

IASO®

Better Outside

TECHNICAL DATA SHEET

ENGLISH

PARASOLS

SPECIAL COLLECTION

AZORES
AZORES D



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DESCRIPTION

Large-scale parasol designed to cover extensive areas of up to 36 m².

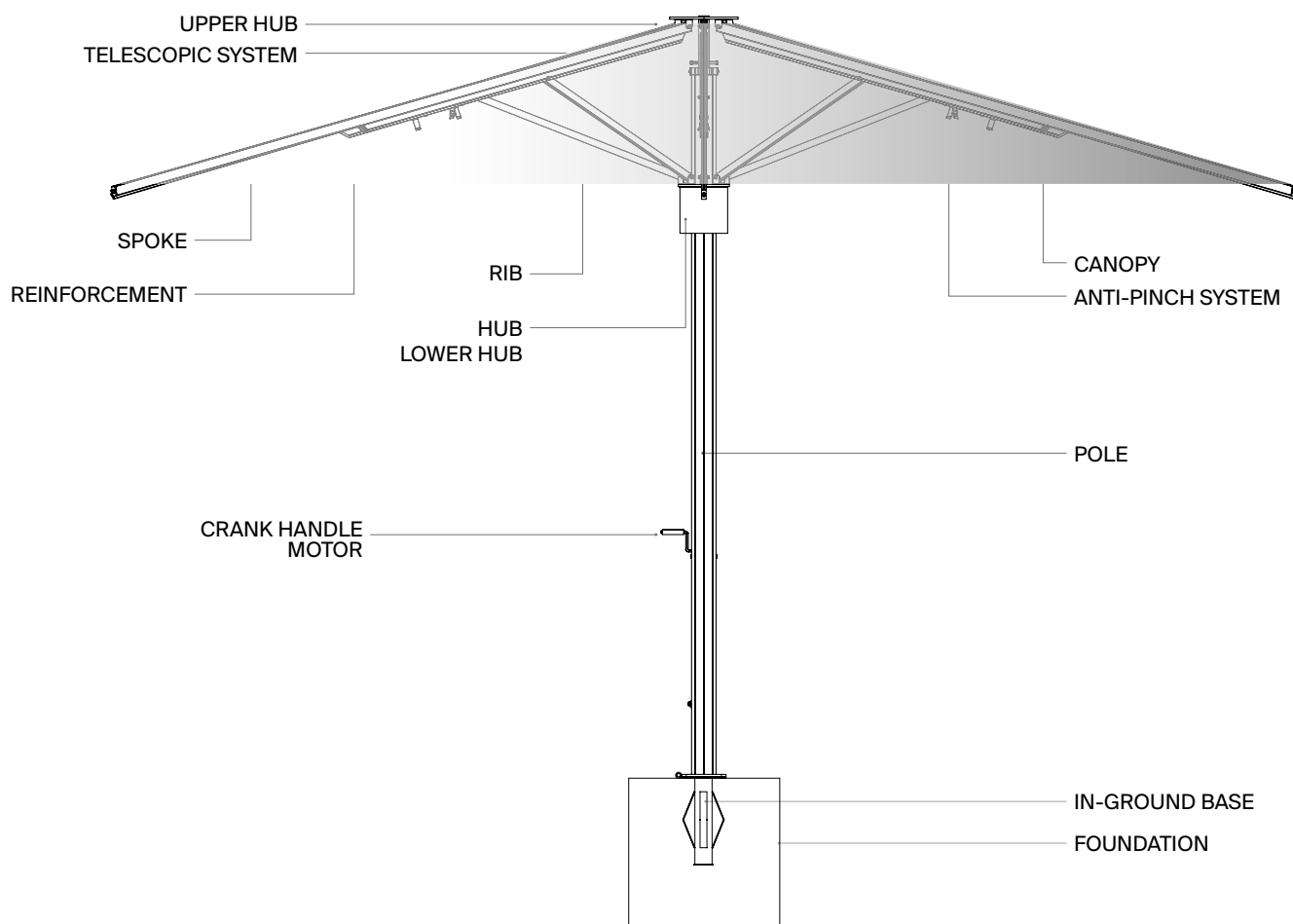
The frame is composed of ribs and spokes connected to a square pole through two joint pieces. Inside, a telescopic profile raises the parasol as it closes.

