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ALGARVE® CANVAS

PRODUCT INFORMATION



EN - 07/25

 **RENSON®**

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DESCRIPTION



Elegant, horizontal patio cover with a fixed roof, finished with an aesthetic stretch ceiling using Fixscreen technology.

- A single style around your home
- Multi-purpose use as a patio cover or carport
- Double roof structure:
 - Rigid upper roof made of sheet metal with an anti-condensation layer
 - Tautly stretched ceiling made of fibreglass fabric using Fixscreen technology
- Surface-mounted side elements and accessories
- Can be expanded up to 6 x 6 m without additional columns
- Protection from the sun, rain and wind
- Sleek design



One roof section

BENEFITS

Design



1 MINIMALIST DESIGN

Sleek profiles and invisible screw connections combine to create an elegant structure.

2 TWO-PART JOINABLE

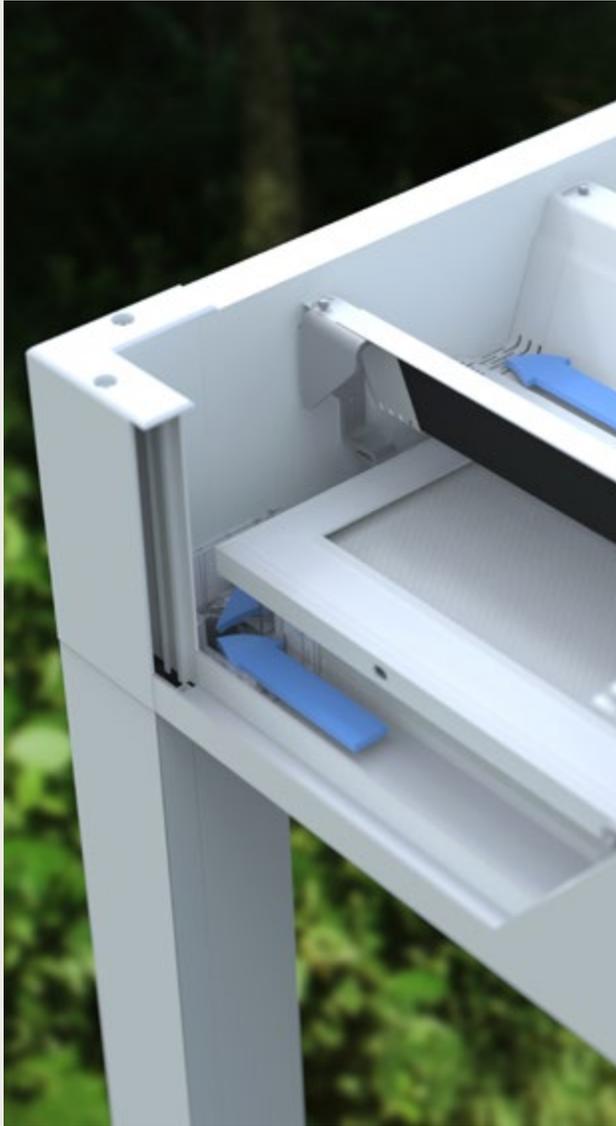
Two roof sections can be joined up to a maximum of 6 × 6 m without any additional columns. The roof sections can be fitted with a bladed or canvas roof, and a combination of blades and canvas is also possible. There is no need for both roof sections to have the same finish.

3 SURFACE-MOUNTED SIDE ELEMENTS

Fixscreens, glass sliding panels, Loggia panels, fixed walls or outdoor curtains can be fitted to the structure as surface-mounted elements.

4 INVISIBLE DRAINAGE VIA DRAINAGE PIPE IN THE COLUMN

Quality



1 UNIQUE END CAPS PROVIDE STRONG CORNER JOINTS

2 INTEGRATED WATER DRAINAGE CHANNELS

Customisation



Comfort

1 BACK ORDERS POSSIBLE

2 CUSTOMISATION

For more information about the possible accessories, see the 'Accessories' section and/or the product information for the various accessories.

QUICK INSTALLATION

Thanks to maximum pre-assembly.

TECHNICAL DETAILS



Dimensions	
Span - Single	Min. 1800* – max. 4500 mm
Span - Single with intermediate beam	Min. 1800* – max. 6000 mm
Pivot	Min. 2615* – max. 6055** mm
Passage height	Min. 375 mm - max. 2800 mm
Total height	Passage height + 230 mm
Minimum height required when installed under a roof overhang	Passage height + 235 mm
Minimum number of water drainage points < 16 m ²	1
Minimum number of water drainage points > 16 m ²	2**
Operating methods	
N/a to roof***	

* Smaller dimensions (span up to min. 800 mm and pivot up to min. 1110 mm) possible by special request to pre-sales - drawing office.

