Corradi
OUTDOOR LIVING SPACE

ALBA BUTTERFLY

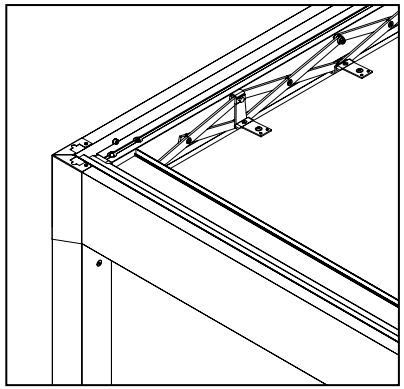
technical DATA SHEET

Rev. 0 | 2024

| EN

THE outdoor ALCHEMIST

ALBA BUTTERFLY FEATURES



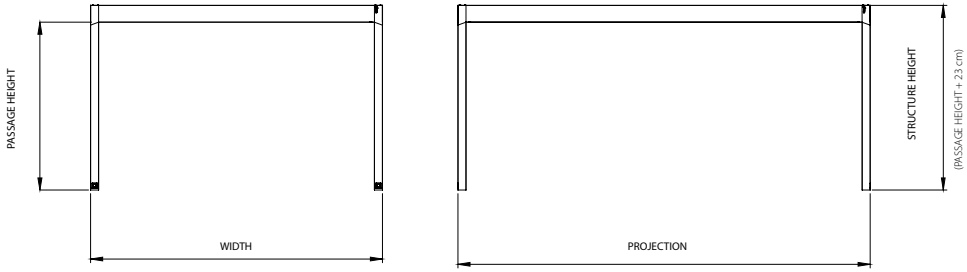
ALBA BUTTERFLY is the Alba version that uses the new flat cover system with a custom-made pantograph stacking canvas for protection against sun and rain (not suitable for snow loads). Wind resistance is ensured up to number 8 of the Beaufort scale (class 5 - UNI EN 13561:2015).

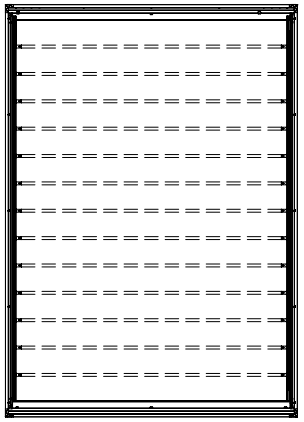
The **Eclissi fabric canvas** exclusively used by Corradi is available in the colours white, grey and ivory, with internal darkening layer and an embossed side with a weft effect. It is supported by intermediate tubes (4 x 5 cm cross-section). The standard colour of the intermediate tubes is the same as the colour chosen for the Eclissi fabric (white, grey and ivory). Optionally, the intermediate tubes can be of the same colour as the structure. For the complete list of available fabrics and structure colours, please refer to the link below:
all information on colours and fabrics

The **canvas is moved** by means of a pantograph fixed to the runners via sliders with 4 wheels. The toothed transmission belt inserted in each runner, with strands completely covered to withstand even salty environments, is driven by a pulley and by a single transmission shaft to ensure the uniform movement of the canvas.

The canvas is only available in a curved version, with continuous radius curved tubes, which give the system greater strength.
The Butterfly system is driven by a remote-controlled motor-reducer (electric drive). There is no manual version.
The rain water is drained off by means of a gutter integrated into the perimeter of the structure and downpipes built into the pillars (optional).

DIMENSIONS





Fixed projection dimensions:

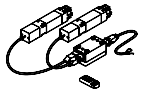
- 190 (3 tubes)
- 265 (5 tubes)
- 340 (7 tubes)
- 415 (9 tubes)
- 490 (11 tubes)
- 565 (13 tubes)
- 640 (15 tubes)
- 715 (17 tubes)

