

ASTANO TR4520

Horizontal roof system comprising a continuous cubic frame (extruded aluminium profile dimension 230 x 115 mm) and a lamella canopy. The frame can be fastened directly to a structure, thereby permitting a soffit mounting or a suspended or mounted assembly 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 gutters drain through suitable pipework in each corner. 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 bioclimatic air circulation, thereby ensuring a pleasant climate.

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

The water can be drained through suitable pipework to the desired corner. 1 water run-off is required for lamellas with a surface area of 17 m², and 2 run-offs for a surface area up to 36 m².

Integrated LED lighting

Up to three lamellas (freely-selectable position) with light can be retrofitted. The lamella profile has a groove for the integrated lighting, into which an LED strip (warm white colour temperature) is installed. This groove is covered by a plastic reflector profile. The lighting can be switched on and off or dimmed via an external light switch/dimmer. Remote switching on/off and dimming is possible.