TCO SHADING



BIOCLIMATIC PERGOLA

TCO ZEPHYROS

Rotating aluminium louvres 0° – 120°

Wind Class 6 | **up to 4.00 × 20.00 m** | **Motor hidden in the louvre**

General characteristics

The TCO Zephyros bioclimatic pergola is installed at **zero inclination** and its **aluminium louvres rotate from 0° to 120°**, for full control of sunlight with a constant flow of fresh air. The louvres follow the sun so the space always stays shaded, and close when it rains. Its unique advantage: **projection up to 20 m in a single pergola**, with perimeter gutters and posts every 5 m.



Open louvres: light and fresh air, at the touch of a button.

Louvres 0° – 120°
Adjust light and ventilation at the touch of a button.

Rain-tight
Perimeter gutters, draining through the posts.

Wind Class 6
Certified wind resistance.

Hidden motor
Tubular motor inside the louvre, protected from the weather.

Insulated louvres
Thermal and acoustic insulation.

LED lighting
Perimeter LED strip, dimmable, also RGB.

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

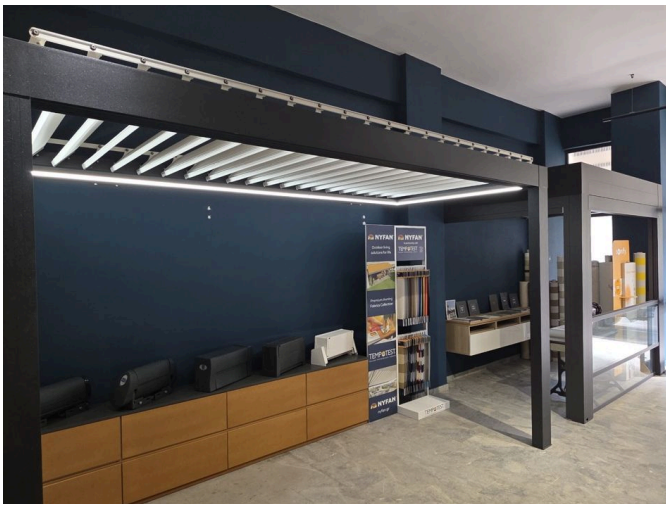
Electrical operation

Movement does not rely on an exposed linear actuator but on a **tubular motor hidden inside the louvre**. This gives faster (3 rpm) and more precise movement, and full protection of the motor from the weather.

Lighting

LED strip on the underside of the system, around the perimeter, always dimmable.