Measurements are expressed in cm

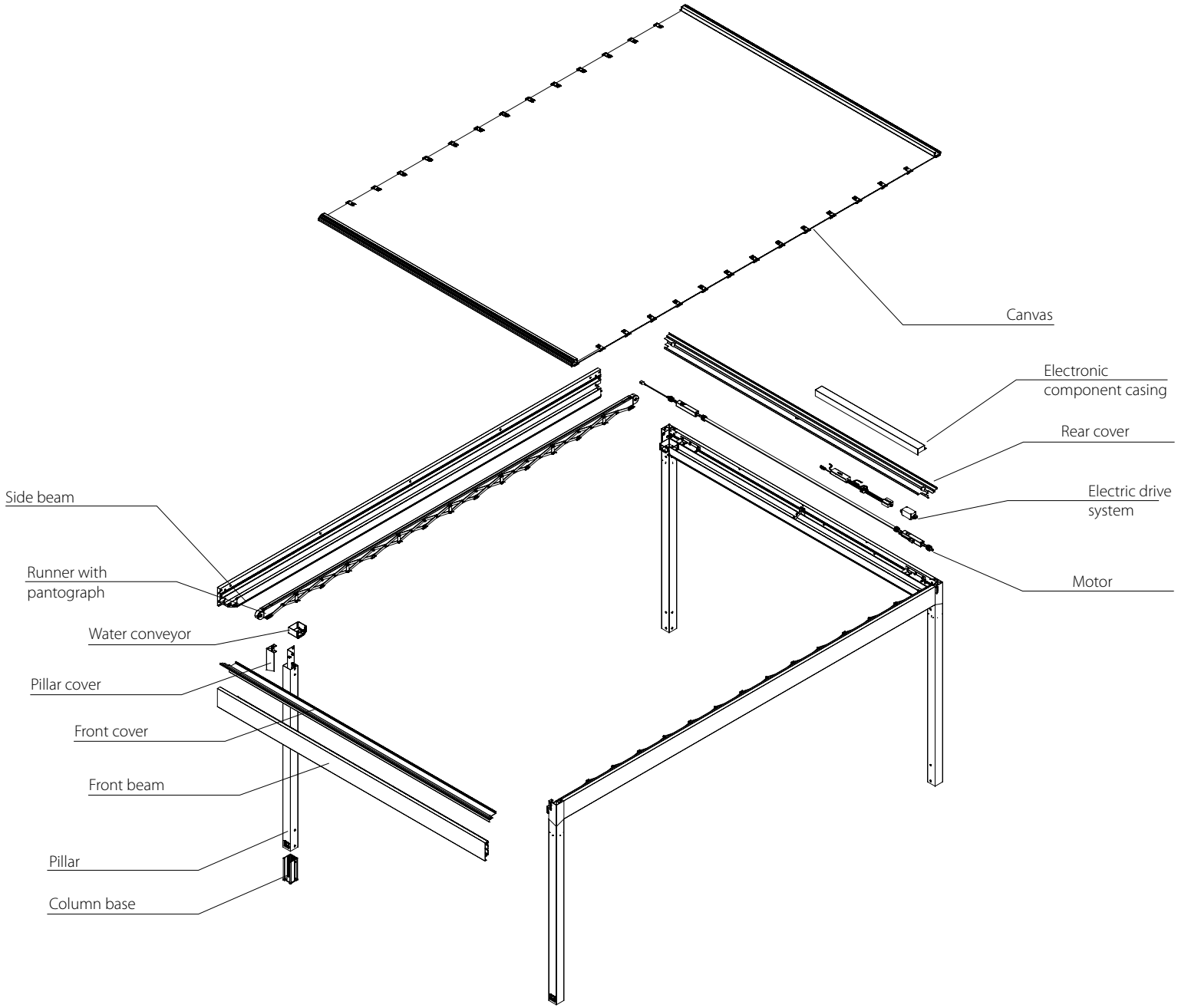
	WIDTH	PROJECTION	PASSAGE HEIGHT
MINIMUM	200	190	70 (with drainage and integrated downpipe)
MAXIMUM	550	715	320

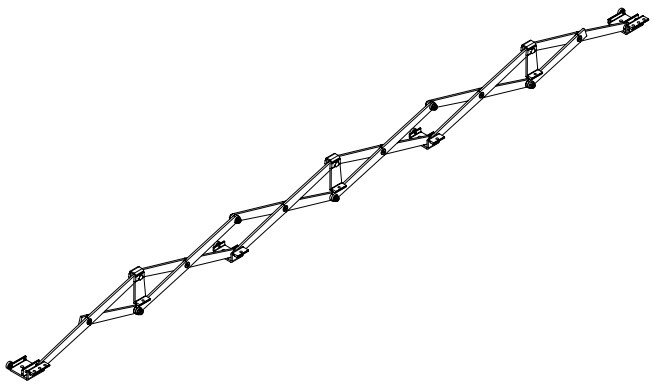
MOVEMENT SYSTEMS

ELECTRIC TYPE 2 (433.42 MHz) for widths from 200 cm to 350 cm
Single motor-reducer at 220V and 218W

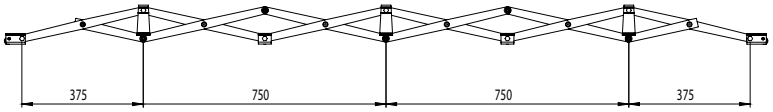


ELECTRIC TYPE 3 (433.42 MHz) for widths from 350 cm to 550 cm
Double motor-reducer at 220V and 218+218W

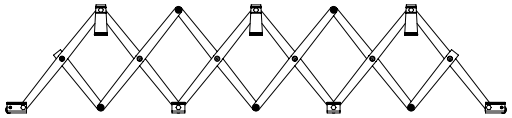

Canvas
Electronic component casing
Rear cover
Electric drive system
Motor
Side beam
Runner with pantograph
Water conveyor
Pillar cover
Front cover
Front beam
Pillar
Column base



