



LET'S BUILD A BETTER FUTURE

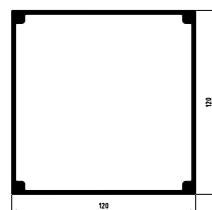
 Pergola
MB-OPENSKY 120

THE MOST ROBUST IN ITS CLASS

The structure of the **MB-OpenSky 120** system is designed in consultation with facade design experts resulting in an extremely durable and robust product.

The pergola columns are made of high-strength extruded aluminium profiles, with a geometry that gives exceptional rigidity to the entire structure.

The use of an innovative method of fitting profiles has ensured the stability of the entire system, as well as aesthetically pleasing connections with invisible gaps.



Columns of square section
with a dimension of 120 mm in width



Edge purlin with dimensions
of 120x190 mm



Power transmission mechanism with automatic adjustment system - quick installation and easy slat adjustment

Special rafter revision to allow installation of radiant heaters

Gabled drainage system - effective drainage of rainwater from the roof inside the entire column surface

Robust construction and highly aesthetic connections

Roof module made up of slats - extremely smooth change of angle of inclination in axis from 0 to 135°

A motor is aesthetically concealed in the design

Two available shapes of slats: SLIM (Z type) and STANDARD (FLAT type)

Option to mount the intermediate column to the finished structure

Aesthetically concealed articulated consoles for easy installation

EVERY DETAIL IS CONSIDERED

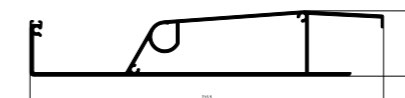


COMPACT AND RELIABLE

The roofing of the **MB-Opensky 120** pergola is a module made up of movable slats, equipped with a mechanism enabling smooth change of its inclination angle from 0 to 135° on the axis. The range includes slats in two shapes: SLIM (Z type) and STANDARD (FLAT type).

Due to their design, they allow the roof to be sealed tightly. In addition, they have been fitted with special sealing gaskets to provide additional protection against rainwater.

The transmission mechanism, equipped with an automatic adjustment system, allows rapid installation on-site and easy and problem-free adjustment of the individual slats.



Roof slat STANDARD with dimensions
40×216,5 mm



Roof slat SLIM with dimensions
49×238 mm



Free-standing pergola



Transverse, wall-mounted pergola



Double-sided wall-mounted pergola



Longitudinal, wall-mounted pergola

DESIGNED TO MEET EXPECTATIONS

The **MB-OpenSky 120** pergola is offered in various sizes and configurations to suit the needs of investors. The selection of the appropriate dimensions and configuration of the structure depends on the type of area to be covered and the installation possibilities.

The maximum dimensions of the pergola are: length 6 m × width 4 m × height 3 m.

The product is available as a free-standing and wall-mounted version. Additionally, an option exists to install the pergola structure between two walls using only one post, which can be particularly beneficial for terrace niches.



ROBUST UNDER ALL CONDITIONS

The clever design of the **MB-OpenSky 120** pergola makes it durable and resistant to weather conditions. The product has been equipped with a gabled drainage system, allowing rainwater to be effectively drained from the roof inside the entire surface of the column.

Tests have shown that for maximum dimensions, i.e. **length 6 m × width 4 m × height 3 m**, the product meets the following strength parameters:



snow load **up to 72 kg/m²***



wind load **up to 110 km/h**








water discharge capacity of **up to 57 l/min**

* In the event of heavy snowfall, it is recommended to clear snow from the roof.

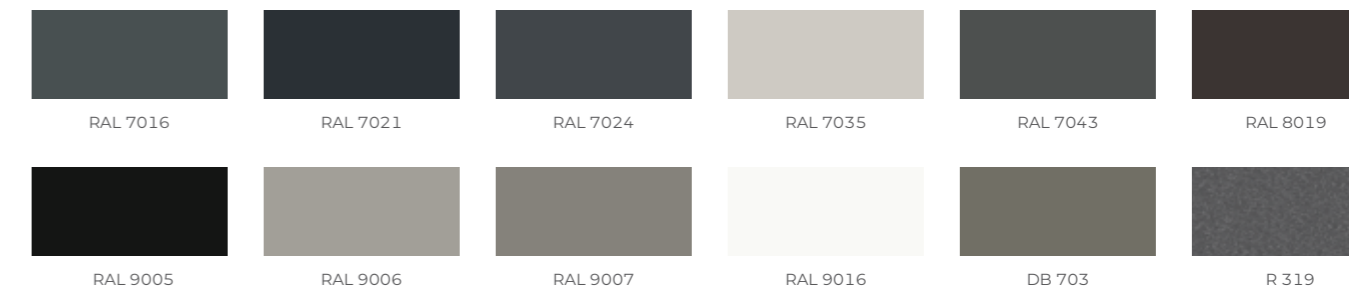




PERFECT DESIGN FEATURES

-  An option to use side screens such as sliding glass panels MB-OpenSlide and/or screens
-  LED lighting available: linear for SLIM slats or punctual for STANDARD slats and along the outline of the structure
-  option of installing radiant heaters,
-  versatility for SMART control applications,
-  the pergola structure can be varnished in any RAL colour.

Standard colours of pergola **MB-OpenSky 120** construction



Basic colour range includes matt or structural wcoatings according to Aluprof's price lists.
The colours shown above are for illustrative purposes only, and the actual appearance may differ from the colour shown in photographs.



PRACTICAL AND SAFE

A complement to the **MB-OpenSky120** pergola offer is the **MB-OpenSlide** all-glass sliding system. This system enables the creation of aesthetically pleasing and modern glass enclosure featuring sliding wings. Depending on their number and arrangement, these wings can slide to one side or symmetrically to both sides. A major advantage of the system is the unique rail geometry that prevents the wing from falling out, ensuring straightforward and convenient usage of the entire structure.

Thanks to the **MB-OpenSlide** glass panels, a unique atmosphere can be created in a natural setting, irrespective of prevailing weather conditions.





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