



# BIOCLIMATICAL PERGOLA 2023

**ALUANDGLASS**

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Meet our new Pergola.

Continuous innovation, sophisticated design, and the ability to offer fully customized solutions, are the main advantages of our new Pergola.

Huge variety of designs, typologies and possibilities.  
Combining systems and state of the art electronics devices for each model.

Multiple combination of vertical and horizontal cover, shading and closing elements.



## BIOCLIMATIC

**B** Sun protection Shading system with movable horizontal louvers, set in a closed position offer a waterproof protection from rainy weather.

Our new system accepts perimeter fixed, sliding and folding systems with blinds, glass surfaces and also perforated aluminium panels.

## ... A multiple of architectural options

Continuous development and Innovation in outdoor shading systems are characteristics coming together in our new Pergola system.

The strong posts and transoms strong are suitable for large and wide constructions, also the internal water collectors and draining system gives a perfect aesthetic look.

Our Bioclimatic Pergola has a wide range of options such as a innovative waterproof louver rotating system, perimeter fixed, sliding and folding systems with blinds, glass surfaces and perforated aluminium panels.



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## Bioclimatic innovation

Bioclimatic is the innovation in architectural aluminium systems for indoor or outdoor use, providing thermal conditions and visual comfort with the use of passive cooling, heating systems and lighting.

The typology of our Bioclimatic Pergola, through regulation of the inclination of the fins, achieves adjustment of the level of light and ventilation of space depending on the needs of the user. Bioclimatic design at the same time protects from rainwater and snow, allowing the exploitation of your outdoor space all year round. The installation can be free or in contact with the masonry.

Covers every aesthetic choice with due to a wide variety of colour options

# BIOCLIMATIC



Able to adjust the penetration of natural light, due to the opening range of the fins (0 up to 114 degrees).

### ... Enjoy every moment

Our Pergola system covers outdoor areas with the possibility of perimeter cover with a combination of the EWS-40 folding systems. Allowing maximum exploitation of the opening in any dimension when prevailing clear weather, while providing maximum protection from wind, cold or rainy weathers. These features are very useful for hotels, Restaurants, and all outdoor use.



#### NATURAL LIGHT ADJUSTMENT

The wide movement range of the louvers enables you to adjust the incoming natural light



#### WATER PROTECTION

Its innovative louver design and drainage system assures a watertight protection.



#### SIDE SHADING

A wide range of combination and options for adaptive vertical side elements.

## ... Natural light as you want it

Our Bioclimatic Pergola system allows complete exploitation of lighting while being protected from the weather.

The capabilities of our new system, in addition to natural light, is providing multiple LED lighting solutions on the louver and an electrical infrastructure in frame and columns making the installation of radiators or other electrical appliances such as ceiling fans possible.



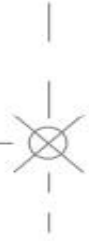
Multiple LED lighting solutions  
Ideal for Hotels, Cafes, and Restaurants

bioclimatic

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**CONSTRUCTION AND INSTALLATION**  
Easy and fast installation of the pergola due to the clever development and engineering.



**ENDLESS CONFIGURATION**  
through extra artificial lighting, automation and electronic equipment



## ... Use in all weather types

For direct contact with the external environment Our Bioclimatic Pergola can be combined with perimeter awnings (fixed or sliding), offering protection from the sun and creating an atmosphere combining natural light with shading throughout the surface.

Perimeter awnings cover the sides of the sun's rays without losing contact with the external environment and natural light in the rest of the perimeter.



**bioclimatic**

Our pergola offers various automations and the combination with electronic devices (phones, tablets, etc..)

