

BAVONA TP6500 Hardtop

Terrace pavilions comprising a continuous cubic frame (extruded aluminium profile dimension 230 x 115 mm) and a lamella canopy. The construction is supported by 4 profiled supports (dimensions 115 x 115 mm). Numerous possible foot bracket options round out the system. The frame can be fastened directly to a structure, thereby permitting wall or ceiling mounting (with additional angle brackets). The water runs off through a circular gutter integrated in the frame, where the water flows in via the lamellas. The channel can be drained via hoses in the supports. The lamellas can be swivelled steplessly to a maximum of 115°, which ensures optimum setting of the desired light conditions. The lamella roof protects against rain when closed. In the slightly opened position, a heat build-up is prevented by the bio-climatic air circulation, thereby ensuring a pleasant climate.

The slat roof is particularly water-repellent, but not completely waterproof.

Wind resistance

The system satisfies wind resistance class 4 when extended (tensioned fabric) or to 150 km/h when retracted (DIN 13561 compliant).

Snow load

The system is able to withstand a snow load of up to 110 kg/m².

Drive

Operated via a low-noise electric cylinder with mechanical limit stop. 24 V supply, IP66 protection class. The cylinder opens and closes the lamellas via a carrier profile.

Option

Drainage

Optionally, the water can be drained through the foot brackets into the floor or with lateral recess at the support. 1 water run-off is required for lamellas with a surface area of 12 m², and 2 run-offs for a surface area up to 24 m².

Integrated LED lighting

Up to three lamellas (position freely selectable) can be equipped with light. A groove, in which a LED light strip (warm white) or RGBW light strip is installed, is provided in the lamella profile for the integrated lighting. This is covered by a reflective plastic profile.

Operating the white LED light strip:

- Switch on/off/dim using an external light switch/dimmer.
- Use wireless (Somfy io) to switch on/off/dim.

Operating the RGBW light strip:

- Use wireless (Somfy io) to switch on/off/dim/change colors.

Adaptive LED lighting

A triangular aluminum LED profile can be suspended from the frame profile at the integrated water channel. The built-in white (warm white) LED light strip or RGBW light strip is covered by a reflective plastic profile. The flexible mounting enables direct or indirect lighting to be selected.

Operating the white LED light strip:

- Switch on/off/dim using an external light switch/dimmer.
- Use wireless (Somfy io) to switch on/off/dim.

Operating the RGBW light strip:

- Use wireless (Somfy io) to switch on/off/dim/change colors.

Glazing

The full glass sliding system SV1020 can be used for side glazing. The maximum side surface area of 15 m² per side must not be exceeded.