Opening system: crank drive.

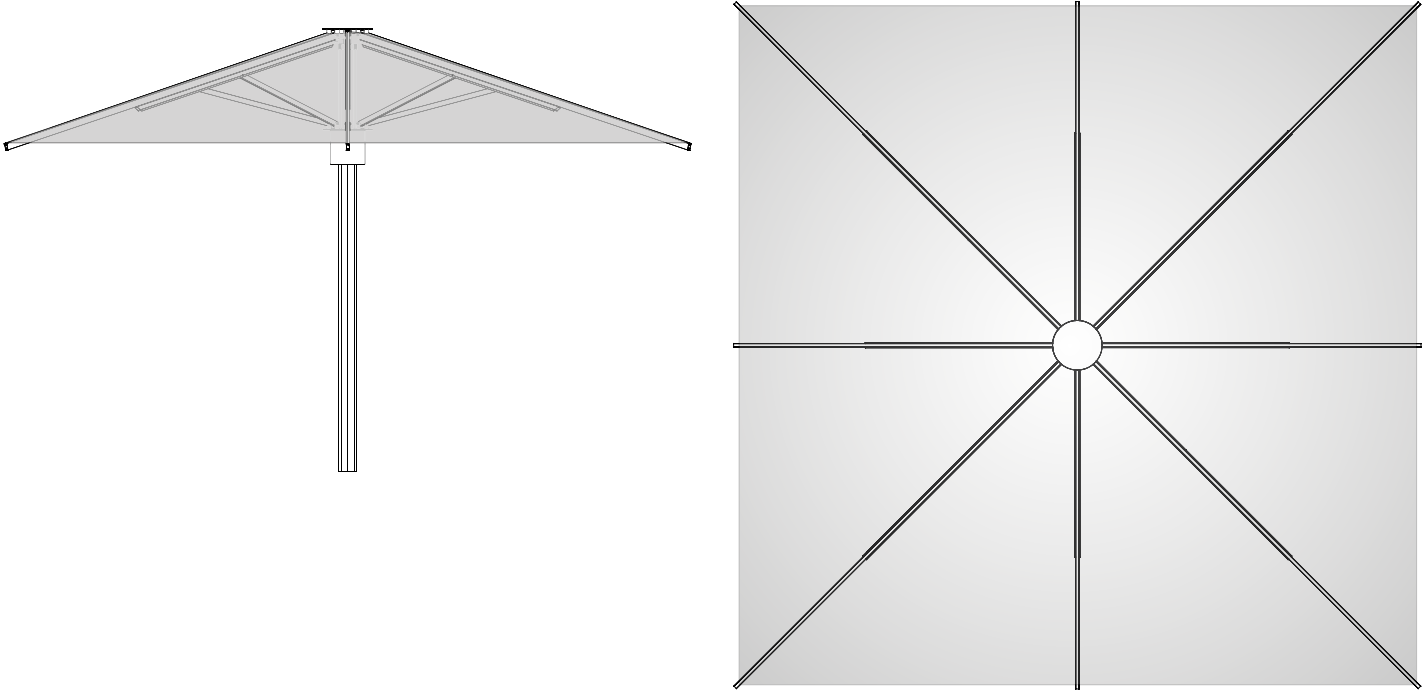
The fabric canopy, made from a single piece, is fixed to the top of the frame and the ends of the ribs.

- Structure: Aluminium 6063-T5 / 6060-T5 profiles
- Screws and fittings: Stainless steel AISI 304 (A4 grade)
- Textile canopy membrane:
 - Sauleda Acrylic – Force
 - Sauleda Acrylic – Top-FR
 - Sauleda PVC – Vip-FR
 - Sauleda PVC – Port M1-FR