- Warm 3000K · Daylight 4000K · Cool 6000K
- Always dimmable
- RGB available

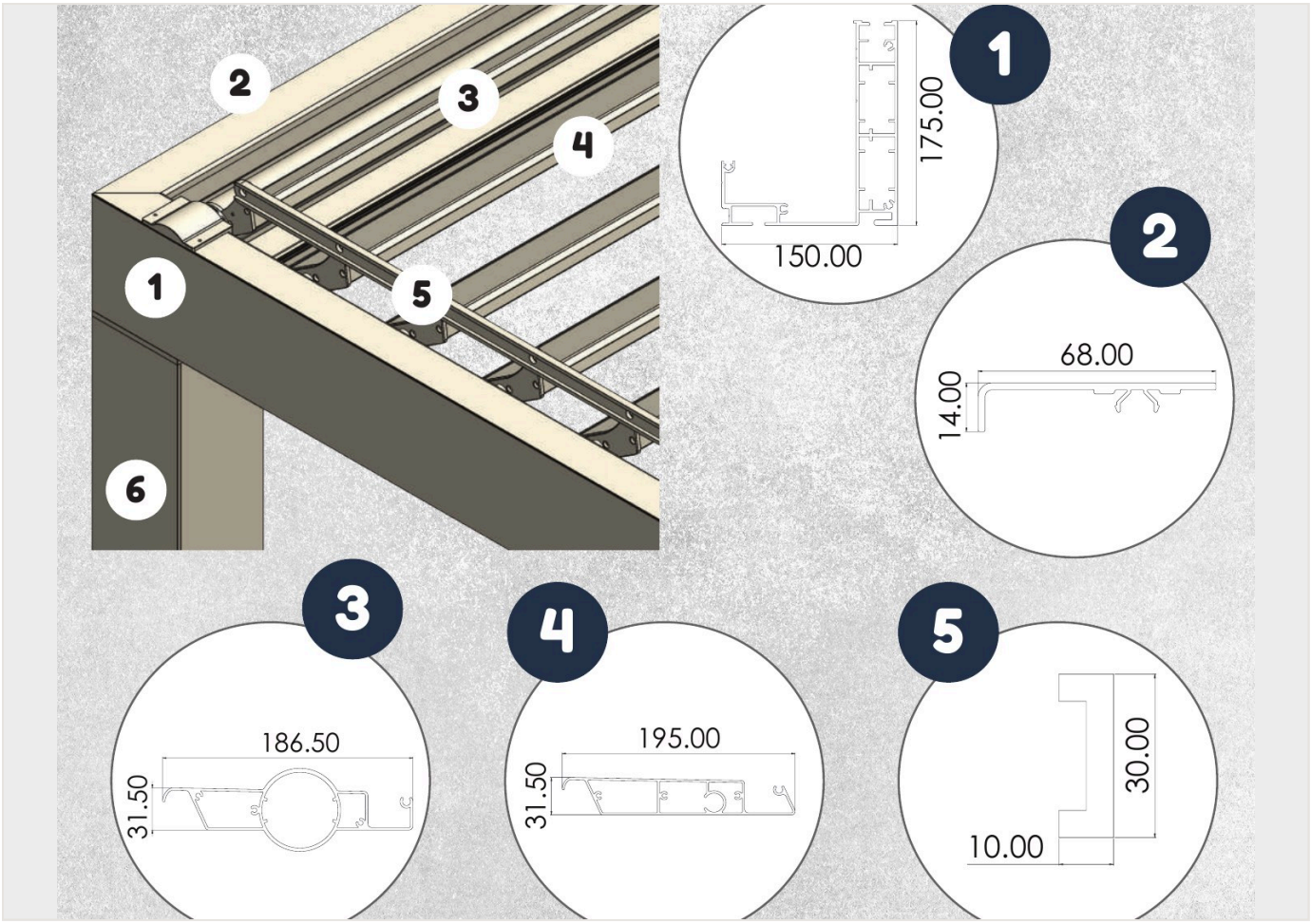


Open louvres and perimeter LED strip.

Technical specifications

Type	Bioclimatic pergola, zero inclination
Louvres	Aluminium, rotation 0° – 120°, thermally and acoustically insulated
Width	**1.00 – 4.00 m**
Projection	**0.98 – 20.00 m**
Posts	Every 5 m max · 150 × 150 freestanding · 100 × 150 mm wall-supported
Drainage	150 × 175 mm perimeter gutter, draining through the posts
Water tightness	Up to 6 mm/h rainfall, with at least 4 drainage points
Wind resistance	Wind Class 6
Material / finish	Aluminium · powder coated, any RAL · Marine optional
Motor	Tubular motor hidden inside the louvre, 3 rpm
Lighting	LED strip 3000K / 4000K / 6000K, dimmable · RGB
Service	Annual
Certifications	ISO 9001 · ISO 14001 · ISO 45001

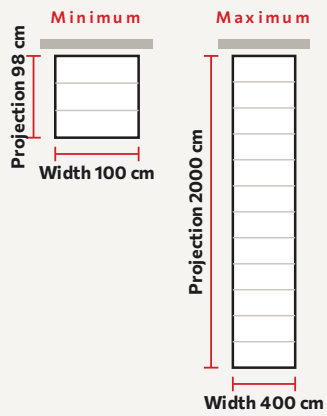
Technical drawings



1 Gutter 150 × 175
2 Gutter cover 68 × 14
3 Motorised louvre 186.5 × 31.5
4 Louvre 195 × 31.5
5 Drive bar 30 × 10
6 Post 150 × 150 (or 100 × 150)

Dimensions in mm

Dimensions



Posts

A post every 5 m

The system needs a post at a maximum spacing of 5 metres.

Freestanding

Posts **150 × 150 mm**, with 4, 6 or more posts.

Wall-supported

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

The perimeter can be closed with **Zip Screens** or **glass systems**, for year-round use.

Applications



Residence with infinity pool and view



Residential terrace with a view



Roof terrace, louvres closed

5 YEARS

5-year warranty

On all our products. An annual service is required 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