** Please note: if only one column is used, the water drainage capacity will be limited to 0.025 l/m².s (90 l/h).

*** Only applicable to accessories – see Product Information for accessories



Standard configuration

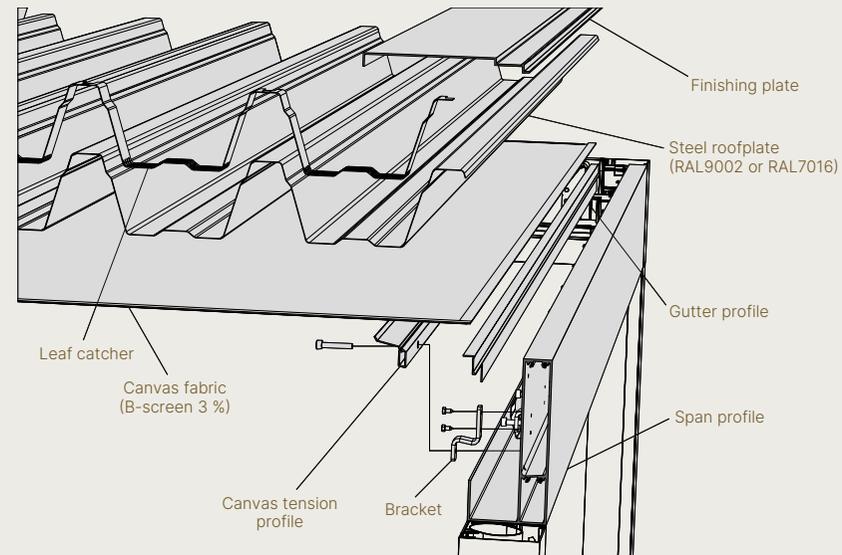
Construction

- Free-standing or façade mounted (against whole wall or partial connection)
- Standard mounting bases (visible or invisible)
- Custom span, pivot and passage height with mm precision
- Load-bearing and water-draining upper roof in steel plate. Top side of steel plate lacquered in white or anthracite colour. Underside of steel sheet covered with anti-condensation cloth
- Aesthetic lower roof finished in stretch fabric with zip technology

To see the full collection of fabrics, please refer to the fabric sampler (available in physical or digital format).

Finish

- Seaside Quality A
- Integrated water drainage (incl. PVC drainage pipes and connection between the gutter and the roof)
- Adjustable installation and drainage holes



Algarve Canvas weight

Total weight (kg) of entire Algarve Canvas																
Span																
Dimensions in mm	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4500	
Pivot	2615	111	119	126	134	142	149	157	164	172	180	188	195	202	210	215
	2830	127	136	145	155	163	172	181	190	200	209	218	227	237	245	251
	3045	130	139	149	158	166	175	184	194	203	212	221	231	240	248	254
	3260	133	142	152	161	169	178	188	197	206	215	225	234	243	251	258
	3475	148	160	170	180	191	202	212	223	233	245	255	265	277	287	294
	3690	152	163	173	183	195	205	215	226	237	248	258	269	280	290	297
	3905	155	166	176	187	198	208	218	230	240	251	262	272	283	294	301
	4120	158	169	179	190	201	211	222	233	243	255	265	275	287	297	304
	4335	174	186	198	210	222	235	247	259	271	283	295	308	320	332	339
	4550	177	189	201	213	225	238	250	263	274	286	299	311	323	336	343
	4765	180	193	204	216	229	241	253	266	277	290	302	314	327	339	346
	4980	195	210	223	237	250	264	278	291	305	319	332	347	360	373	382
	5195	199	213	226	240	253	268	281	294	309	322	336	350	363	377	385
	5410	202	216	230	243	256	271	284	298	312	325	339	353	367	380	388
	5625	218	233	248	263	279	294	308	324	339	355	369	385	400	415	425
5840	221	236	251	266	282	297	312	327	343	358	372	388	403	419	428	
6055	224	240	254	270	285	300	315	330	346	361	376	391	407	422	431	

The table above shows the weight of the Algarve Canvas frame; the weight of the columns and mounting bases is not included. Each column results in an extra weight of 4.8 kg/column metre.