MAIN COMPONENTS

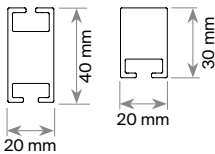


VIEWS

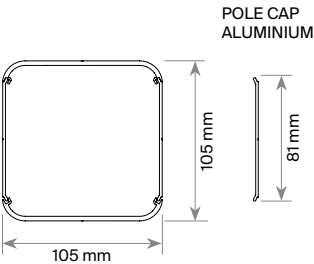


MAIN PROFILES

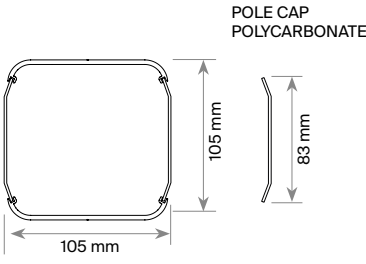
RIBS AND SPOKES



POLE WITHOUT LIGHTING



POLE WITH LIGHTING

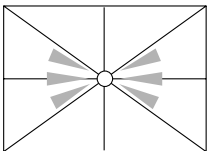


LIGHTING ORIENTATION

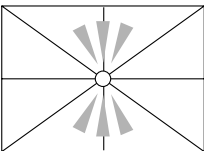
FOR RECTANGULAR PARASOL

AZORES

STANDARD

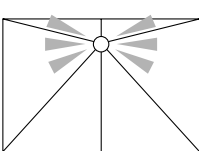


CUSTOMISED



AZORES D

STANDARD



CUSTOMISED

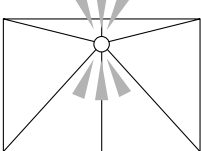
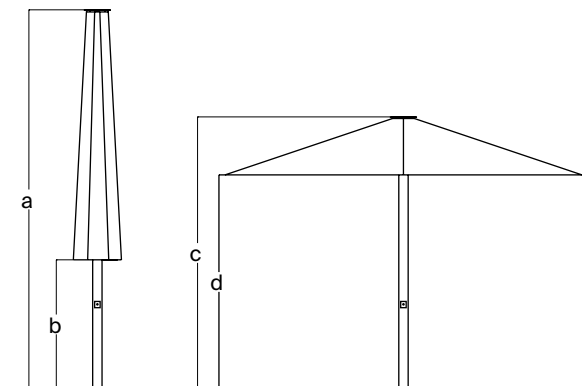
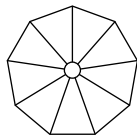
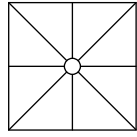


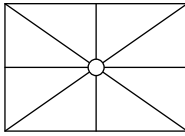
TABLE OF MEASUREMENTS

AZORES



Model	Measures (m)	Nº Ribs	a	b	c*	d*
	3,50	8 - 20 x 40	4,18	2,41	2,98	2,40
	4,00	8 - 20 x 40	4,26	2,23	3,06	2,40
	4,50	8 - 20 x 40	4,35	2,06	3,15	2,40
	5,00	8 - 20 x 40	4,40	1,85	3,23	2,40
	5,50	8 - 20 x 40	4,50	1,68	3,30	2,40
	6,00	12 - 20 x 40	4,57	1,50	3,38	2,40

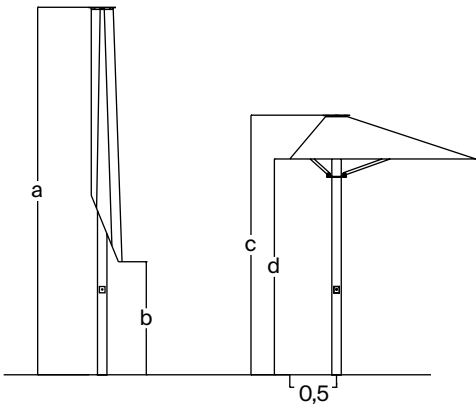
Modelo	Measures (m)	Nº Ribs	a	b	c*	d*
	2,5x2,5	8 - 20 x 40	4,00	2,28	2,80	2,40
	3,0x3,0	8 - 20 x 40	4,13	2,02	2,93	2,40
	3,5x3,5	8 - 20 x 40	4,19	1,71	2,96	2,40
	4,0x4,0	8 - 20 x 40	4,28	1,45	3,08	2,40
	4,5x4,5	8 - 20 x 40	4,34	1,16	3,15	2,40
	5,0x5,0	8 - 20 x 40	4,41	0,86	3,14	2,40
	5,5x5,5	8 - 20 x 40	4,49	0,60	3,30	2,40
	6,0x6,0	12 - 20 x 40	4,81	0,54	3,41	2,40

