

A horizontal, water-resistant sun protection roof with rotatable blades that can be integrated perfectly into new or existing structures.

PRODUCT CHARACTERISTICS

- Sleek design
- Protection from the sun, rain and wind
- Roof structure with rotatable aluminium blades
- Io or RTS control
- Can be integrated into existing structures
- Fits in with any architectural style



TECHNICAL DATA

Dimensions	
Span – Single	Min. 800 mm – max. 4500 mm
Span – Expanded	Min. 1600 mm – max. 6000 mm
Pivot	Min. 680 mm – max. 6055 mm
Passage height	N/A
Total height with blades closed	230 mm
Total height with blades 90° open	230 mm + 95 mm
Blade rotation	Max. 150°
Customisation	Span and pivot: mm precision
Minimum number of water drainage points < 16 m ²	1
Minimum number of water drainage points > 16 m ²	2
Testing and certificates	
Wind guarantee of roof with blades closed	Up to 120 km/h
Wind guarantee of closed Fixscreen	N/A
Max. wind speed for roof or Fixscreen operation	Up to max. 50 km/h
Water drainage flow	120 l/m ² .h
Load-bearing capacity	100 kg/m ²
Warranty	
Structure	7 years
Motors and controls	2 years
Somfy motors (Fixscreens)	N/A
Aluminium profile paintwork	10 years
Colour and shine	15 years*
Fixscreen technology	N/A
Operating methods	
Somfy RTS	✓
Somfy IO	✓
Somfy Connexoon	✓
Somfy Tahoma	✓
Renson App control	✓

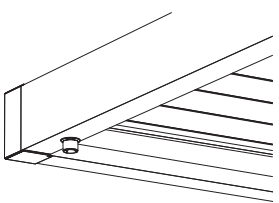
* Subject to registration of extended warranty and annual cleaning using the Renson® Maintenance Set

ACCESSORIES OVERVIEW

Fixscreens		
Integrated Fixscreen		-
Surface-mounted Fixscreen		-
Sliding panels		
Loggia sliding panels		-
Loggiascreen Canvas sliding door		-
Glass walls		-
Fixed walls		
Linus wall		-
Linarte wall		-
Triangle		-
Outdoor curtains		
Outdoor curtains		-
Column		
Extra column		-
Shifted column		-
Adjustable wall profile		-
Lighting		
Lineo LED blade		✓
Updown LED		✓
Colomno LED		-
Lapure LED		-
Comfort & design		
Heating & sound		✓
Beam Heat & Sound		✓
Translucent Lineo Luce blades		✓
Wooddesign		✓
Protecto protection profile		✓

WATER DRAINAGE

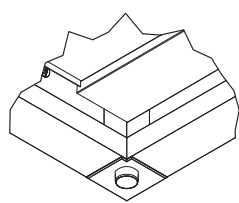
Water drainage through gutter



Min. two drainage points required:

- One on the lowest side of the pivot or at 250 mm of the lowest side of the span
- The other drainage point can be anywhere

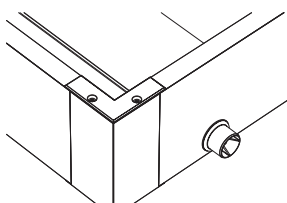
Water drainage through corner



Min. two drainage points required:

- One on the lowest side
- The other drainage point can be anywhere

Side water drainage

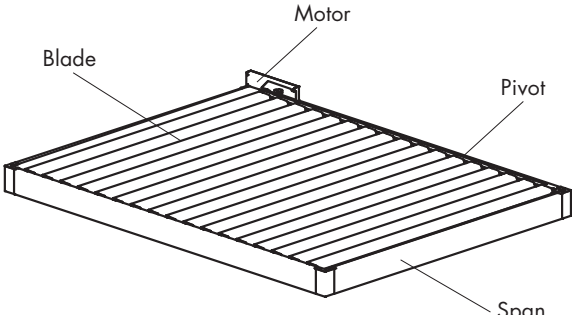


Min. three drainage points required:

- Two on the lowest side of the pivot or at 250 mm of the lowest side of the span
- The other drainage point can be anywhere

PROFILES

Aero



Material	
Aluminium extrusions	EN AW 6063 T66
Aluminium castings	A380
Zamak castings	ZAMAK 3

Span and Pivot

Surface mounting

Integration

Blade Aero

Expanded Aero cover profile

WATER TESTS

Water resistance and water drainage are tested using a spray installation that mimics rain. For example, we check how much water our patio covers can drain and how this drainage can be optimised.

The Aero can drain an amount of water equivalent to a rain shower with an intensity of 120 l/m²/h that lasts up to 2 minutes. This kind of rain occurs on average once every ten years in Belgium [See Belgian rain statistics: NBN B 52-011 standard].

LOAD-BEARING CAPACITY

Patio covers are subjected to various external forces [e.g. snow]. The load-bearing capacity of our covers is determined using static strength calculations carried out by our engineers and validated through internal tests. The basic principle is that the structure is allowed to bend by 1/200th of its longest dimension without any permanent deformation occurring.

The load-bearing capacity of Aero is dependent on the basic structure and the surface area. The diagram indicates the load-bearing capacity of our covers depending on their span and pivot dimensions.

Load-bearing capacity against collapse [6 x 4 m]	
Aero Line	100 kg/m ²

ELECTRICAL SPECIFICATIONS BLADED ROOF

Specifications	Value
Supply voltage	230 Volts AC, 50 Hz
Power range transformer	0 – 2.5 Amps
Power transformer	100 W
Motor voltage	24 Volt DC
Rated motor current	3 Amps
Protection class	IP 66 Dynamic
Maximum runtime during continuous use	Approx. 2 minutes

INDICATION WEIGHT

WEIGHT OF AERO [kg]										
	# blades	Dimensions in mm	Span							
			1800	2000	2200	2400	2600	2800	3000	3200
Pivot	11	2615	145	155	164	175	185	194	204	213
	12	2830	154	163	174	185	195	205	215	226
	13	3045	162	173	184	194	205	216	227	238
	14	3260	171	181	193	204	215	227	238	250
	15	3475	180	190	202	214	226	238	250	262
	16	3690	188	198	211	223	236	249	261	274
	17	3905	197	206	220	233	246	260	273	287
	18	4120	205	215	229	243	257	271	285	299
	19	4335	214	223	238	252	267	282	297	312
	20	4550	222	232	247	262	278	293	309	324
	21	4765	230	240	256	273	288	304	320	336
	22	4980	239	248	266	282	299	315	332	348
	23	5195	247	258	275	292	309	326	343	360
	24	5410	257	266	284	302	319	337	355	372
	25	5625	265	275	293	311	330	348	366	384
	26	5840	274	283	302	321	340	359	378	398
	27	6055	282	292	311	331	350	370	390	410

WEIGHT OF AERO [kg]									
	# blades	Dimensions in mm	Span						
			3400	3600	3800	4000	4200	4400	4500
Pivot	11	2615	223	233	242	252	261	272	277
	12	2830	236	246	256	266	278	288	293
	13	3045	249	259	270	282	293	304	309
	14	3260	261	273	285	297	308	320	325
	15	3475	274	287	299	311	323	335	342
	16	3690	288	301	313	326	339	351	358
	17	3905	301	314	327	341	354	367	374
	18	4120	313	327	341	355	369	383	390
	19	4335	326	341	355	370	384	399	406
	20	4550	339	354	369	384	400	415	423
	21	4765	352	367	383	399	415	432	440
	22	4980	364	381	397	414	431	448	456
	23	5195	377	394	411	429	446	463	472
	24	5410	390	409	426	444	462	479	488
	25	5625	404	422	440	459	477	495	504
	26	5840	416	435	454	473	492	511	520
	27	6055	429	449	468	488	507	527	537