TCO SHADING



PERGOLA AWNING

TCO STOA FLAT

Horizontal pergola awning with retractable fabric

Wind Class 5 | **up to 5.00 × 7.00 m** | **Somfy iO wireless motor**

General characteristics

TCO Stoa Flat is installed at **zero inclination**, perfectly horizontal, for clean, contemporary lines. The **fabric retracts electrically** over curved intermediate beams that lead rainwater into the perimeter gutters. Freestanding or wall-mounted, it covers areas of up to **5.00 × 7.00 m**.



The fabric retracts to open the sky at the touch of a button.

Sun & rain protection
Curved beams and a 27.5 cm perimeter gutter with 4 drainage points.

Wind Class 5
Certified wind resistance.

All-aluminium
High-resistance powder coating in any RAL colour.

15 × 15 cm posts
Hidden internal reinforcement and concealed screws for a clean look.

Motorised
Somfy iO wireless motor, also controlled from a smartphone.

LED lighting
On the beams, along the perimeter or both, with dimmer.

RAL colours at no extra cost

RAL 9016	RAL 1013	RAL 1019	RAL 7040	RAL 7016	RAL 8017	RAL 9005
White	Ecru	Beige	Grey	Anthracite	Brown	Black

Available in any RAL colour. Standard high-resistance Ammos-Structura coating, with an optional **Marine**-grade finish for coastal areas.

Operation & lighting

Electrical operation

The system runs on a **Somfy iO wireless tubular motor**, controlled by remote, smartphone or computer. The motor has an automatic thermal stop for its protection.

Lighting

LED (COB) strip on the intermediate beams, along the perimeter or both, even asymmetrically on the beams.

- Warm 3000K · Daylight 4000K · Cool 6000K
- On/off or dimmable
- Optional RGB spots (LED LUX)

