

**BAVONA TP6100 Softtop**

Terrace pavilion consisting of a surrounding cubic frame profile (aluminium extruded profile dimension 230 x 115 mm) and a folding awning as canopy. The construction is held up by 4 support profiles (115 x 115 mm). A range of foot plates adds the perfect finish. The frame profile can be fixed directly onto a building. This means that wall or ceiling installation (with an additional angle profile) is possible. Water is drained away through a built-in gutter in the frame profile, into which the water flows over the cover. The channel can be drained via hoses in the supports. The folding awning, consisting of separate cover tracks held by Keder profiles (30 x 65 mm), can be extended and retracted using the front rail (70 x 65 mm). A patented distance sensor system with trimmers and rolls is also used. This extends the fabric webs and then folds them again in a controlled manner.

The folding awning can be used as a rain cover, but the system is not completely waterproof.

**Cover:** Fabric covering consisting of polyester fabric (630 g/m<sup>2</sup>) with polyvinyl chloride coating and high-grade surface texture making it suitable for permanent outdoor use. Material thickness 0.5 mm. Washable and watertight up to a water column of 3000 mm. Flammability: Flameresistant class B1 in accordance with DIN 4102-1.

**Wind resistance:** The system fulfils wind resistance class 4 when extended or up to 150 km/h when retracted (in acc. with DIN 13561).

**Drive:** Driven by an electrical drive with mechanical end stop. Power feed 230 V, IP protection class 54. Force transfer to a motor shaft 6-kant 16 mm Ø, which uses toothed wheels to pass on the movement to a plastic toothed belt with Kevlar reinforcement on both sides on the drop profile.

**Options:**

**Drainage:** The water can either be drained through two supports directly through the foot plates or via a lateral recess on the supports. In the case of a cover area of up to 12 m<sup>2</sup> only 1 water run-off is needed, up to 24 m<sup>2</sup> both are necessary.

**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:** For side glazing, the all-glass sliding panel system SV1020 up to max. 15 m<sup>2</sup> per side is used.