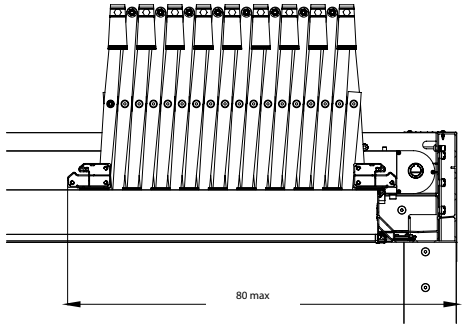
Butterfly, a new pantograph system with aluminium rods that support the canvas tubes. In this way, the fabric folds upwards leaving the entire space underneath free.



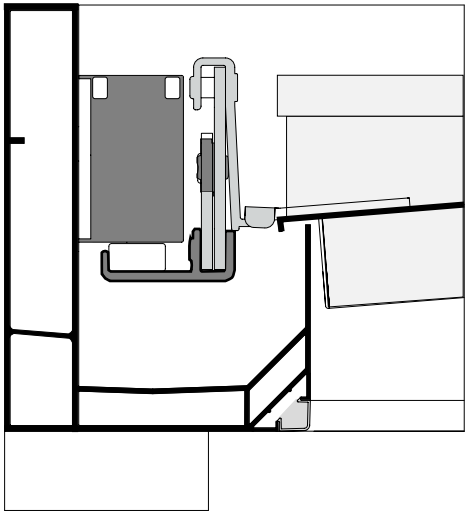
Due to the geometric nature of the pantograph, which develops in 75 cm repeating units, the projection dimension of the Alba Butterfly cannot be configured to the millimetre.



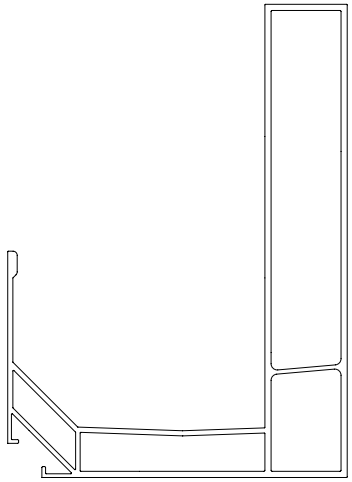
The intermediate and terminal tubes, some of which are fixed, while others are left with a slight rotational movement in order to self-compensate for the tensioning of the canvas, are fixed at the ends of each pantograph cross by means of plates. In this way, the cover will always be tensioned for a clean, linear aesthetic effect.



The pantograph technology considerably minimises the encumbrance of the canvas when fully stacked. For the maximum projection of 715 cm, the maximum encumbrance of the fully stacked canvas is only about 82 cm.



The cover canvas is positioned coplanar to the perimeter gutter on the Alba Butterfly: this prevents the return of drops inside the structure even during heavy storms.
To guide the path of the water inside the gutter, an "L"-shaped rubber cord was introduced which is fixed to the end of the canvas.

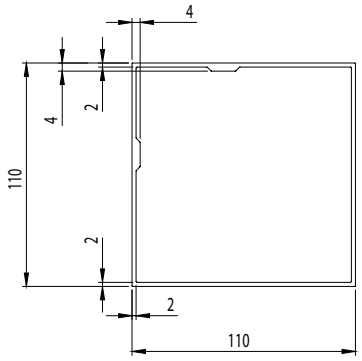


The gutter has a section with a double chamber that allows the fixing of perimeter closures and accessories in the bottom part without compromising water tightness.
The inner surface of the gutter is slightly sloping to guide the flow of water into the conveyors and pillars.