Standard mounting base weight:

- invisible mounting base: 1730 g
- visible mounting base: 3370 g
- visible (corner): 2240 g

Reinforced mounting base weight:

- invisible mounting base: 6970 g
- visible mounting base: 10290 g
- visible (corner): 8170 g

Algarve Canvas snow load

Single Algarve Canvas - maximum snow load (kg/m ²)																
Span																
Dimensions in mm	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4500	
Pivot	2615	1343	1207	1097	1005	810	647	525	431	358	300	254	217	186	161	150
	2830	1136	1022	928	850	784	647	525	431	358	300	254	217	186	161	150
	3045	973	875	795	728	671	622	525	431	358	300	254	217	186	161	150
	3260	843	758	688	630	581	538	502	431	358	300	254	217	186	161	150
	3475	737	662	601	550	507	470	438	410	358	300	254	217	186	161	150
	3690	649	583	529	484	446	414	386	361	339	300	254	217	186	161	150
	3905	576	517	469	429	396	367	342	320	300	283	254	217	186	161	150
	4120	514	462	419	383	353	327	305	285	268	252	238	217	186	161	150
	4335	461	414	376	344	316	293	273	255	240	226	214	202	186	161	150
	4550	416	374	339	310	285	264	246	230	216	203	192	182	173	161	150
	4765	377	339	307	281	258	239	223	208	195	184	174	165	156	149	145
	4980	343	308	279	255	235	217	202	189	177	167	158	149	142	135	132
	5195	306	274	249	227	209	193	180	168	157	148	140	132	126	120	117
	5410	268	240	218	199	183	169	157	147	137	129	122	115	109	104	102
	5625	236	211	191	175	160	148	138	129	120	113	107	101	96	91	89
	5840	209	187	169	154	141	131	121	113	106	99	94	89	84	80	78
6055	185	166	150	136	125	116	107	100	93	88	83	78	74	70	68	

Tables do not exceed 300 kg/m² as values above this figure are no longer relevant.

Single Algarve Canvas with intermediate beam – maximum snow load (kg/m ²)																							
Dimensions in mm	Span																						
	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4500	4600	4800	5000	5200	5400	5600	5800	6000
2615	2028	1615	1316	1092	919	784	676	589	517	457	406	363	327	295	281	267	243	222	203	187	172	159	147
2830	1872	1491	1214	1007	848	723	624	543	476	421	374	335	301	271	258	246	224	204	187	171	158	146	134
3045	1738	1384	1127	935	787	671	578	503	441	390	347	310	278	251	239	228	207	189	173	158	146	134	124
3260	1622	1291	1051	872	734	626	539	469	411	363	323	288	259	234	222	212	192	175	160	147	135	124	115
3475	1520	1210	985	817	687	586	505	439	385	340	302	270	242	218	207	198	179	164	150	137	126	116	107
3690	1431	1138	926	768	646	550	474	412	361	319	283	253	227	205	195	185	168	153	140	128	118	108	100
3905	1351	1075	874	724	609	519	447	389	340	300	267	238	214	192	183	174	158	144	131	120	111	102	94
4120	1279	1017	828	686	577	491	423	367	322	284	252	225	202	182	173	164	149	136	124	113	104	96	88
4335	1214	966	786	651	547	466	401	348	305	269	239	213	191	172	163	155	141	128	117	107	98	90	83
4550	1156	919	747	619	520	443	381	331	290	256	227	202	181	163	155	147	134	121	111	101	93	85	78
4765	1103	877	713	590	496	422	363	315	276	243	216	192	172	155	147	140	127	115	105	96	88	81	74
4980	1054	838	681	564	474	403	347	301	263	232	206	183	164	148	140	133	121	110	100	91	84	77	71
5195	1009	802	652	540	453	386	332	288	252	222	197	175	157	141	134	127	115	105	95	87	80	73	67
5410	968	770	625	517	435	370	318	276	241	212	188	168	150	135	128	122	110	100	91	83	76	70	64
5625	931	739	601	497	417	355	305	265	231	204	180	161	144	129	122	116	105	96	87	79	72	66	61
5840	895	711	578	478	401	341	293	254	222	195	173	154	138	124	117	111	101	91	83	76	69	63	58
6055	863	685	557	460	386	328	282	245	214	188	166	148	132	119	113	107	97	88	80	73	66	61	56

Tables do not exceed 300 kg/m² as values above this figure are no longer relevant.

ACCESSORIES



Comfort pack		Back order
Fixscreen + Lineo Led	-	-
Side infills		
Integrated fixscreen	-	-
Algarve Fixscreen	✓	-
Lapure Fixscreen	-	-
Triangle	-	-
Loggia sliding panels*	✓	✓
Loggiascreen Canvas sliding door	-	-
Glazen sliding panels**	✓	✓
Linius wall**	✓	✓
Linarte wall	-	-
Outdoor curtains	✓	✓
Comfort		
Lighting		
Lineo LED	-	-
UpDown LED	✓	✓
Colomno LED	-	-
Lapure LED	-	-
Comfort & design		
Beam Heat & Sound*	-	-
Lineo Luce	-	-
Lineo Fix	-	-
Lineo Heat	-	-
Waterproof wall mounting	-	-
Protecto protective profile	-	-
Automation		
Wind sensor	-	-
Rain sensor	-	-
Sun sensor	-	-

