



Creating Outdoor Spaces



The New

An impressive range of aluminium pergolas with

rotating louvers and **bioclimatic** attributes

fully **automated** and integrated with functional **side elements**

to convert an outdoor space into a comfortable living experience.

Controlled **sun-shading**, regulated **brightness** and **ventilation** as well as effective **protection** against rain and harsh weather conditions.



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What is new!!!

- New design with new anchorage system and all screw hidden
- Easier installation procedure, saving time on site
- Watertight blades, very sturdy and resistant against snowfall
- Improved drainage system with integrated pipping and the less use of silicone possible
- New lighting system on the blades but also around the gutters
- Bi-Color possibility





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Models

BladeRoof 12

Pillars 120X120

Beams 120X260

Max. Dimensions 6200X4500 or
4200X6500

BladeRoof 16

Pillars 160X160

Max. Dimensions 7500X7500

Both series use the same louver profile, rotation mechanism, drainage system (50/75mm), assemble philosophy, side-elements integration and adapt the bioclimatic philosophy



Models

BladeRoof 16

BR 16 model offers extreme robustness and constructions of dimensions, up to 7500 x 7500, creating a unique product in the outdoor market.

Ideal for residential use, where areas around 50sqm will require only a 4 pillar structure, BR 16 will create an extraordinary outdoor space.

For commercial use, hotels, restaurant, cafes and even event halls will benefit by this enormous structure, closing for example an 110sqm area with only 6 perimeter pillars.



Models

BladeRoof 12

BR 12 model is more than a classic bioclimatic pergola. Like BR 16 is an elegant and robust product that can cover areas with maximum dimensions 6200X4500 or 4200X6500.

BR 12 is also modular and produced in single or coupled version.

The flexibility, the high quality materials used and the competitive price, place BR 12 on the niche Bioclimatic models in the market.



