

MB-OpenSky 120 louvered roof pergolas fit well into the trends of modern construction, offering aesthetic and adjustable protection from the sun.

The MB-OpenSky 120 system allows to build free-standing pergolas with the following overall dimensions:

- width up to 4.0 m,
- length up to 6.01 m,
- height up to 3.0 m.

Overall dimensions of sections

- post: square pole with a side dimension of 120 mm,
- roof beams: rafter or purlin with cross-sectional dimensions of 115,9 x 190 mm,
- louver slats with cross-sectional dimensions of 238 x 49 mm (SLIM) or 216.5 x 40 mm (STANDARD).

The structure of the MB-OpenSky 120 pergolas is made of dedicated profiles characterized by high rigidity and strength. The post and purlin profiles are connected at constructional nodes with concealed L and C connectors using an innovative fitting system and system steel pins to ensure appropriate structural rigidity and aesthetic appearance of connections, without no visible gaps.

The louvered pergolas system is designed to meet the conditions of required resistance to wind and snow loads - the permissible loads are specified in the section STRUCTURAL ANALYSIS.

The system offers two variants of the roof with different visual qualities. Regardless of the version, the movable slats make it possible to close the roof tightly, and the innovative 'dry gutter' drainage system allows for effective drainage of rainwater.

The roof control system allows for convenient opening, closing or setting the angle of roof slats within the angle range from 0 to 135 degrees for SLIM slats and from 0 to 105 degrees for STANDARD slats.

The control can be carried out using a remote control device, a switch, an application on the phone or by means of an appropriate scenario in the home control system. The system also includes various types of sensors to ensure the user's comfort, including: wind, rain and sun sensors.

The system also allows the use of LED lighting as option.