* Up to a free width of 4250 mm

** Subject to use of reinforced mounting bases on adjacent columns



Styling		Back order
Classic Line	✓	-
Wooddesign roof blades	-	-
Columns		
Extra column	✓	-
Shifted column	✓	-
Adjustable wall column	-	-

CERTIFICATES & TESTING

CE – DoP documents

- CE / UKCA / DoC / DoP / ETA

Certificates

- REACH / seaside/coastal powder coating guarantee
- RoHS / AluEco
- VMRG sun protection

Declarations

- Declaration of powder coating
- Declaration of material codes
- Declaration of anodisation layer thickness
- Declaration of glass properties
- Declaration of fire resistance / reaction
- Declaration of asbestos
- Declaration of UV resistance / gtot + others

Test reports – calculations

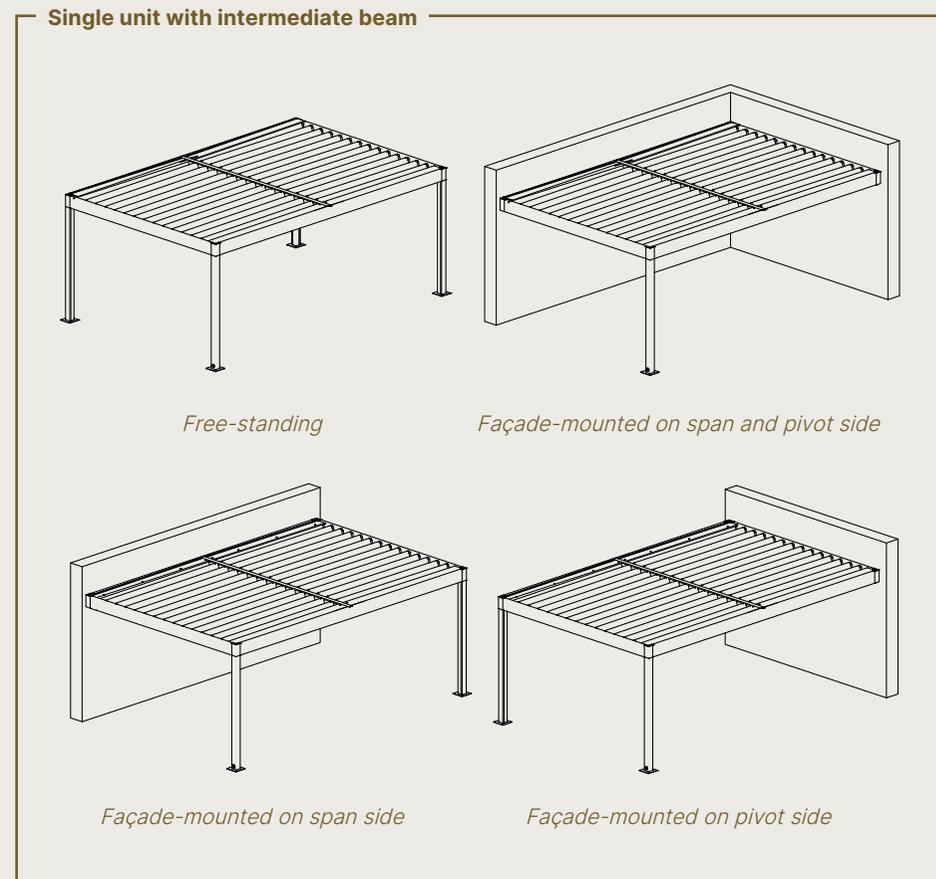
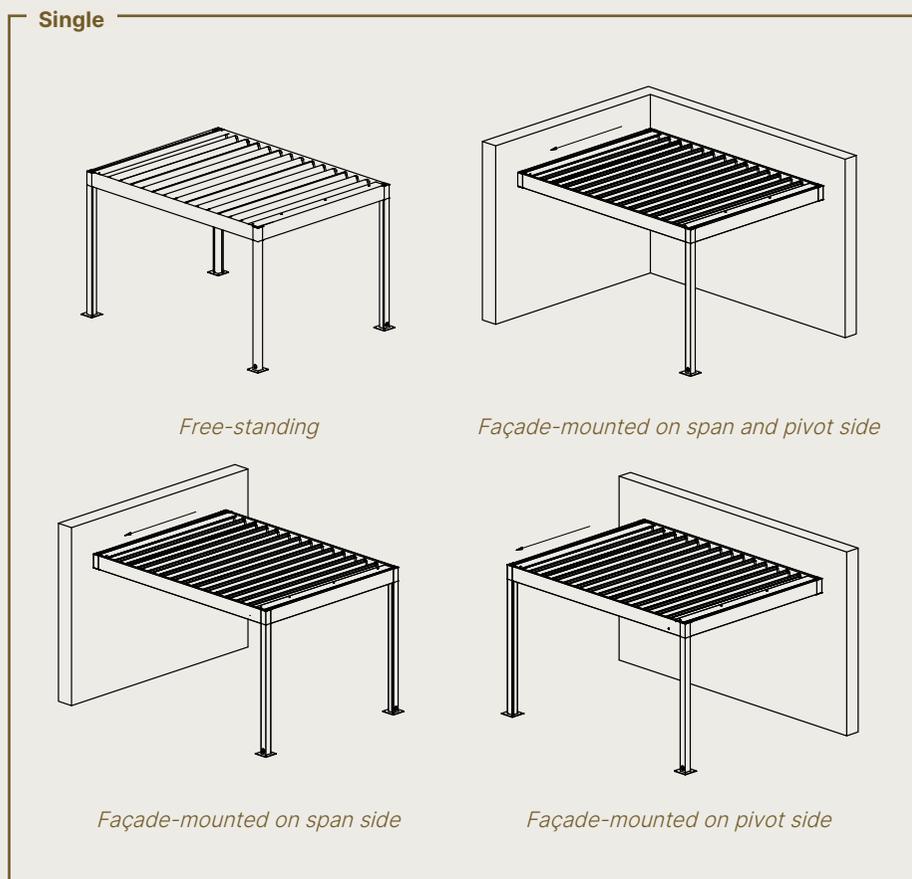
- Environmental statement (recycled aluminium)
- Anchoring requirements