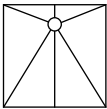
Model	Measures (m)	Nº Ribs	a	b	c*	d*
	3,0x2,0	8 - 20 x 40	4,09	2,29	2,89	2,40
	3,0x2,5	8 - 20 x 40	4,00	2,08	3,30	2,40
	3,5x2,0	8 - 20 x 40	3,91	1,90	2,99	2,40
	3,5x2,5	8 - 20 x 40	4,00	1,90	2,81	2,40
	3,5x3,0	8 - 20 x 40	4,18	1,88	2,98	2,40
	4,0x2,0	8 - 20 x 40	4,29	2,04	3,09	2,40
	4,0x2,5	8 - 20 x 40	4,28	1,92	3,08	2,40
	4,0x3,0	8 - 20 x 40	4,41	1,86	3,21	2,40
	4,0x3,5	8 - 20 x 40	4,26	1,61	3,56	2,40
	4,5x2,5	8 - 20 x 40	4,17	1,63	2,97	2,40
	4,5x3,0	8 - 20 x 40	4,09	1,41	2,90	2,40
	4,5x3,5	8 - 20 x 40	4,16	1,33	2,96	2,40
	4,5x4,0	8 - 20 x 40	4,34	1,32	3,14	2,40
	5,0x2,5	8 - 20 x 40	4,41	1,57	3,17	2,40
	5,0x3,0	8 - 20 x 40	4,43	1,49	3,24	2,40
	5,0x3,5	8 - 20 x 40	4,44	1,36	3,24	2,40
	5,0x4,0	8 - 20 x 40	4,43	1,22	3,24	2,40
	5,0x4,5	8 - 20 x 40	4,43	1,05	3,23	2,40
	5,5x3,0	8 - 20 x 40	4,50	1,32	3,30	2,40
	5,5x3,5	8 - 20 x 40	4,50	1,20	3,30	2,40
	5,5x4,0	8 - 20 x 40	4,50	1,05	3,30	2,40
	5,5x4,5	8 - 20 x 40	4,44	0,85	3,32	2,40
	5,5x5,0	8 - 20 x 40	4,50	0,75	3,32	2,40
	6,0x3,0	10 - 20 x 40	4,61	1,22	3,40	2,40
	6,0x3,5	10 - 20 x 40	4,63	1,10	3,46	2,40
	6,0x4,0	10 - 20 x 40	4,66	0,98	3,46	2,40
	6,0x4,5	10 - 20 x 40	4,66	0,83	3,46	2,40
	6,0x5,0	12 - 20 x 40	4,58	0,70	3,18	2,40
	6,0x5,5	12 - 20 x 40	4,77	0,67	3,40	2,40

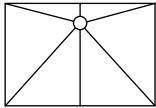
* Parasols can be manufactured with an additional 10 cm in mast length, affecting dimension (c) and the **clear passage height (d)**, which will be **2.50 m**.

TABLE OF MEASUREMENTS

AZORES D



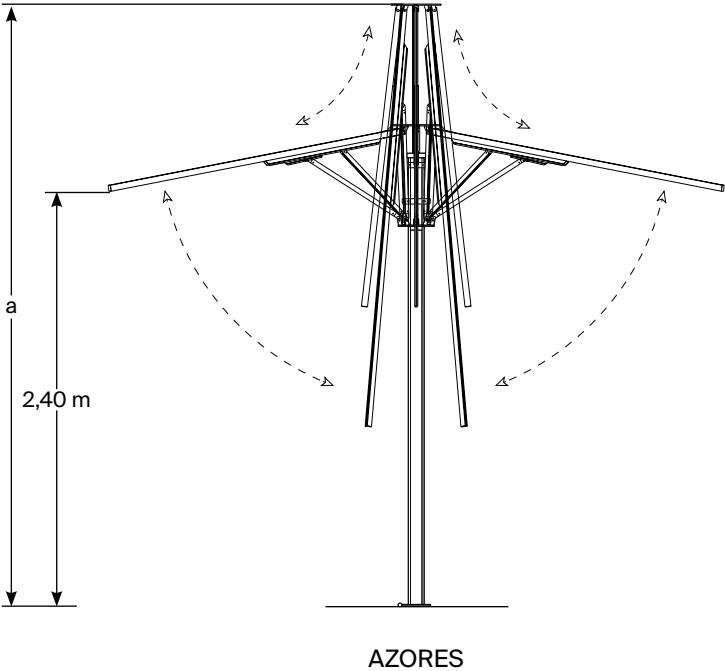
Model	Measures (m)	Nº Ribs	a	b	c*	d*
	2,0x2,0	6 - 20 x 40	4,09	2,30	2,90	2,40
	2,5x2,5	6 - 20 x 40	4,25	1,88	3,05	2,40
	3,0x3,0	6 - 20 x 40	4,25	1,31	3,23	2,40
	3,5x3,5	6 - 20 x 40	4,59	1,07	3,40	2,40