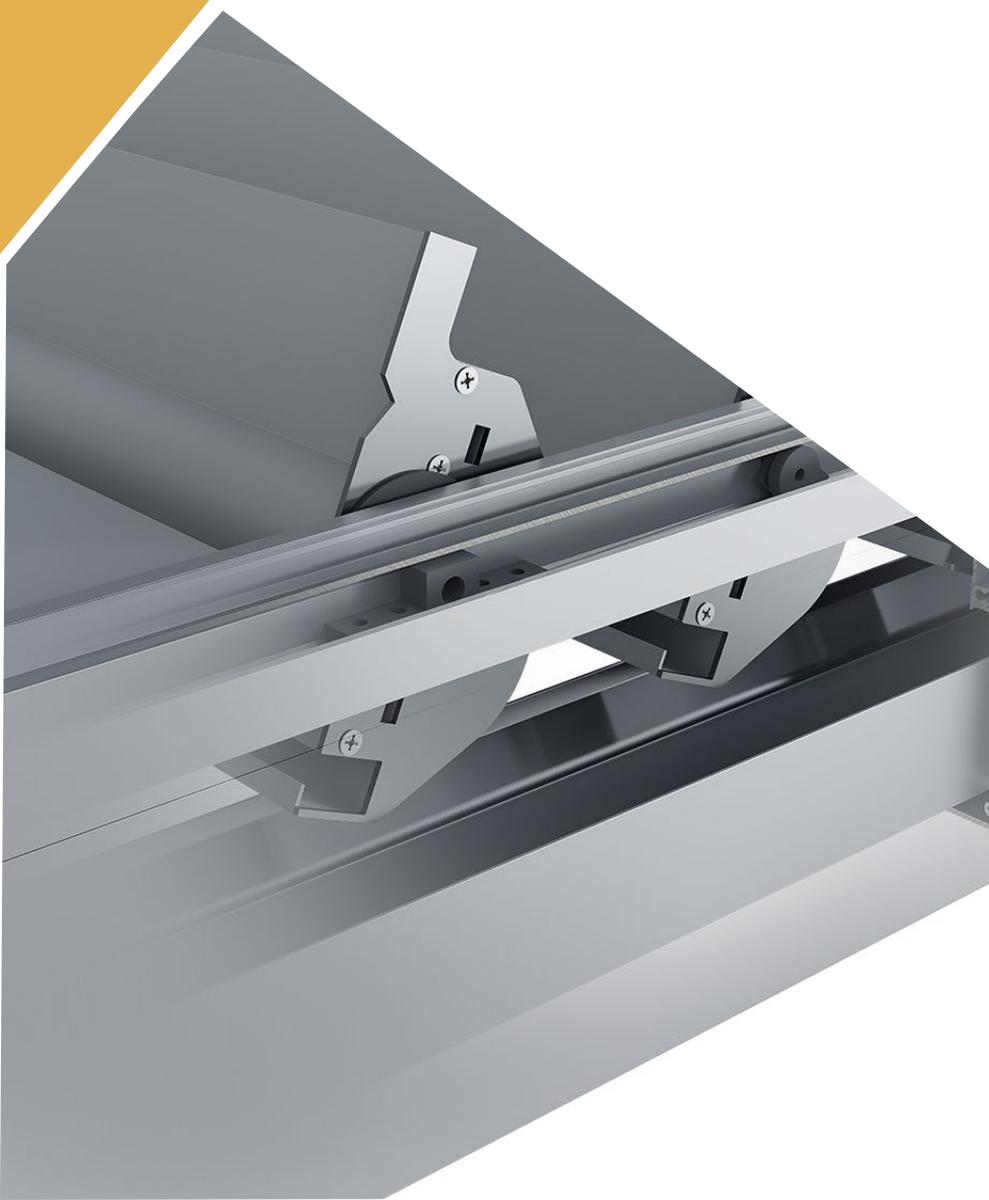


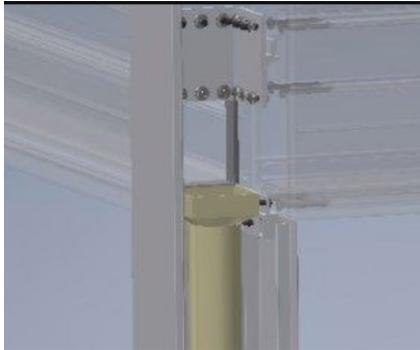
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Rotating mechanism

Our bioclimatic models integrate a unique and patented rotation system (0-135°), totally **concealed**. The motor is inserted in a special louver, to grant outstanding reliability, total weather protection, as well as **flawless** and really **noiseless** operation.

The louvers can rotate and stop at the desired position, in order to fulfill the Bioclimatic concept.



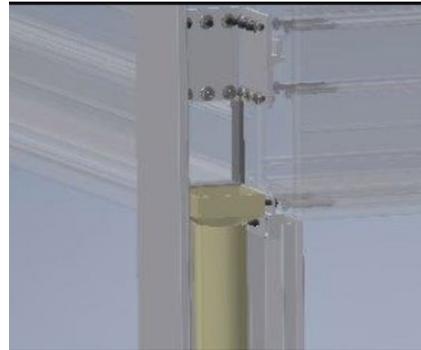


Assembling & Installation

Both Bioclimatics are designed and produced based on the use of sturdy connectors **without any visible fixation points**, as well as **very easy installation** and wiring facilitation

- Hook-type accessories for transom-mullion connections
- Cover profiles for mullion, transom and gutter
- Reinforced & chambered profiles
- Modular profile design & assemble





Technical Details

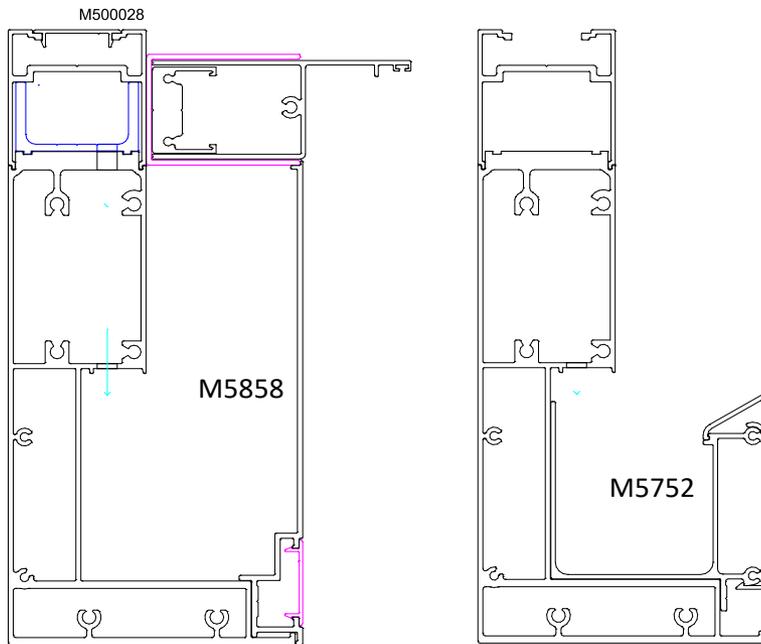
Rain protection

- ❑ Sophisticated water **sealing** and **drainage system** to prevent potential problems due to rainwater and ice-breaking.
- ❑ Rigid louvers with gaskets, that won't bend on severe weather conditions.
- ❑ Wide gutters and 50/75mm piping inside the post to avoid overflow or breakage due to frost.
- ❑ Plastic flanges and no use of silicone for long-lasting result.