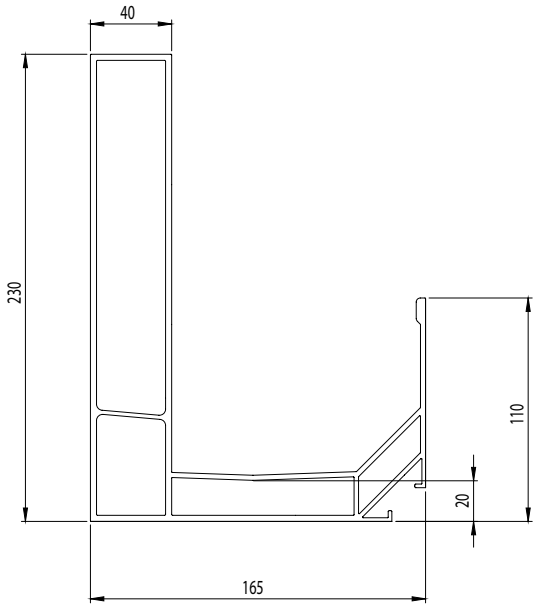
PROFILE CROSS-SECTIONS

Measurements are expressed in mm

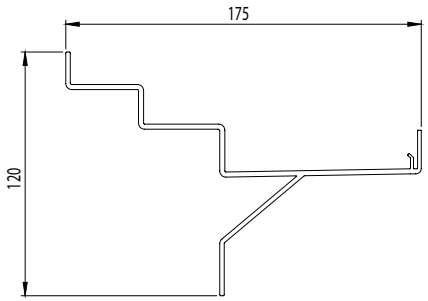
PILLAR



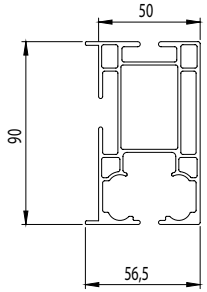
BEAM WITH GUTTER



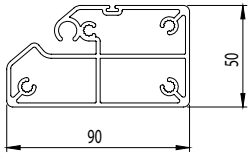
FRONT AND REAR COVER PROTECTION



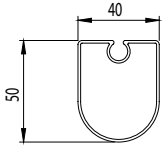
ASYMMETRICAL PANTOGRAPH RUNNER



TERMINAL TUBE

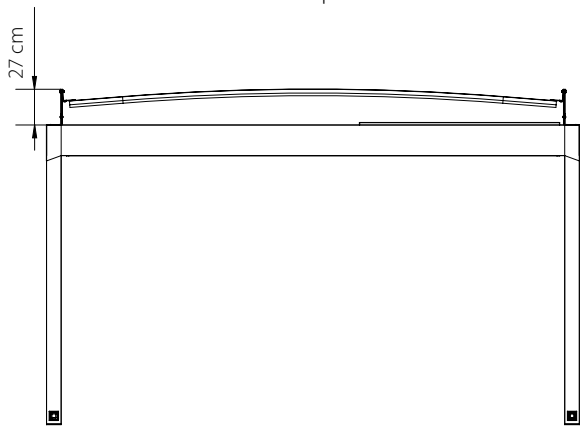


INTERMEDIATE TUBE

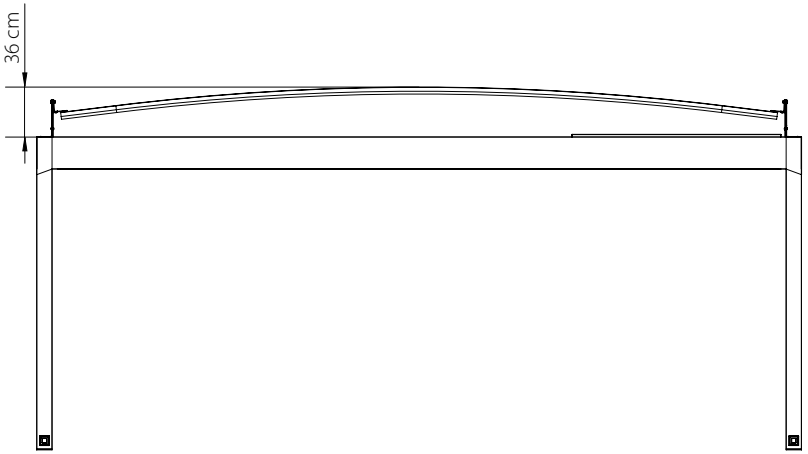


COVER STACKING PROJECTION

Measurements are expressed in cm

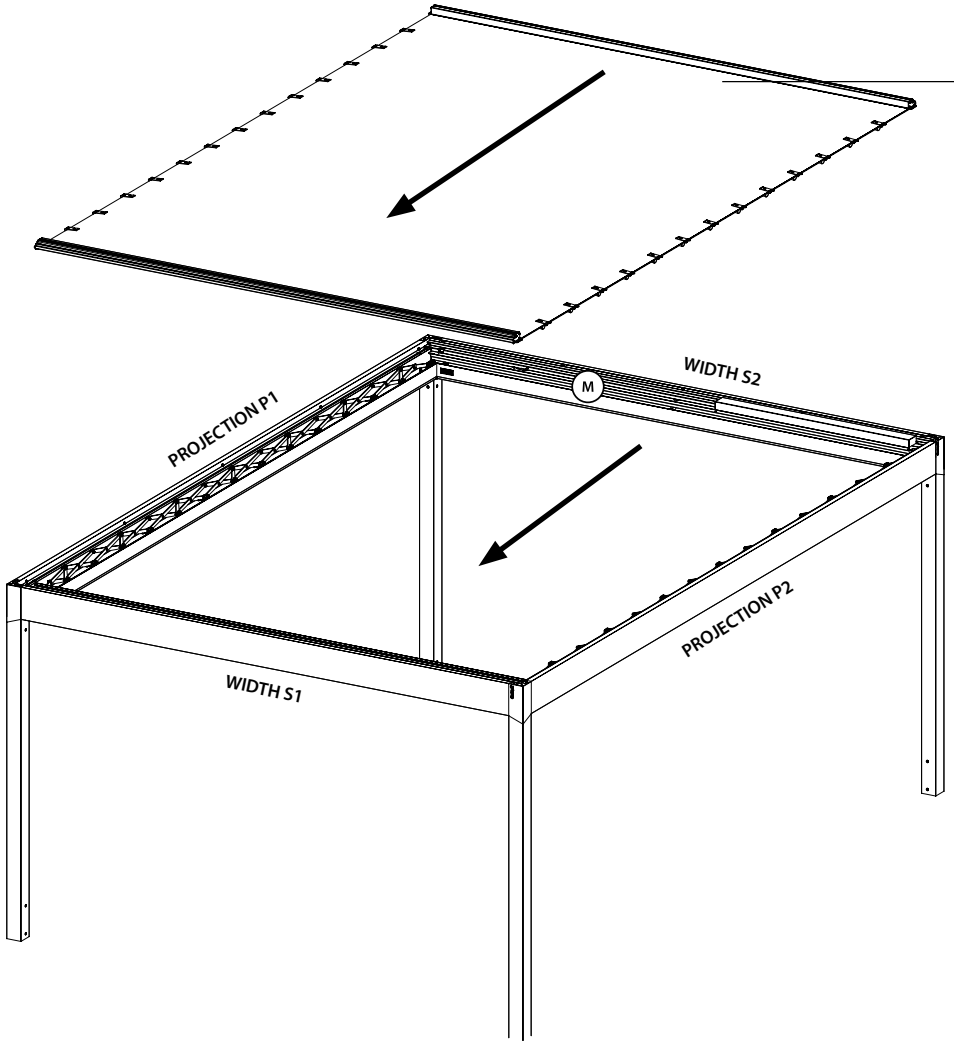


Up to a structure width of 400 cm, the encumbrance to be considered with the canvas completely stacked over the beam is 27 cm (pantograph).



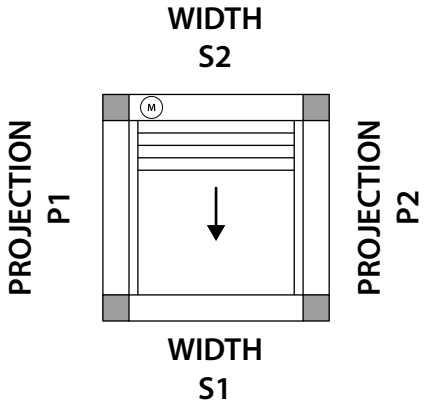