Model	Measures (m)	Nº Ribs	a	b	c*	d*
	2,0x2,5	6 - 20 x 40	4,25	2,22	3,05	2,40
	2,5x2,0	6 - 20 x 40	3,99	2,06	2,80	2,40
	3,0x1,5	6 - 20 x 40	4,09	2,25	2,77	2,40
	3,0x2,0	6 - 20 x 40	4,09	1,98	2,89	2,40
	3,0x2,5	6 - 20 x 40	4,25	1,75	3,05	2,40
	3,5x2,0	6 - 20 x 40	4,09	1,80	2,89	2,40
	3,5x2,5	6 - 20 x 40	4,26	1,62	3,09	2,40
	3,5x3,0	6 - 20 x 40	4,41	1,35	3,21	2,40
	4,0x2,0	6 - 20 x 40	4,08	1,61	2,88	2,40
	4,0x2,5	6 - 20 x 40	4,27	1,44	3,08	2,40
	4,0x3,0	6 - 20 x 40	4,41	1,18	3,21	2,40
	4,0x3,5	6 - 20 x 40	4,58	0,92	3,37	2,40
	4,5x2,0	6 - 20 x 40	4,16	1,49	2,90	2,40
	4,5x2,5	6 - 20 x 40	4,27	1,27	3,06	2,40
	4,5x3,0	6 - 20 x 40	4,41	1,03	3,21	2,40
	4,5x3,5	6 - 20 x 40	4,59	0,80	3,38	2,40
	5,0x2,0	6 - 20 x 40	4,13	1,25	2,91	2,40
	5,0x2,5	6 - 20 x 40	4,26	1,08	3,06	2,40

* Parasols can be manufactured with an additional 10 cm in mast length, affecting dimension (c) and the **clear passage height** (d), which will be **2.50 m**.

JUSTIFICATION OF DIMENSIONS

Los modelos AZORES y AZORES D tienen un sistema de apertura telescópica, con una altura de paso de 2,4 metros, tal y cómo se muestra en la siguiente figura. Estos parámetros implican que, al cierre del parasol, la estructura se prolongue en altura. (a)



CHARGES

The wind load is classified according to UNE EN 13561, as indicated in the table. Consequently, the maximum wind speed that Azores and Azores D umbrella models can withstand is 50-61 km/h, equivalent to force 7 on the Beaufort scale, up to an umbrella size of 5x5 m.

The calculation has been carried out considering an anchorage rigidly fixed to the ground (see p. 07 Foundation Tables).

The calculation has been carried out based on the following standards:

- UNE EN 1999-1-1 Eurocode 9: Design of aluminium structures
- UNE EN 13561 External blinds and awnings. Performance requirements including safety.



Not suitable for snow loads. In case of snowfall, the umbrella must be closed.