Technical Details

Transom



Transom section
parallel to louvers
(concealed space)

Transom section
vertical to louvers
(gutter)

The two sides parallel to louvers, have a concealed space as indicated in the drawing.

Various electrical devices can be either stored inside this space (e.g. transformers) or fixed on the cover profile (speakers, LED, etc)

Several sections have additional cover profiles to allow various connections and have no visible fixation and wiring points. Like the pillars for example.

Technical Details

Pillars

BR 12 with 120x120 and BR 16 with 160x160 pillars, aluminium plate and 400mm alum. core.

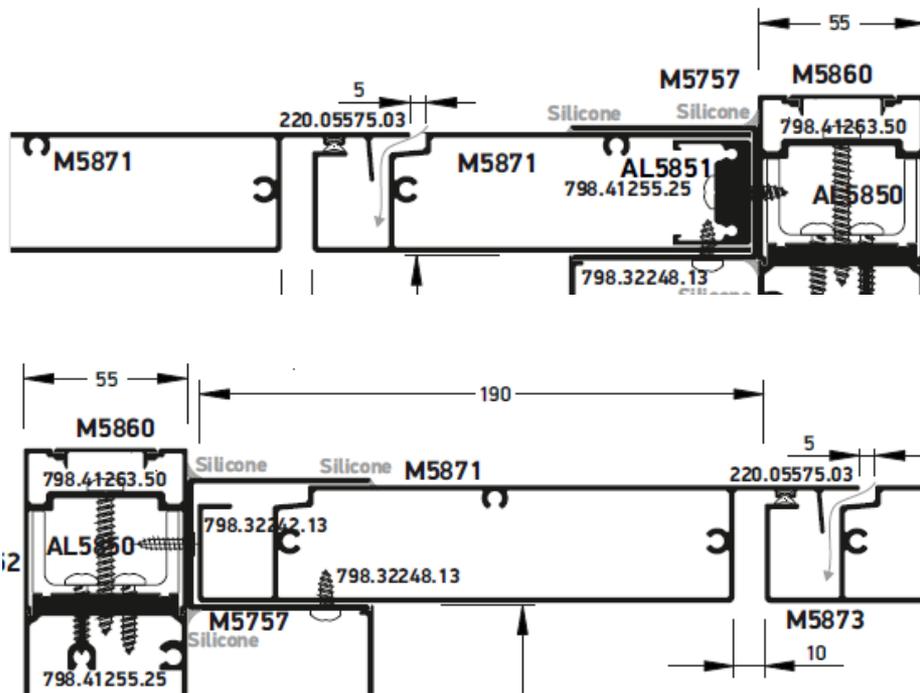
Adjustable anchorage with double plate

Steel plates 250x250 and 300x300mm
Concrete bases with integrated drain

Integration between rotating and fixed pergolas (PG120F & PG120P), e.g in multiple constructions (same pillar and beam profile)



Technical Details Louvers



- Louver to louver overlap and special gasket for efficient sealing
- 190mm louver space
- Corrosion free profiles and accessories
- Pergola length is adjusted by cm by adjusting the fixed louver to the desired dimension



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Optional accessories

Sliding Glass system

Full frame sliding glass system with integrated drainage

Three and Five truck runners for maximum 10 panels per system covering up to 10 meters.

Lock system available.

Vertical, delicate, profiles of 10mm to close any gap and ensure the maximum protection from air.

10mm glass panel only!





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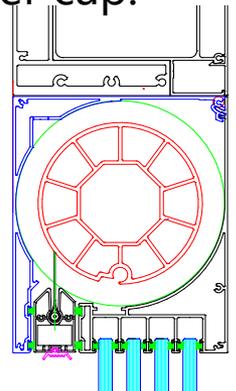
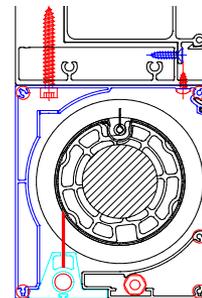
Optional accessories

Vertical shading system

Vertically rolling fabric screens with ZIP technology, very strong and stretched to allow large dimensions, up to 2.7x6.0m.

