

ASTANO TR4120 Softtop

Horizontal roof system consisting of a surrounding cubic frame profile (aluminium extruded profile dimension 230 x 115 mm) and a folding awning as canopy. The frame profile can be fixed directly onto a building. This means that soffit fixing or hanging or surface mounted installation is also possible using an additional angle profile. Water is drained away through a built-in gutter in the frame profile, into which the water flows over the cover. The gutter is drained via a discrete pipe system in the corner.

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/m²) 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: Flame-resistant 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

Water can be drained away at two corners using a discrete pipe system. In the case of a cover area of up to 12 m² only 1 water run-off is needed, up to 24 m² 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.