

TECHNICAL DATASHEET

# Luxa Sereno 700

Bioclimatic Pergola

Motorised bioclimatic louvre roof. Engineered in Germany. Built to last 25 years.



KEY FEATURES

**BIOCLIMATIC LOUVRES**

Motorised, rotate up to 115° for sun, shade & ventilation

**RAINPROOF**

Closed-position waterproof + concealed gutter drainage

**POWDER-COATED ALUMINIUM**

TIGER Coatings, RAL 7016 default · any RAL on request

**SMART HOME**

Somfy iO/RTS · TaHoma · Alexa · Google · KNX

**STRUCTURAL**

EN 1991-1-3 snow load 150 kg/m<sup>2</sup> · EN 1991-1-4 wind tested

01 · SYSTEM LAYOUT

## System layout

Standard 4-leg single module — A1..A4 columns, B1/B2 long carrier beams, C1/C2 short beams. Six standard sizes; coupling supported.

FIG. 01 · STANDARD MODULE



02 · STANDARD MODULE SIZES

## Standard module sizes

SIZE (W × P)	AREA	CONFIGURATION
3 × 3 m	9 m <sup>2</sup>	Single — 4 columns
3 × 4 m	12 m <sup>2</sup>	Single — 4 columns
3 × 5 m	15 m <sup>2</sup>	Single — 4 columns

03 · TECHNICAL SPECIFICATIONS

## Technical specifications

Material	EN AW-6063-T5 aluminium · 98% recyclable
Surface finish	TIGER Coatings powder coat · any RAL colour
Default colour	RAL 7016 anthracite grey
Louvre rotation	Up to 115°
Maximum single-span	4.0 m
Snow load	150 kg/m <sup>2</sup> (EN 1991-1-3)
Wind load	Tested per EN 1991-1-4
Drainage	Concealed in carrier beams + columns
Motor	Somfy i0 50 Nm or RTS
Smart home	Somfy TaHoma · Alexa · Google · KNX
IP rating (motor + electronics)	IP44
Service life	≥ 25 years (frame and finish)

04 · STANDARDS & CERTIFICATIONS

### Standards & certifications

- EN 1991-1-1 · Densities, self-weight, imposed loads
- EN 1991-1-4 · Wind actions
- EN 12020-2 · Aluminium extrusion tolerances
- EN AW-6063-T5 · Aluminium alloy / temper
- EN 1991-1-3 · Snow loads
- EN 1090-3 · Execution of aluminium structures
- EN 13501-1 · Fire classification (EPDM seals)
- ISO 9001 · Manufacturer quality management

05 · WARRANTY SUMMARY

### Warranty summary

10 years on aluminium frame · 5 years on TIGER powder coat · 5 years on motorised drive. Conditions: install within 12 months of delivery, follow installation manual, observe rated wind/snow loads.

06 · ORDER & SUPPORT

### Order & support

PNARC Group · Sales: info@luxashade.com · Specifiers / architects: support@ponarc.com · Available across DE / AT / CH / NL / BE / FR / IT / RO / RU / SE / DK.