Roof wind guarantee	up to 120 km/h
Fixscreen wind guarantee when closed	up to 60 km/h
Fixscreen operation	up to 50 km/h
Water drainage flow	120 l/m ² /h
Load-bearing capacity	100 kg/m ²



CONFIGURATION

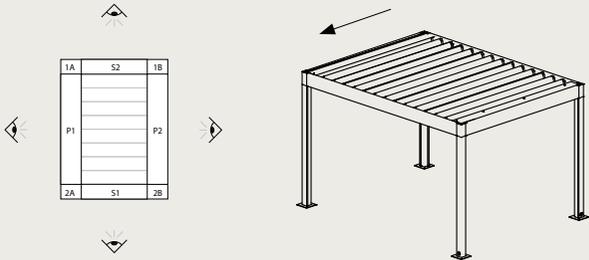
Type



Construction method

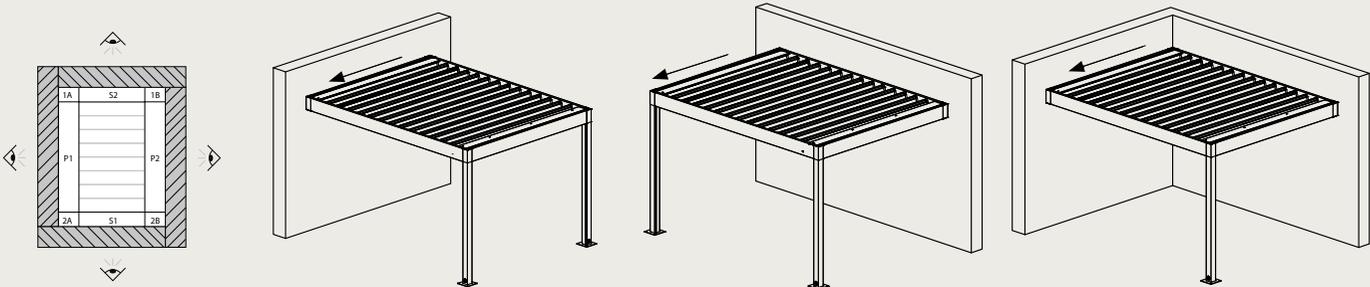
Free-standing

The sides are completely separate from any walls; the cover is not mounted against any walls.



Full-length wall mounted

The full length of the side is mounted against a wall.



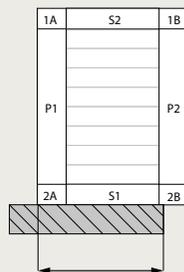
full-length wall mounted (façade mounted) on span side

full-length wall mounted (façade mounted) on pivot side

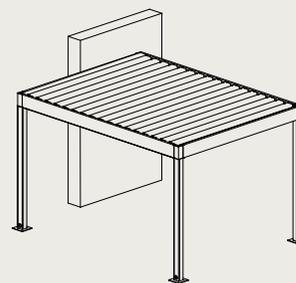
full-length wall mounted (façade mounted) on span and pivot side

Wall to the left

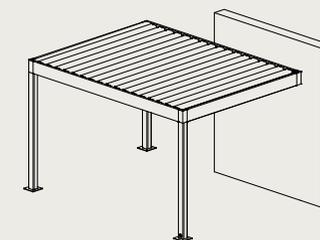
Only part of the side is mounted against a wall. Viewed from outside of the cover, the wall is located on the left side of the beam.



