on the type of place or space where it is installed.

There are 4 types of possible configurations:

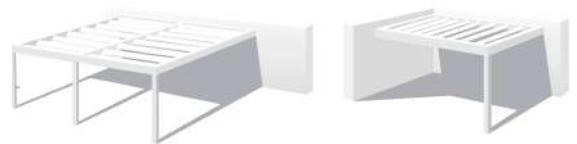
1. FREESTANDING

Most common configuration, where the pergola is fixed only to the ground with pillars at its ends.



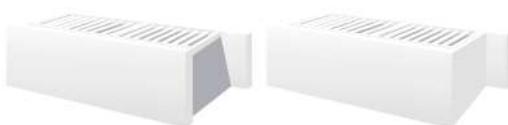
2. WALL MOUNTED

Mixed configuration, which combines two types of fixing: the pillars to the ground and the connection to the wall.



3. BETWEEN WALLS

In this configuration, the pergola is only fixed to the wall and does not have any type of support pillar.



4. DUPLEX

This configuration allows the union of pergolas without intermediate pillars.



BIOCLIMATIC PERGOLA

PRODUCT

ILLUMINATION

An element that will certainly add functionality to any terrace. High-quality LED light perimeter or LED strips available in our offer are the perfect tool to create a great atmosphere at any time. Integrated lighting offers unlimited possibilities. The light that comes out can be warm white, cold white or RGB. The LED lighting integrated in the windbreaks or slats can be conveniently controlled by remote control. Thanks to the additional dimming option, we can change the light intensity, creating a pleasant atmosphere.

LED LIGHT PERIMETER



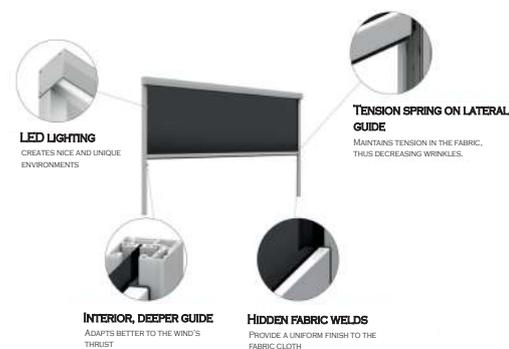
LED STRIP LIGHTS



Accessories

ELECTRIC BLINDS

The main purpose of external roller blinds is to protect the terrace and the building from excessive sunlight and heating. At the same time, their use makes it possible to limit the use of air-conditioning devices, contributing to the reduction of building operating costs. Rolling screens are also an effective form of protecting terraces against wind, dirt and insects. A wide range of systems is selected individually for each project. The zipper mechanism and the use of a PVC guiding insert in the ZIP roller blind guarantee that the fabric will stay in the side guides during very strong gusts of wind, which makes this system the most universal cover for the sides of terraces. Blinds are controlled by wire or radio with a remote control.



"Life is outdoors..."

BIOCLIMATIC PERGOLA

PRODUCT

INFRARED HEATERS

Habitat Hot is the heaters specially recommended for outdoor spaces. This heaters are a combination of infrared and shortwave halogen with a refined technology. The result is a highly efficient heating technology which is especially suitable for outdoor area.

Infrared are natural radiation that is almost 50% of the total radiation spectrum of the sun. If the infrared radiation penetrates our skin, it triggers a pleasant thermal comfort. Therefore, it is also called thermal radiation.

The word "infrared" (from Latin 'infra', bottom, below) clarifies that is a region of electromagnetic radiation, which is above the red end of the visible light spectrum and, therefore, does not contain ultraviolet rays in the radiation spectrum.

The low luminosity of its infrared radiating element and its optimal heat distribution are the best option for large terraces in cold environments and even without protection against the wind. Enjoy the outdoors, and forget about the heavy mushroom-shaped heaters and annoying reddish lights.

WHITE COLOURED



TITANIUM COLOURED



ANTHRACITE COLOURED



Accessories

SENSORS

Thanks to these sensors, the pergola automatically adapts to the weather conditions. This automation of the bioclimatic pergola allows you to deal with any inclement weather without worrying about activating the different devices. All this thanks to these sensors that open and close the slats automatically in the face of adverse weather conditions.

RAIN SENSOR



WIND SENSOR



ICE/SNOW SENSOR



BUILT-IN SPEAKERS

The audio system with integrated speakers allows you to listen to music with direct access to the radio, USB adapter and bluetooth. The system is controlled through remote control and other mobile devices, such as smartphones or tablets. The speakers are available in white or black.



"Life is outdoors..."

BIOCLIMATIC PERGOLA

PRODUCT

SLIDING GLASS DOORS

The system of glass sliding panels combines functionality and elegant design. Easy to install and offering many benefits, the system fits into any architectural context and can be installed in various types of spaces, such as terraces, gardens or even balconies.

Frameless sliding doors are almost invisible when closed. Safety tempered glass with a thickness of 8, 10 or 12 mm is safe to use.

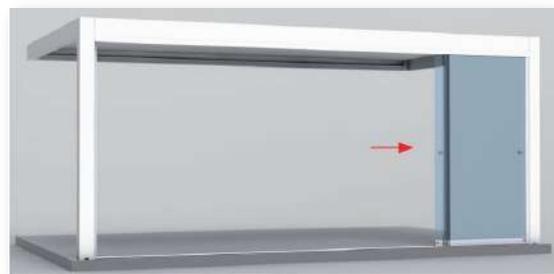
An additional option is the bottom profile hidden in the ground. The buildings extend the season from early spring to late autumn. It is an ideal solution for glazing.

The idea behind this solution is horizontally sliding panels, moving with the use of trolleys on a four- or five-track aluminum profile.

The panels provide protection against adverse weather conditions: wind, rain, snow, dirt and noise, without limiting visibility.

Frameless sliding panels are almost invisible when closed.

The system allows the use of panels with a width of 50 to 120 cm, which move using trolleys.



- *Glazed enclosure system with sliding leaves without vertical profiles: the leaves slide along lower and upper guides. Ideal enclosure for places where you do not want to invade the interior space.*



"Life is outdoors..."