With structure width between 400 cm and maximum 550 cm, up to 9 cm must be added to the 27 cm of the pantograph for additional encumbrance of the curved tubes, for a total of 36 cm.

Corradi
OUTDOOR LIVING SPACE



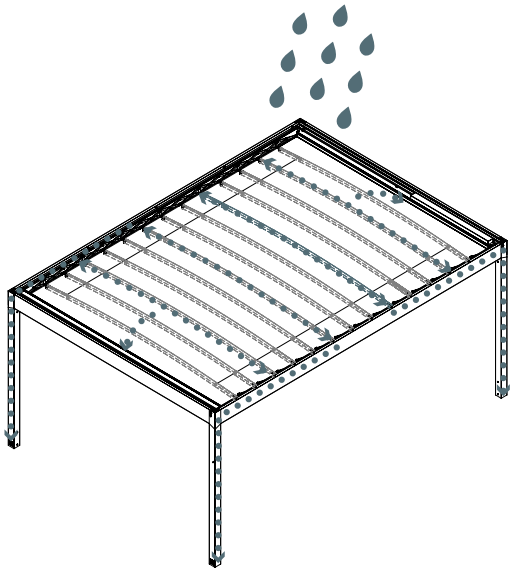
CURVED CANVAS
COVER

THE "WRINKLING" OF THE CANVAS DURING STACKING IS NOT A DEFECT, BUT RATHER A FEATURE.



2-RUNNER FREESTANDING
SINGLE MODULE

The PROJECTION side is always parallel to the direction of the sliding canvas.



WATER DRAINAGE

The covering system of a professionally installed Alba Butterfly, with a size of 550 x 715 cm, has been tested with a constant and diffused water spraying and with no wind.
The water draining system can evacuate about 11,000 litres/hour in all sizes with 4 perfectly maintained open drainages and perfectly level gutter, with no water seeping in.
These values are significantly higher than class 2 (according to EN 13561:2015) and equal to 56 l/h/m2.