## ... Enjoy the outdoors even when it rains

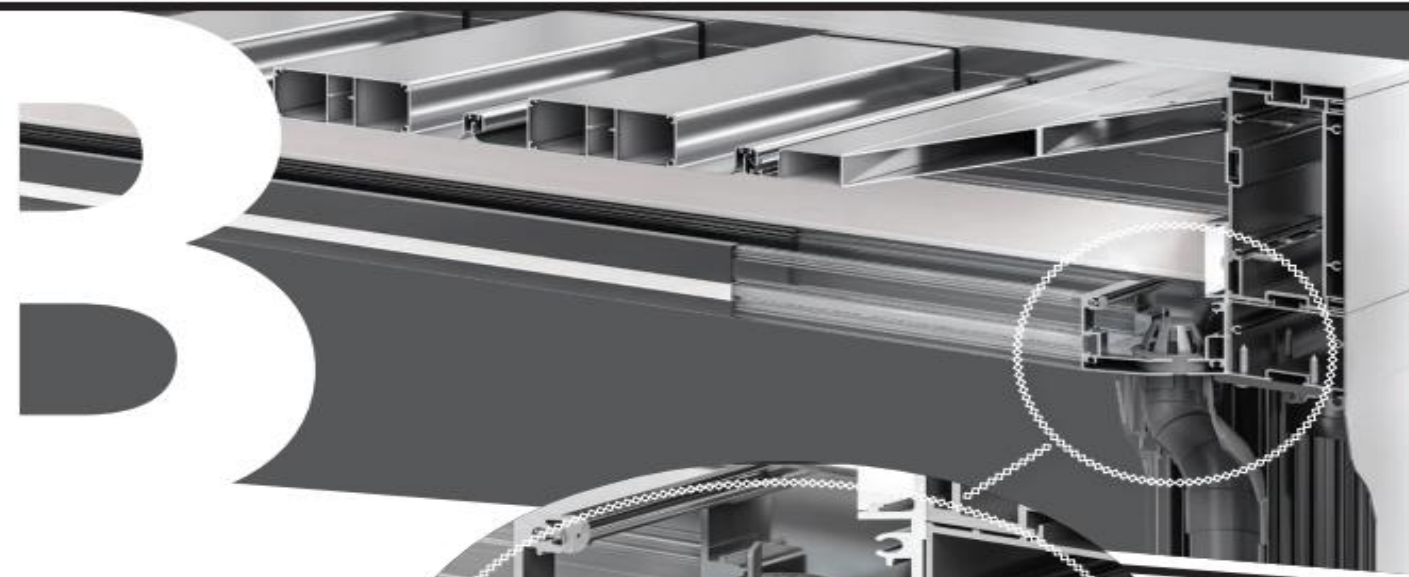
The innovative design of our Bioclimatic Pergola system offers protection from rainfall. The design of the fins in combination with the special rain collector around the horizontal beams of the system, allows water to drain inside the vertical column and finally at their output to the base of the system outside the covered surface.

**Powerful blade drive motors with IP 67 protection and fully operational between (-20°C, and + 60°C)**

Waterproof and IP 67 protection from all water thanks to our innovative Water collection system



Our pergola system can cover large surfaces and protecting them from the rain avoiding overflowing the water collection system, and without losing any of its additional functions. The fin profiles are designed to temporarily store water during heavy rainfalls giving the time to the water to evacuate correctly.



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## ... Shading for everyone, everywhere, and in any space

The design of the system allows countless options with:

- / stand alone width of 6,00 meters with only 4 columns,
- / more than 20 typologies of constructions,
- / large combination with peripheral systems,
- / possibility to choose a large variety of lighting systems,
- / many combination with electronic devices and sensors



4 COLUMNS



6 COLUMNS



2 COLUMNS



SLIDING PERIMETER SHADING / GLASS



FOLDING PERIMETER SHADING / GLASS



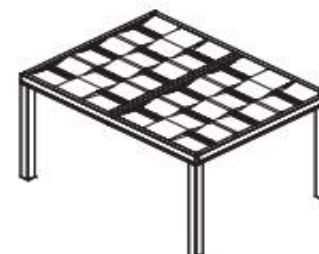
STAND ALONE WITH MOVABLE LOUVERS



WALL MOUNT WITH MOVABLE LOUVERS



WITH TISSUE SHADING



GLASS / PLEXIGLASS



typologies



## WOOD EFFECT



**M 11**  
GOLDEN OAK



**L 11**  
NUSSBAUM



## SUPER DURABLE



**RAL 501**  
SAHARA BLACK



**RAL 502**  
SAHARA GREY



**RAL 518**  
SAHARA HAVEN



## MAT, STANDARD OR PEARL



**RAL 1013**  
MAT



**RAL 7030**  
STANDARD / MAT



**RAL 7040**  
STANDARD / MAT



**RAL 7006**  
STANDARD / MAT



**RAL 9006**  
PEARL

## ... Color superiority

Color coating is a key element of architecture and aesthetics of the Pergola. At the same time, it protects the aluminium profile from all external conditions.

More than 300 coatings options are available for our Pergolas, in seven major color categories. The colors are certified by the international Qualicoat, Qualideco certificates and Seaside Class, which guarantee the final quality of the coating.

Possibility of pre-anodizing for resistance to intense corrosive environments and special weather conditions



\* The shades may deviate from the final result.

# ALUANDGLASS

## BIOCLIMATICAL PERGOLA

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