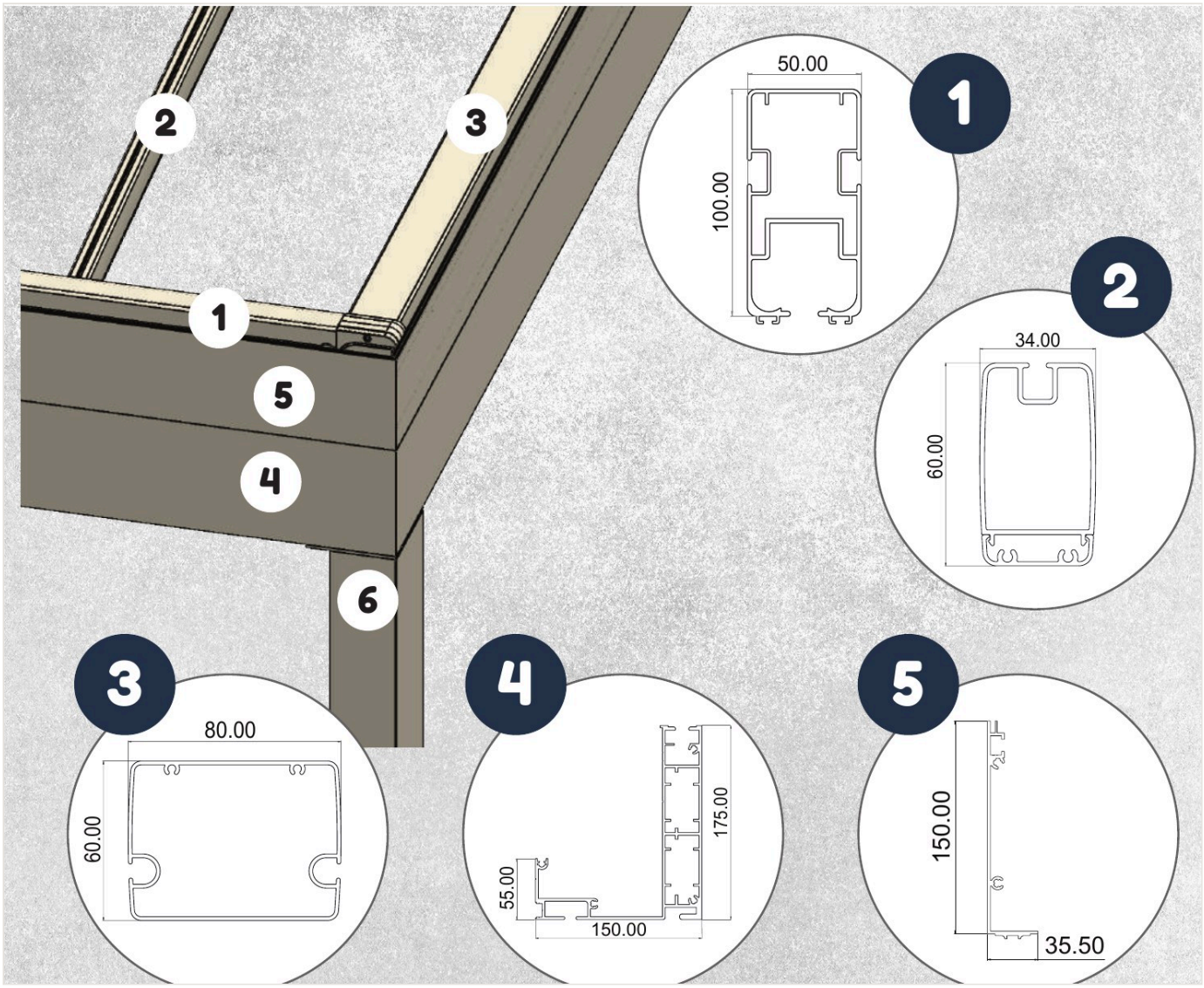


LED spots on the beams and perimeter LED strip.

Technical specifications

Type	Horizontal pergola awning, zero inclination
Cover	Retractable fabric on curved beams
Width	**1.00 – 5.00 m**
Projection	**3.00 – 7.00 m**
Movement	On 2 Pro100 guides
Drainage	27.5 cm perimeter gutter, 4 drainage points
Wind resistance	Wind Class 5
Material	Aluminium
Finish	Powder coated, any RAL · Marine optional
Motor	Somfy iO wireless tubular motor, thermal stop
Lighting	LED COB 3000K / 4000K / 6000K, on/off or dimmer
Posts	150 × 150 mm freestanding · 150 × 100 mm wall-supported
Certifications	ISO 9001 · ISO 14001 · ISO 45001
Made in	Greece

Technical drawings



1 Guide rail 50 × 100

2 Intermediate beam 34 × 60

3 Front beam 80 × 60

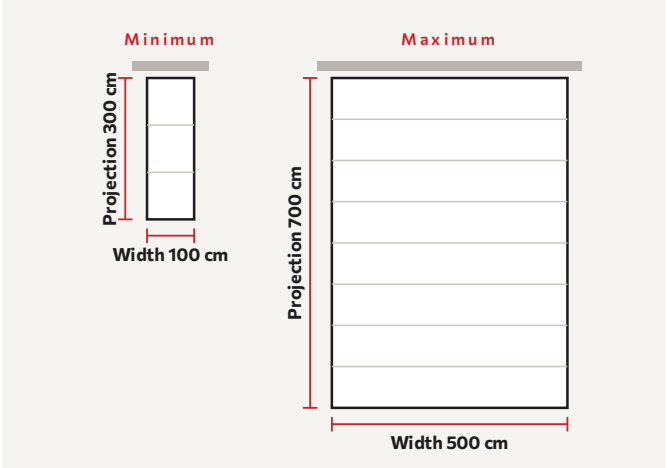
4 Gutter 150 × 175

5 Gutter cover 150 × 35.5

6 Post 150 × 150 (or 150 × 100)

Dimensions in mm

Dimensions



Posts

Freestanding

At least 4 posts **150 × 150 mm**, with hidden internal reinforcement and concealed screws.

Wall-supported

When supported by a wall on at least one side, **150 × 100 mm** posts are sufficient.

The 15 × 15 cm posts accept **Zip Screens** and **glass systems** around the perimeter, with no changes to the structure.

Applications



Freestanding, at a private residence



With perimeter Zip Screens



Enclosed with glass guillotine windows



Hospitality, large areas

5 YEARS

5-year warranty

On all our products. An annual service is recommended for proper operation.

Delivery to Switzerland, Belgium and the Netherlands. Installation is a separate service, by arrangement.

TCO Shading · Shading Systems
Akrita 106, Kalamata, Greece
Tel. +30 27210 83058 – 84432
info@tsoukalasco.com · www.tcoshading.com