Special design to have the parts concealed and retain minimal design.

Integrated runners by replacing one pillar cap and use the runner cap.



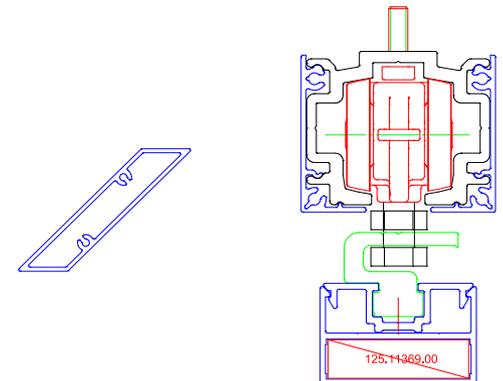


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Optional accessories

Vertical shading system

- Top-hung aluminium shutter integrated in the pergola structure, creating an additional effective side-shading.
- Bottom rail to stay stable while windy
- Optional bicolor combinations, e.g. wood effect colors, for elegant design.



Optional accessories

Vertical shading system

Everything can be controlled by a single remote control, a smartphone, a tablet



Programmable shading and slats adjusted during the day



Advanced rain sensor, which closes the slats immediately in case of a sudden rain or snow



Wind sensors to avoid any damage in harsh wind cases



LED strips and spotlights can be controlled by the same remote control



Sound system with Bluetooth technology can be integrated





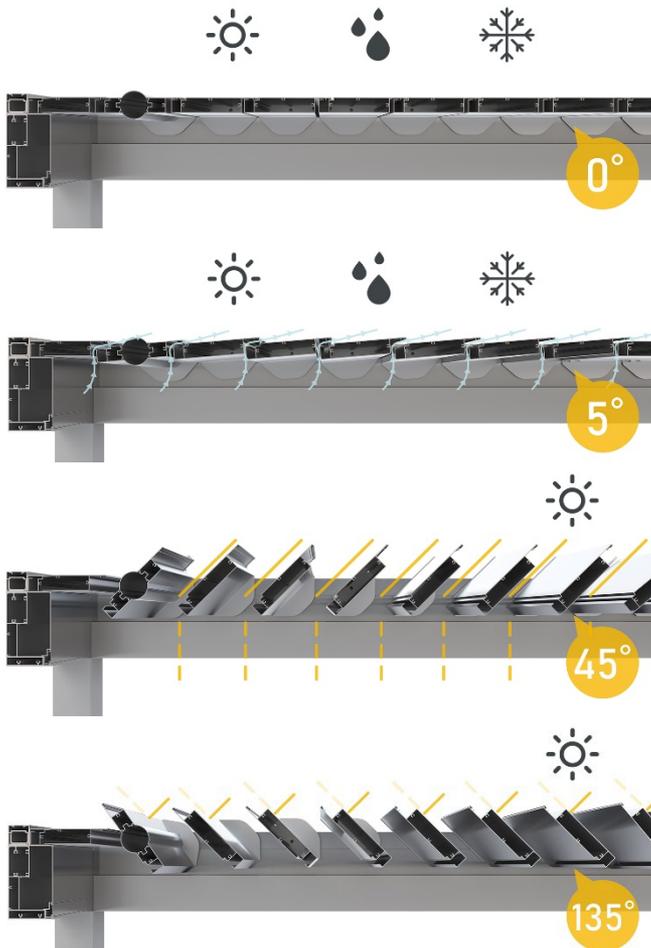
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Why BladeRoof???

Advantage points

- ❑ Straight lines and flat surfaces (top/underneath), clean look
- ❑ No visible fixation points
- ❑ Concealed and noiseless mechanism
- ❑ Large dimensions, less units, lower cost, better view!
- ❑ Sophisticated drainage system ideal against frost and severe weather conditions





Why BladeRoof???

Weather Conditions

- Sufficient sun shading (0-135°)
- Vertical shading system
- Efficient rain protection
- Sophisticated sealing & drainage system
- Reduced ice damage risk
- Extreme resistance to heavy snow falls up to **300 Kg/m²** which equals to 2.0m first fallen snow. More analytically,
300Kg/m² with 3.3m
200Kg/m² with 4.5m
100Kg/m² with 5.5m



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Why BladeRoof???

