

FOLDING PERGOLA AWNING

# TCO STOA 100

Folding pergola awning with PVC blockout fabric

**Wind Class 5** | **up to 13.00 × 5.00 m** | **Somfy iO wireless motor**

# General characteristics



TCO Stoa 100 is the slimmest model of the STOA line, with a discreet **50 × 100 mm** guide and beams just 3 cm wide. The **folding fabric** retracts electrically to the back, opening more than 80% of the roof. With a 10–15% slope, rainwater runs into the front gutter. It covers up to **13.00 × 5.00 m**.



The slim 3 cm beams and the tensioned fabric.

**Sun & rain protection**
PVC blockout fabric, 100% waterproof, by Sattler, Sioen, Dickson, Serge Ferrari.

**Wind Class 5**
Certified wind resistance.

**Opens >80% of the roof**
The slim 3 cm beams gather at the back.

**Aluminium, 90% hidden screws**
Single guides without joints, any RAL colour.

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

**LED lighting**
Spots on the beams, on/off or dimmable.

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

## Lighting

Two lighting options with **LED spots on the intermediate beams**.

- STA spots, on/off
- LUX spots, dimmable, also in RGB
- Warm 3000K · Daylight 4000K · Cool 6000K



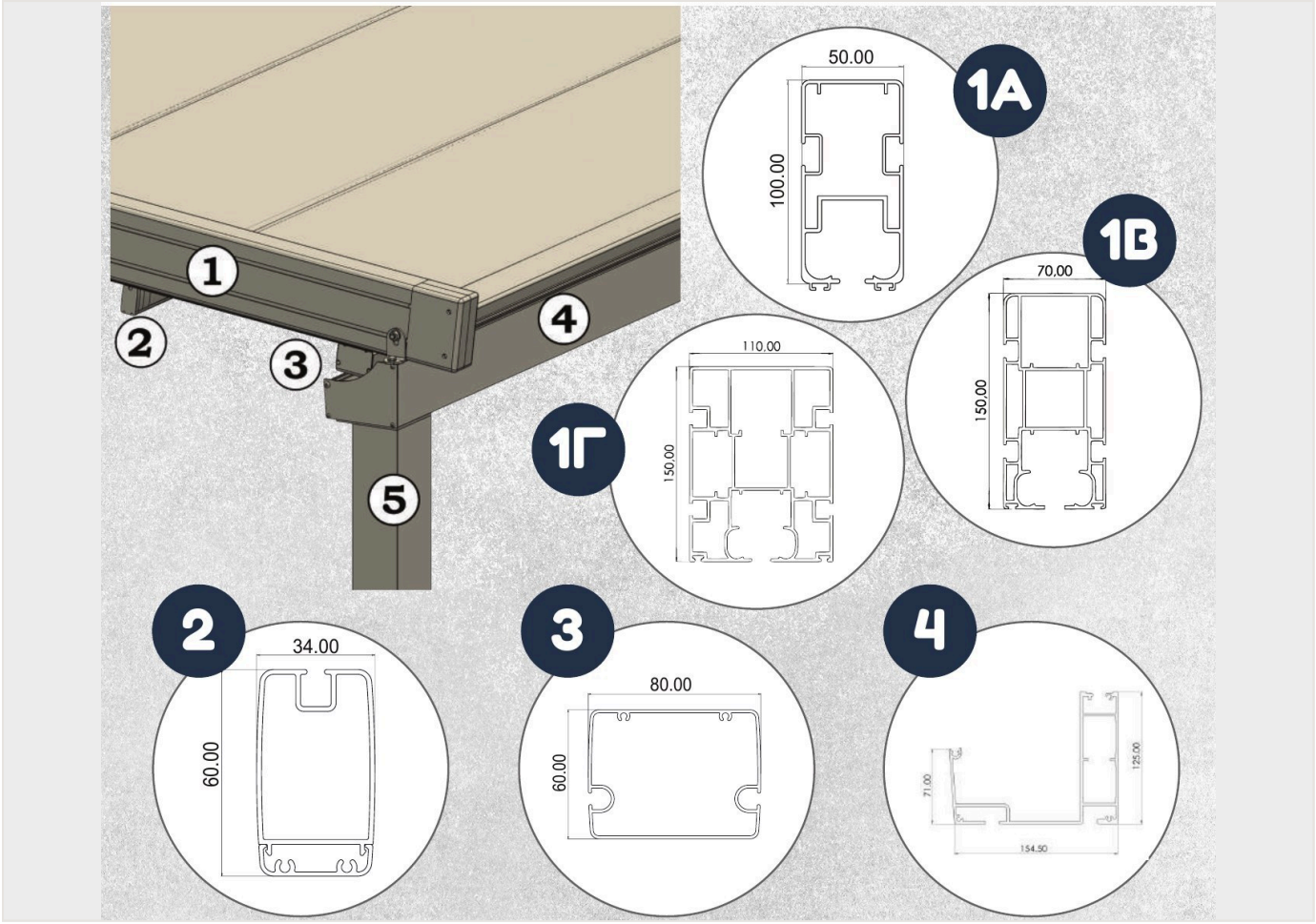
Shade and rain protection over the pool.

## Technical specifications

| | |
|---|---|
| Type | Folding pergola awning |
| Cover | PVC blockout fabric (Sattler, Sioen, Dickson, Serge Ferrari) |
| Width | **1.00 – 13.00 m** |
| Projection | **1.50 – 5.00 m** |
| Guide | 50 × 100 mm · single piece, no joints |
| Beams | 3 cm wide · intermediate 34 × 60 · front 80 × 60 mm |
| Slope | 10 – 15 % |
| Drainage | 12.5 cm front parapet-gutter, draining through the posts |
| Wind resistance | Wind Class 5 |
| Material / finish | Aluminium · powder coated, any RAL · Marine optional |
| Motor | Somfy iO wireless tubular motor, thermal stop |
| Lighting | STA spots on/off or LUX dimmable · 3000K / 4000K / 6000K |
| Posts | 130 × 100 standard · 150 × 100 · 150 × 150 mm recommended |
| Service | Every 2 years |
| Certifications | ISO 9001 · ISO 14001 · ISO 45001 |

# Technical drawings






**1A** **Stoa 100 guide · 50 × 100**

**1B** Stoa 150 guide · 70 × 150

**1C** Stoa Mega guide · 110 × 150

**2** Intermediate beam 34 × 60

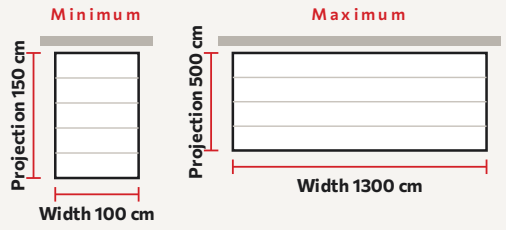
**3** Front beam 80 × 60

**4** Parapet-gutter 154.5 × 125

**5** Post 130 × 100 · 150 × 100 · 150 × 150

Dimensions in mm

## Dimensions




## Posts

**Standard**

Post **130 × 100 mm**.

**Large**

Post **150 × 100 mm**.

**Recommended**

Post **150 × 150 mm**: easier installation, clean corners free of obstacles and all screws concealed.

Combines with **Zip Screens** and **glass systems** around the perimeter, for year-round use.

# Applications





With perimeter Zip Screens



Roof terrace with glass railing



The guides before the fabric, with sea view



Private residence

5 YEARS

## 5-year warranty

On all our products. A service every 2 years 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

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