170 N/m²

4

UNE EN 13561

CLASS*	Grade Beaufort	Wind speed		Pressure	Environmental condition
0	0	0 - 1 km/h	0.0 - 0.3 m/s	0.05 N/m ²	Calm
	1	1 - 5 km/h	0.3 - 1.4 m/s	1.21 N/m ²	Very light breeze
	2	6 - 11 km/h	1.7 - 3.1 m/s	5.84 N/m ²	Light breeze
	3	12 - 19 km/h	3.4 - 5.3 m/s	17.41 N/m ²	Gentle breeze
1	4	20 - 28 km/h	5.6 - 7.8 m/s	37.81 N/m ²	Moderate wind
2	5	29 - 38 km/h	8.1 - 10.6 m/s	69.64 N/m ²	Fresh wind
3	6	39 - 49 km/h	10.9 - 13.6 m/s	115.79 N/m ²	Strong wind
4	7	50 - 61 km/h	13.9 - 17.0 m/s	179.45 N/m ²	Near gale
5	8	62 - 74 km/h	17.5 - 20.6 m/s	264.08 N/m ²	Gale
6	9	75 - 88 km/h	20.9 - 24.5 m/s	373.46 N/m ²	Strong gale
	10	89 - 102 km/h	24.7 - 28.3 m/s	501.74 N/m ²	Storm
	11	103 - 117 km/h	28.6 - 32.5 m/s	660.16 N/m ²	Violent storm
	12	118 - 133 km/h	32.6 - 36.9 m/s	853.06 N/m ²	Hurricane

*The correspondence of the class according to UNE EN 13561 with the wind speed or Beaufort scale is indicative.

FOUNDATION TABLES

This anchoring system must be embedded in the ground and capable of withstanding maximum loads. The dimensions of the supporting elements are determined to ensure the parasol's stability and to prevent lifting caused by wind suction, with a maximum resistance of 50–61 km/h, equivalent to level 7 on the Beaufort scale.

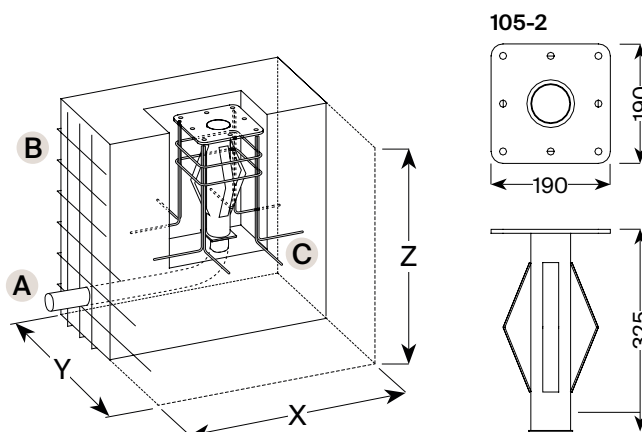
A CORRUGATED TUBE máx. Ø40

B WELDED MESH ENCLOSURE

C RIBBED ROD

- Concrete HA - 25
- Ribbed rod Ø8 mm
- Electrowelded mesh 150 x 150 con varilla de Ø6 mm

In the case of anchoring with a concrete element, it should have minimum specified dimensions.



FOUNDATIONS (X, Y, Z)



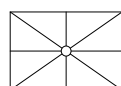
0,70 x 0,70
x 0,50 m 0,70 x 0,70
x 0,80 m 0,90 x 0,90
x 0,85 m

Ø 3,50	•		
Ø 4,00	•		
Ø 4,50		•	
Ø 5,00			•
Ø 5,50			•
Ø 6,00			•



0,70 x 0,70
x 0,50 m 0,70 x 0,70
x 0,80 m 0,90 x 0,90
x 0,85 m

2,50 x 2,50	•		
3,00 x 3,00		•	
3,50 x 3,50		•	
4,00 x 4,00			•
4,50 x 4,50			•
5,00 x 5,00			•
5,50 x 5,50			•
6,00 x 6,00			•



0,70 x 0,70
x 0,50 m 0,70 x 0,70
x 0,80 m 0,90 x 0,90
x 0,85 m

3,00 x 2,00	•		
3,00 x 2,50		•	
3,50 x 2,00		•	
3,50 x 2,50	•		
3,50 x 3,00		•	
4,00 x 2,00		•	
4,00 x 2,50			•
4,00 x 3,00			•
4,00 x 3,50			•
4,50 x 2,50			•
4,50 x 3,00			•
4,50 x 3,50			•
4,50 x 4,00			•
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6,00 x 5,00			•
6,00 x 5,50			•