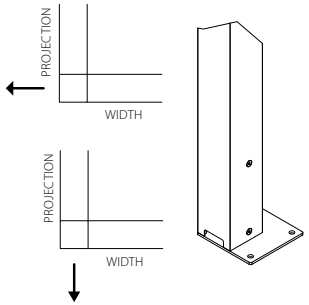
FREESTANDING SINGLE MODULE - WITH CURVED CANVAS

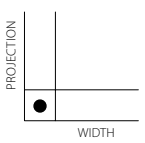
PROJECTION(cm)	WIDTH (cm)		
	200 to 350	**400/450**	**500/550**
190 to 715	**5**	**4**	**3**

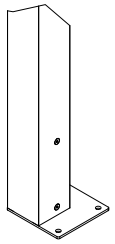
RESISTANCE TO WIND

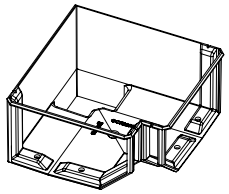
Wind resistance class (EN 13561:2015)

WATER DRAINAGE ON PROJECTION / WIDTH SIDE AND ON THE GROUND

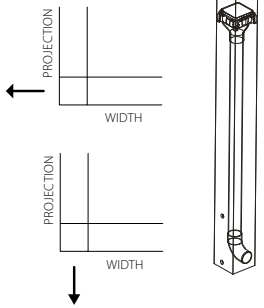


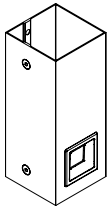




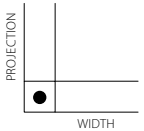


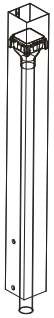
DRAINAGE WITH BUILT-IN DOWNPIPE ON PROJECTION / WIDTH SIDE AND ON THE GROUND

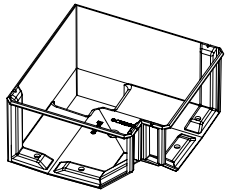




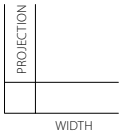
In the case of "side drainage with integrated PVC pipe" optional, the foot of the pillar will be finished with this component, for a more aesthetically pleasing appearance.

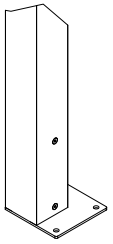


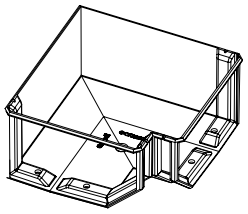




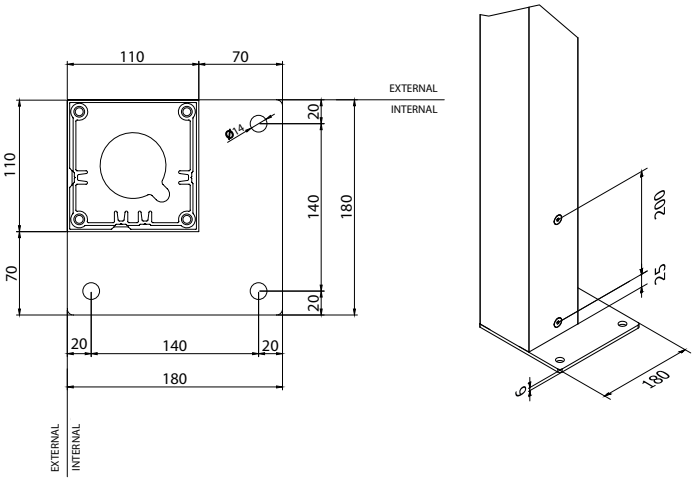
NO DRAINAGE





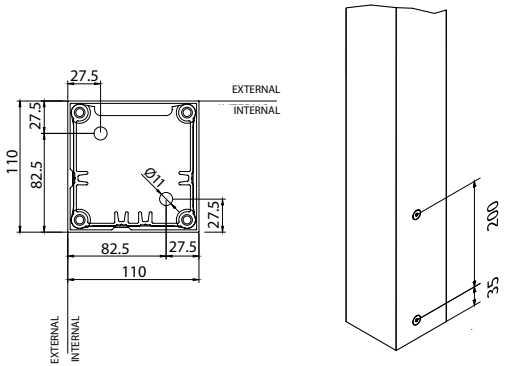


GROUND ANCHORING OF A STANDARD PILLAR BY MEANS OF ANGULAR VISIBLE BASE
(AS STANDARD)