wall length



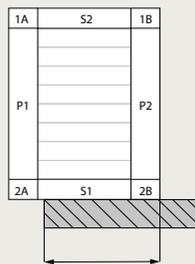
wall to the left (span)



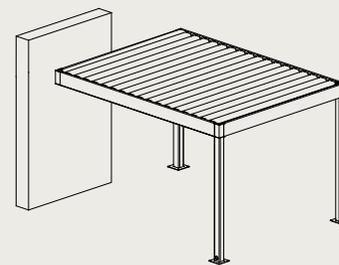
wall to the left (pivot)

Wall to the right

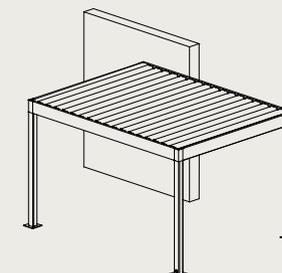
Only part of the side is mounted against a wall. Viewed from outside of the cover, the wall is located on the right side of the beam.



wall length



wall to the right (span)

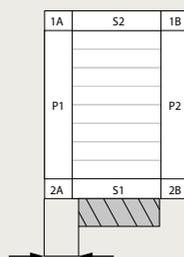


wall to the right (pivot)

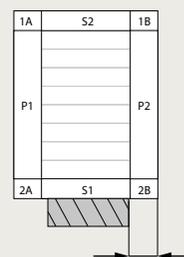
Wall in the middle

A limited part of the cover is mounted against a wall. There is a free-standing section of the cover both to the left and to the right of the wall.

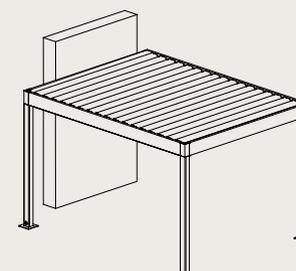
Note: Wall in the middle not selectable by default in Rio, but possible through presales.



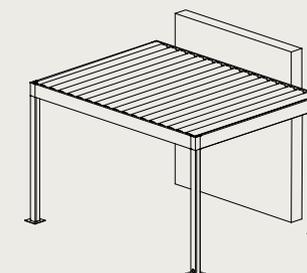
distance on the left to the wall



distance on the right to the wall



wall in the middle (span)

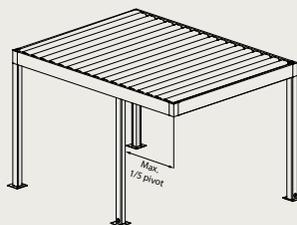
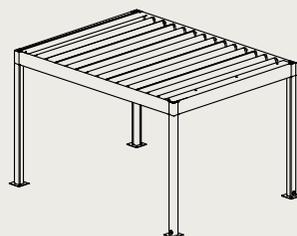


wall in the middle (pivot)

Columns

Corner column

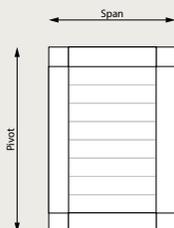
A column is provided for each corner as standard. When installing against a wall that guarantees sufficient stability, the column on this side may be omitted.



Shifted column

A column can be shifted in the direction of the pivot to a maximum of 1/5 of the pivot length. This guarantees the stability of the structure at all times.

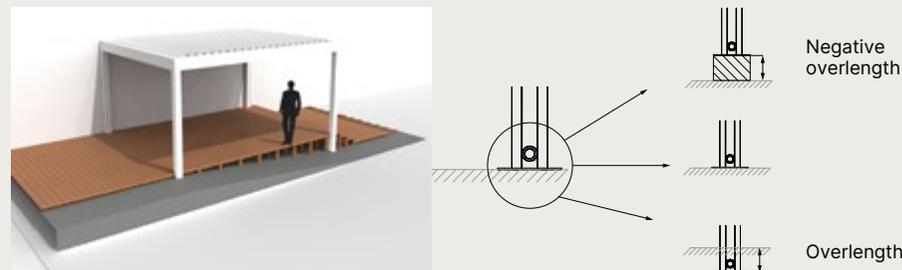
A shifted column for Algarve and Algarve Canvas is entered by entering the required distance from the corner. It is not possible to shift a column in the span direction.



Shorter/longer columns

A column that is longer (positive overlength) or shorter (negative overlength) than the entered passage height may be ordered.

Opting for a positive overlength can be useful to keep a roof perfectly level when your patio slopes downward, for example. Alternatively, if one of the columns is to be installed on a small wall, for example, it can be shortened (negative overlength).