OPTIONS AND ACCESSORIES

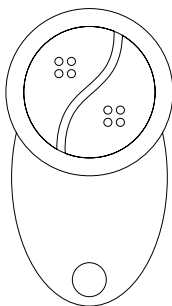
- Motorisation kit
- Rib lighting kit
- Pole lighting kit
- 12V portable battery for lighting
- Heating kit
- Pre-installed audio wiring
- Valance
- Lighting valance
- Side curtains
- Joint rain gutter between parasols
- Telescopic cover with pole

EMITTERS

CONTROL OF THE OPTIONS AND ACCESSORIES OPTIONAL

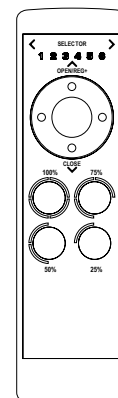
TRANSMITTER TXP

Power supply	3V ± 10%
Lithium battery	CR2430
Battery lifespan	>2 years
Protection rating	IP20
Measures	86x86x9.5 mm
Operating temperature	-5°C~50 °C
Radio frequency	868 MHz
Operating range	100 m



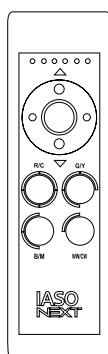
NOON TRANSMITTER

Power supply	3V ± 10%
Lithium battery	CR2430
Battery lifespan	>2 years
Protection rating	IP20
Measures	125 x 40 x 10 mm
Operating temperature	-5° ~ 50 °C
Transmission power	10mW
Radio frequency	433,925 MHz
Operating range	35 m



IASO NEXT HOME AUTOMATION

Power supply	-10° / +55°C
Reception frequency	868,3 MHz
Standby consumption	< 1W
Typical consumption	< 2,5W
Radio memory capacity (transmitters)	20
WiFi frequency	2,4 GHz (b, g, n)



LIGHTING

CHARACTERISTICS

RIB AND POLE LIGHTING OPTIONAL

RIBS	
Colour	Warm white
Colour temperature	2700°K
Power	36W
Protection rating	IP 65
Consumption	14,4W/m
Voltage	12V
Adjustable	Yes

POLE	
Colour	Warm white
Colour temperature	2700°K
Power	80W
Protection rating	IP 65
Consumption	8W/m
Voltage	24V

BATTERY

CHARACTERISTICS

RIB AND POLE LIGHTING OPTIONAL

- Output voltage: 12.6 V
 - Equivalent capacity: 360 Wh
 - Lithium-ion technology (>2,000 charge cycles)
 - Safety charger for 220 V recharging included
 - Approximate autonomy: 8 hours with all 4 lighting strips on
 - Approximate charging time: 8 hours
- New Unified Locking and Connection System (ULCS)
 - Built-in mechanical lock
 - High-quality plastic casing
 - IP53 (protection against rainwater)
 - Dimensions: 14.5 cm x 6.5 cm x 9.5 cm
 - Weight: 2 kg

ENGINE

CHARACTERISTICS

OPTIONAL

Characteristics	
Construction	Tubular, without vent
Power	100 W
Power supply	24 V

Pn [W]	V [V]	I [A]	IP	Kg
100	12	11.8	66	1.7

MAINTENANCE

The AZORES parasol is a unique product in which the construction solutions and materials used are of the highest quality, offering maximum durability. As a result, regular maintenance is minimal, allowing you to keep it in perfect working condition and with a pleasant appearance through just a few simple steps. Below are a few basic guidelines to follow.

CANOPY
Canopy maintenance consists mainly of cleaning. To keep the weather-exposed area looking like new, clean it 2 or 3 times a year to prevent dust or pollution from settling into the fabric due to sun exposure.

- **PVC:** Spray with water and neutral soap, wait a few minutes for the soap to act, and then use a sponge to remove the dirt without applying pressure. Repeat the process if necessary and rinse thoroughly with plenty of water.
- **ACRYLIC:** Dry clean only
- **POLYESTER:** Dry clean only

STRUCTURE
Clean the aluminium parts using water and neutral soap.

ATTENTION
The main function of the parasol is to reduce the incidence of sunlight; it does not provide 100% protection against rain.
The offset parasol with a valance may develop wrinkles due to the asymmetric distribution of the ribs required for the pole's displacement.



We believe in the *elegance* of engineering.