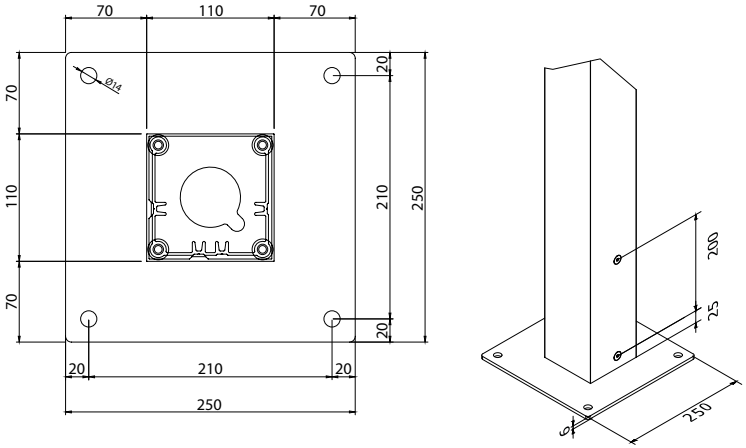


GROUND ANCHORING OF A STANDARD PILLAR BY MEANS OF CONCEALED BASE **(OPTIONAL)**

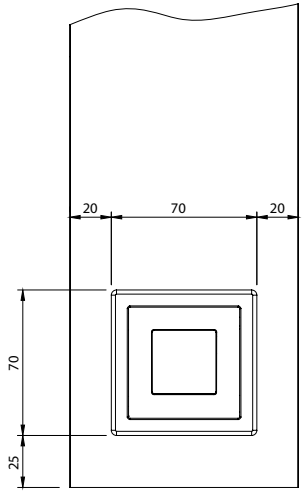
Available up to passage H < 277 cm.



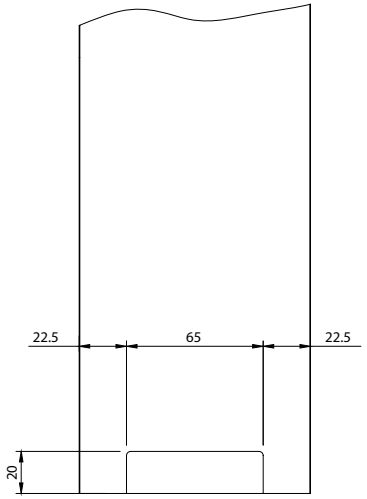
GROUND ANCHORING OF A STANDARD PILLAR BY MEANS OF CENTRAL VISIBLE BASE
(OPTIONAL)



Position of the water drain hole with integrated downpipe in the pillar



Position of the water drain hole with free drainage in the pillar

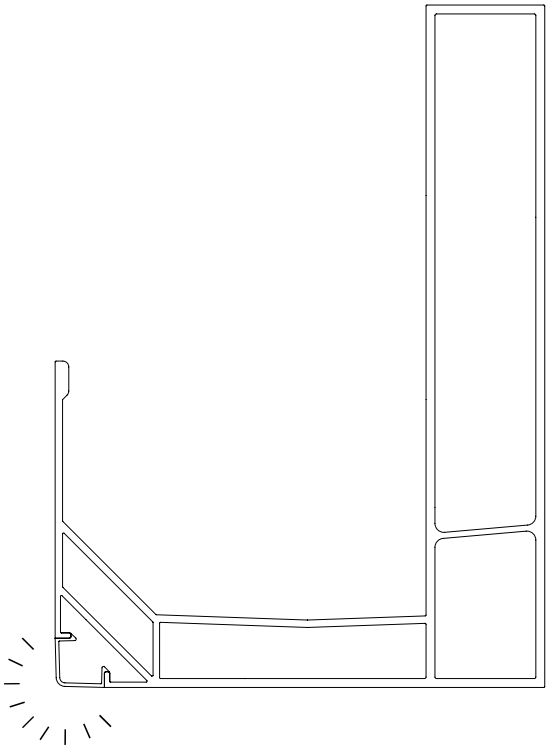


Measurements are expressed in mm

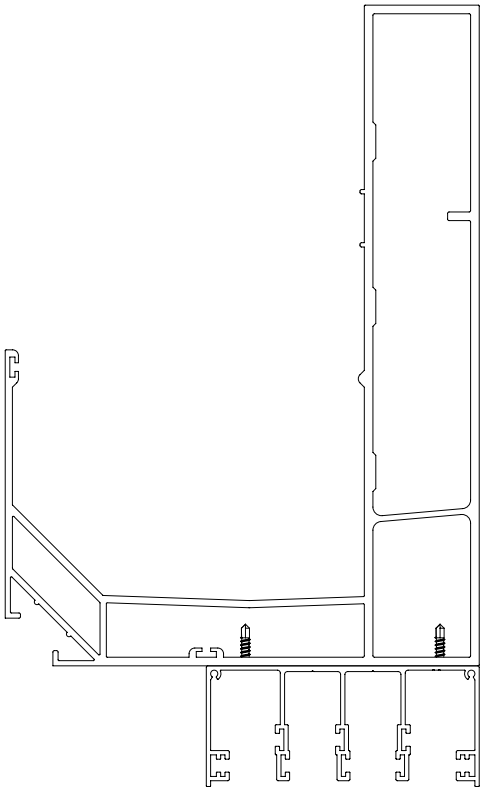
ALBA BUTTERFLY LED LIGHTS INTEGRATED IN THE GUTTER