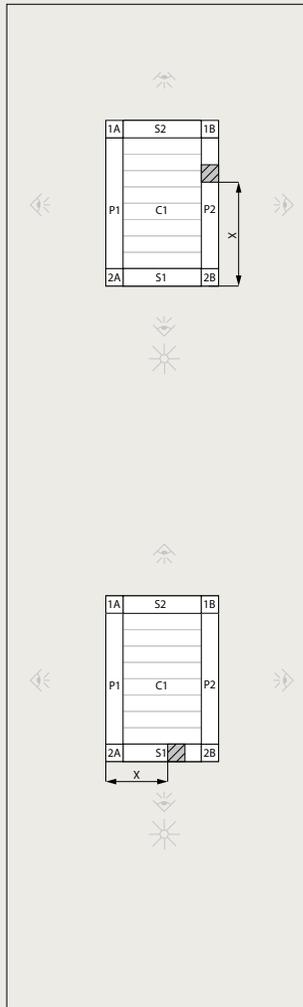
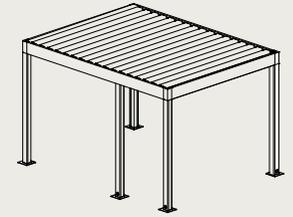
Positive overlength is possible up to the maximum passage height (2800 mm) plus 500 mm (= 3300 mm).

Negative overlength is possible up to the minimum passage height (= 500 mm).

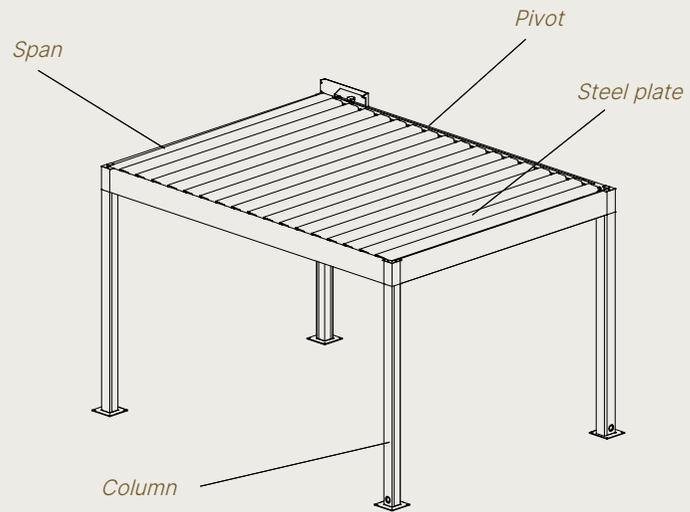
Overlength only affects the price if the column length > 3000 mm.

Additional column

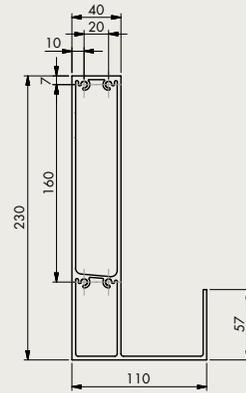
One side of the cover can be split into two sections by adding an additional column. The position of the additional column is always viewed from side P1 (additional column on span) or S1 (additional column on pivot).



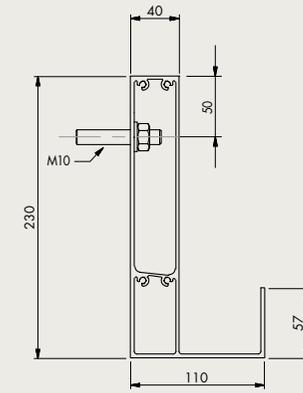
Profiles



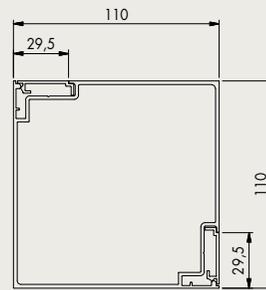
Span and pivot (Free-standing)



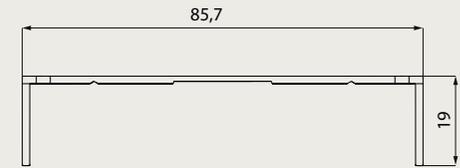
Span and pivot (Façade mounted)



Column



Intermediate beam profile

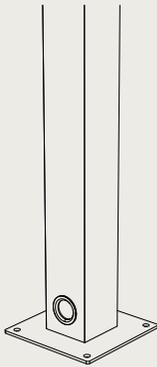


Steelplate



Mounting bases

The choice of reinforced or non-reinforced mounting bases will be made automatically based on the strength requirements and/or side infill selection. You can select a finish for your mounting bases from the possible options below.

			
Type	Visible mounting base		Invisible mounting base
Application	Not against a structure	Pivot or span against a structure	All applications
Non-reinforced mounting base	Available at standard price		
Reinforced mounting base	Available at a surcharge		

Water drainage

Water will be drained down an integrated drainpipe in the columns of your choice. Starting at 16 m², a minimum of two drainage outlets must be arranged for each roof section, of which at least one drain must be on the lowest side of the steel plate.

