



BIOFLEX HARMONY

Bioclimatic Pergola System







Modern Comfort, Natural Pleasure

Life's most precious moments are the ones we spend close to nature with the people we love. Coming together in the fresh air, surrounded by the beauty of nature, lets us create unforgettable memories.

With Albert Genau Winter Garden and Bioclimatic Pergola systems, you can fully enjoy your connection with nature. We can't wait to bring your unforgettable moments together with our carefully designed outdoor enclosure systems.

Bioflex Harmony

Bioclimatic Pergola

Would you like to enjoy all the advantages of the outdoors without having to protect yourself from the weather?

With the Albert Genau Bioclimatic Pergola, you can enjoy your garden or terrace all year round. Would you prefer a shaded area or would you rather feel the sun? With the remote control, you can open and close the automatic opening roof as much as you like.

You can enclose the sides of the Bioflex pergola with Albert Genau movable glass systems. This gives you a space whose roof and sides open and close as you wish, suitable for every climate.



A Four-Season Outdoor Experience with Climate Modes

The Bioclimatic Pergola has a flexible design that adapts to a variety of weather conditions. This allows the user to adjust the opening as desired, choosing between options such as sunbathing, ventilation and full insulation.

The Albert Genau Bioclimatic Pergola has successfully passed the Constant Heavy Rain Condition tests (108 l.m²/h).









Dual-System Ambient Lighting

The Albert Genau Bioclimatic Pergola is equipped with a dual lighting system. One system lets you set the daylight LED to the intensity you want, while the other lets you set the RGB ambience to the colour and intensity you wish. Both systems are controlled by remote control.



Bioflex's lighting functions are optional. They can be added to the system as ambient (RGB) lighting or as area lighting. The pergola can also be used without a lighting system.



- RGB Colour Palette
- Daylight Lighting
- Adjustable Light Intensity
- 8-Channel Operation





Scissor System with Adaptive Movement

The panels of the bioclimatic pergola open and close in sync with the scissor system, delivering reliable performance. These scissors keep the position and speed of the panels under control, preserving the integrity of the system.

The Albert Genau Bioclimatic Pergola is equipped with carefully designed rail and panel mechanisms. Its adaptive movement feature absorbs possible errors and keeps the movement of the panels safely under control. The movement mechanisms are made of corrosion-resistant 304-grade stainless steel.



Motor with 5-Year Warranty

The system uses a quiet and powerful Albert Genau-branded motor, made in Italy and backed by a 5-year warranty. The Albert Genau motor ensures smooth, comfortable movement of the system. If desired, the pergola can also be integrated with smart home systems. (Optional)









Insulated Panels for Sound and Heat Insulation

The pergola panels feature two-way insulation. The seal-and-brush insulation system blocks water, light and air, while the high-density XPS panel filling provides maximum thermal and acoustic insulation. (Panel filling is optional.)



Seamless Oval Post

The Albert Genau Bioclimatic Pergola diversifies the aesthetic and functional look of its posts. With oval or flat covers to suit different tastes, it offers a seamless post appearance.



Drainage System with Leaf Guard

The Bioclimatic Pergola's water drainage system, fitted with a special leaf guard, prevents blockages and is extremely easy to maintain. It offers a long-lasting, low-maintenance solution.



Monoblock Gutter

The pergola's double-layer gutters are extra durable and feature anti-deflection geometry. Thanks to their double-cell structure, they can be integrated with any Albert Genau glass balcony, sliding or guillotine system without drilling the gutter. The monoblock structure makes waterproofing and drainage easier.









Infinite Modularity with Custom-Designed Beam and Connection Systems

The Albert Genau bioclimatic pergola system offers infinite modularity and allows wide spans to be covered without additional posts.

Its flexible and robust structure makes a wide range of space designs possible. A single module can be installed up to 7 metres wide. (*)

The support beam works together with an easily integrated lighting system, creating an aesthetic look.



Freestanding Single Module



Wall-Mounted Single Module



Freestanding Module Joint



Wall-Mounted Module Joint



Multi-Module Centre Joint
(Single Centre Post)



Offset Post Application
at Module Joints (**)

*** A support profile must be used for system widths between 4 m and 7 m.**

**** Designed for entrances/exits and side enclosures. The application is the same whether the system is wall-mounted or freestanding.**







- △ Automatic Guillotine Glazing
- ⊕ Sliding Glass Balcony



100% Integrated Albert Genau Systems

By completing the sides of the Albert Genau bioclimatic pergola system with sliding glass balcony or automatic guillotine glass systems, you can create a 100% integrated outdoor living space. The pergola system comes together seamlessly with this integration and installation is hassle-free. As a result, all systems are covered by Albert Genau quality and warranty.

Automatic Guillotine Glazing Systems



Automatic guillotine glazing systems are fully automatic, vertically moving glass systems controlled by remote control. When open, the system can be used as a balustrade.

Double-Glazed Guillotine Glazing System,
Cleanable Guillotine Glazing System,
Top-Stacking Guillotine Glazing System,
All-Glass Guillotine System

– available in 4 types.



The Cleanable Guillotine Glazing System has received the iF Design and Red Dot awards from Germany, the Good Design award from the USA and the Altın Çekül award from Türkiye, making it the world's only guillotine system with 4 awards.

Sliding Glass Balcony Systems

Albert Genau sliding glass balcony systems fall into two groups: the double-glazed SlideMaster, and SliderNext, whose frameless profile design allows a panoramic view.



The double-glazed sliding glass balcony system SlideMaster lets balconies, terraces and winter gardens be enjoyed in all four seasons and in all weather conditions. Thanks to its corner joint profiles, it can be installed in L- and U-shaped spaces without posts. Albert Genau's patented wheel mechanisms have a panel load capacity of 150 kg. All sashes move with minimal friction and noise, opening and closing comfortably.



Allowing a panoramic view, SliderNext offers an aesthetic look with its frameless design. Its patented cap design ensures quiet and comfortable panel movement. The system has 5 different lock options.





Technical Details

Maximum Width	550 cm with Single Centre Support Beam, 700 cm with Double Centre Support Beam
Maximum Projection Depth	690 cm
Maximum Height	350 cm
Post Size	16 cm x 16 cm
Panel Size	27 cm x 4 cm
Single Module Roof Opening	80%
Single Module Coverage Area	30 m ²
Post Cover	Oval / Flat
Gutter - Beam Connection	Interlock Mechanism
Panel Design	Anti-Deflection Convex Geometry Panel Design
Load-Bearing Profiles	T6 Temper Reinforced Profiles
Insulation	Panels with Double Insulation Channels (Brush and Seal), XPS 40 DENS Panel Core Filling (Optional)
Automatic Control	1-Channel / 5-Channel Remote Control
Modularity	Unlimited Modules Along Both Axes
Tensioning Mechanism	Double-Safety Tension System
Fixing Elements	304 Stainless Steel Panel Support Shafts
Lighting (Optional)	2700 K Daylight Strip LED - RGB Strip LED (8-Channel Dimmable Remote Control)
Motor	Albert Genau Motor / Somfy Motor (Optional)
Panel Movement	Adaptive Accordion Movement - Alignment Control System (ACS)
Water Test	Constant Heavy Rain Condition: 108 l.m ² /h







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