Corradi
OUTDOOR LIVING SPACE

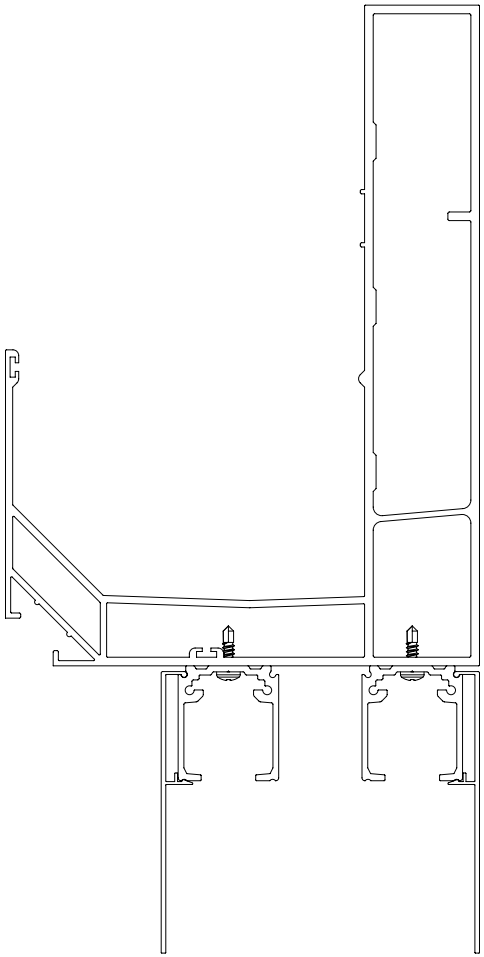
Basic profile	Aluminium, powder-coat finish, available in all standard Corradi colours.
Strip covers	Special plastic diffuser to spread light uniformly
LEDs	Available in: - 3000 K white light with 790 lm/m (120 LED/m) IP67 = suitable for outdoor use **The LEDs can be operated and dimmed (only white) using a multi-channel transmitter (not included).**
Command	Orders with LED lights integrated along the entire perimeter of the gutters include the control unit and power supply. The LED lights connected to the same control unit cannot be activated singularly.
Integration	The LED system is integrated in the gutters The LED system can only be ordered together with ALBA Butterfly (integration at a later time is not possible).
LED length	**The LEDs are only available along the entire length of the gutter and the entire perimeter**



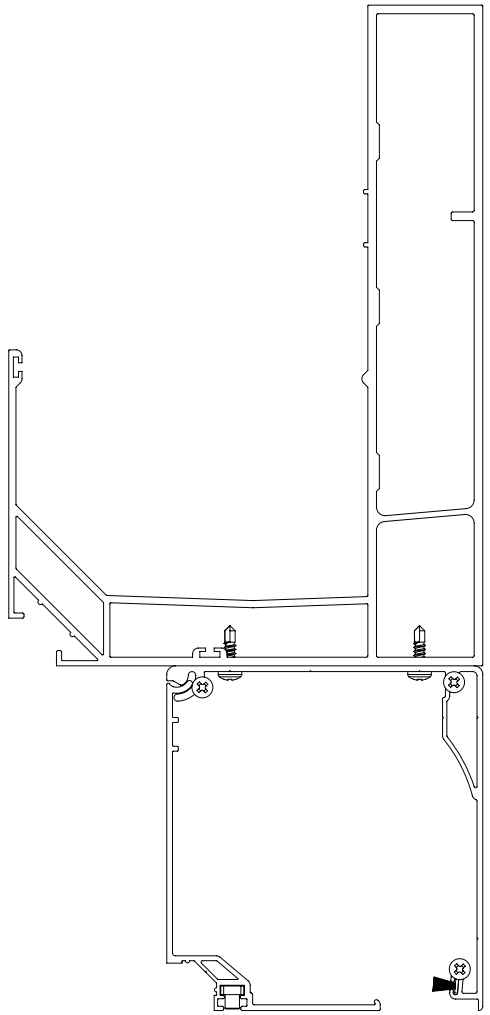
GLAZED APPLICATION
(UP TO 4 RUNNERS)



AURA APPLICATION



SCREENS APPLICATION
(TYPE 11 PROTECTION CASSETTES)



Alba Butterfly can be completed with closures from the Corradi range. MyGlass, Aura, Magiko B, Brio S (type 11 protection cassettes) can be installed.
Runners and protection cassettes are not integrated into the beams and pillars of the structure.

Corradi Srl
Via M. Serenari, 20 • 40013 Castel Maggiore (BO), Italy
T +39 051 4188 411 - F +39 051 4188 400
E hello@corradi.eu

www.corradi.eu