For all other dimensions, at least one drain must be provided on the lowest side of the steel plate.

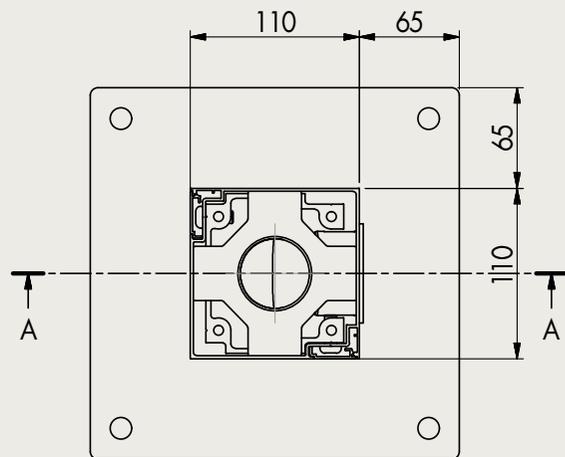
Please note! If there is only one water-draining column and the surface area is greater than 16 m², the drainage capacity of the roof will only be 90 litres per hour (0.025 L/m².s).

Three options for the height of the drainpipe:

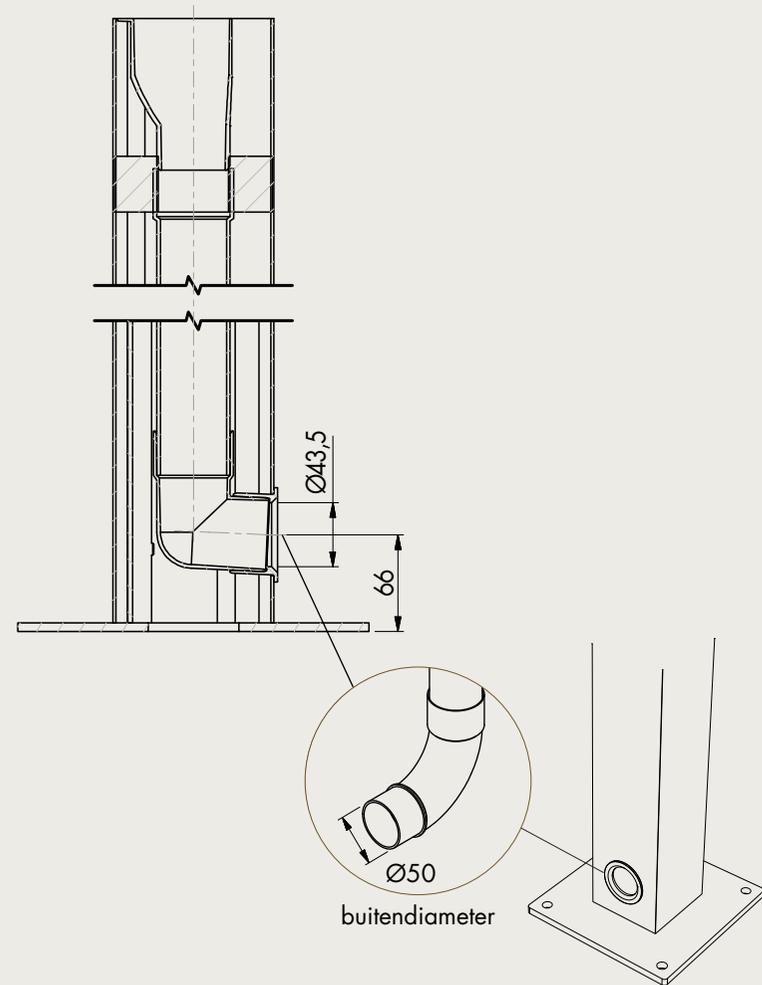
- 66 mm relative to the bottom side of the base, regardless of whether or not overlength is applicable(standard).
- 66 mm + overlength relative to the bottom side of the base. In case of overlength, you can choose to have the overlength size included in the standard distance of 66 mm. For example, an overlength of 100 mm will result in water drainage at 166 mm.
- Variable height
Minimum distance = 66 mm.
Maximum distance = passage height – 145 mm.
The height is always measured from the top side of the mounting base to the centre of the drainage hole.

	Passage height	Negative overlength	Positive overlength
66 mm relative to bottom side of base (standard)			
66 mm + overlength relative to bottom side of base			
Variable height (mm)			

Drainage - span or pivot side



PVC drainage pipe



OTHER TOOLS

Want to find out more? Visit the Professional Portal on our website (renson.net) to access the following tools.

- Technical drawings
- Training documents
- Installation manual
- User manual
- [Digital photo book & social media](#)
- ...