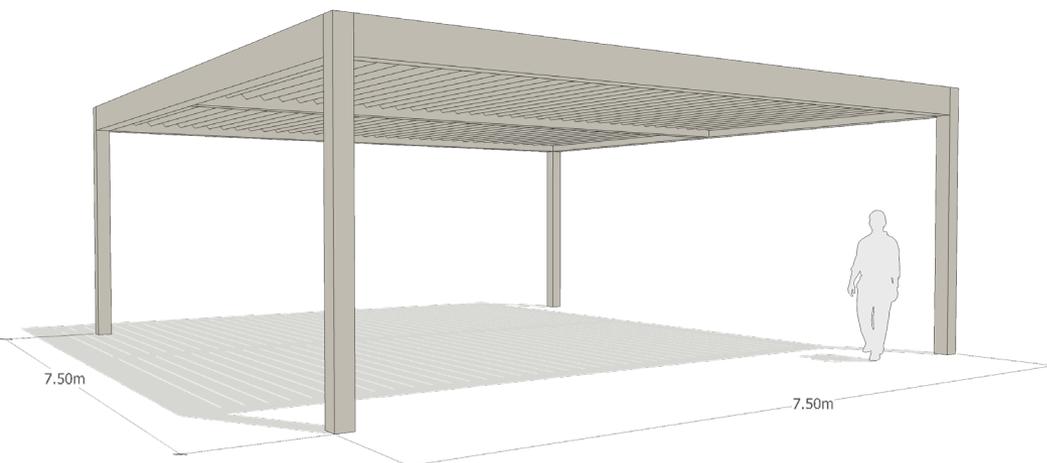
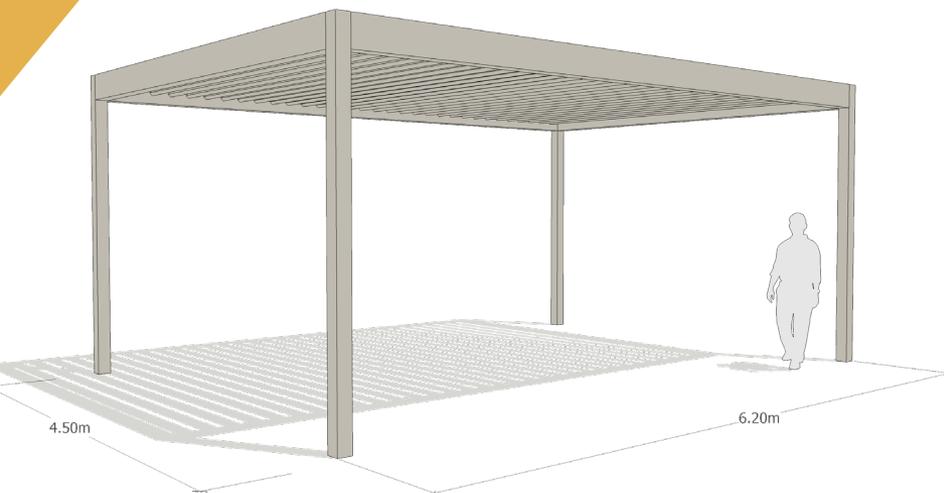
Dimensions

Extreme sturdiness and ability to cover very large surfaces, more than **50m²**, with only 4 posts.

Bladerooft model is unique and a pioneer in XXL dimensions

BL 12 up to 6.2x4.5/ 6.5x4.2m

BL 13 up to 7.5x7.5m





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Why BladeRoof???

Modular & Flexible



- ❑ The system offers multiple construction options, meeting every need and complexity.
- ❑ Free-standing and wall-mounted, single, double, triple, etc and corner
- ❑ Multiple and complicated structures due to the profile modularity
- ❑ Combined with additional side-elements and other parts
- ❑ Combined with fixed louver structures (BL 12) and other Outdoor solutions
- ❑ Intermediate to intermediate transom connection



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Why BladeRoof???

Powder Coating & Treatment

- Qualicoat and Seaside Qualicoat (optional) treatment available**
- Coated only with class 2 powder coating standards to avoid any early discoloration
- Accessories made of extruded aluminium instead of die-cast (no peel-off)
- Pre-anodizing process (optional)**
- * *Six (6) matt and six (6) textured plus 70 more RAL colors*

