atriadesigns.ca

ATRIA®

premier outdoor living • solar shading • cladding products

(604) 428 1818
sales@atriadesigns.ca

RENSON® PREMIUM AMBASSADOR

LAPURE®

PRODUCT INFORMATION

EN - 10/25

RENSON®

TABLE OF CONTENTS

DESCRIPTION

Patio cover with a wind and water-resistant Fixscreen sun protection roof and panoramic view. Can be closed off with surface-mounted side elements.

- Water drainage guarantee for maximum dimensions of 6 m wide by 5 m deep and a minimum slope of 8°
- No sagging in the rain due to Fixscreen technology and innovative bottom bar system (patent pending)
- Lapure Shade: equipped with a horizontal roof in sun protection applications (rain sensor required)
- Highly windproof
- Minimalist design
- Panoramic view with the roof open
- Can be controlled using Renson Connect App, io or RTS

One roof section

* Tests have shown that the structure can withstand even higher rainfall rates of up to 108 l/m².h, but it may be possible the water cannot be drained quickly enough.

BENEFITS

Design

1 WATERPROOF, TRANSLUCENT FABRIC

2 UNINTERRUPTED PANORAMIC VIEW

No visible front bar when fabric is retracted

3 OPTIMAL FABRIC TENSION DUE TO FIXSCREEN TECHNOLOGY

4 INVISIBLE WATER DRAINAGE VIA THE INNOVATIVE FRONT BAR (PATENT-PENDING), THEN SIDEWAYS INTO THE COLUMN

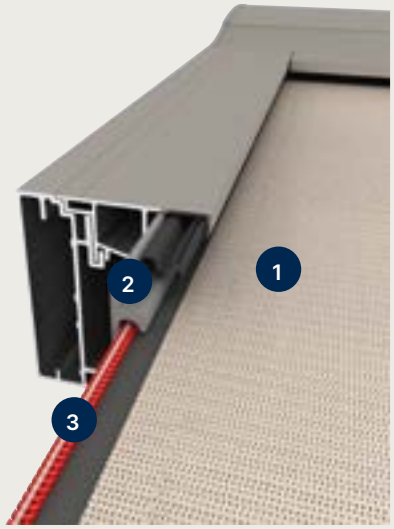
5 OPTIONAL BOTTOM COVER

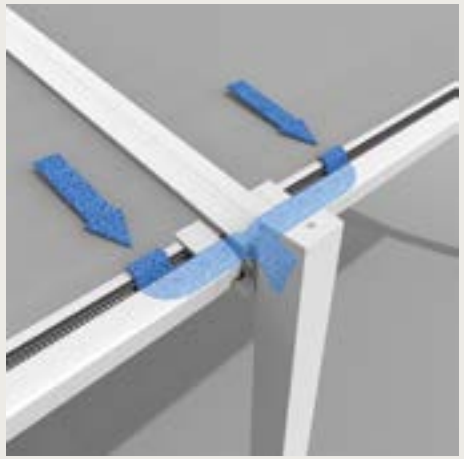
Neatly hiding the wall brackets, motor and wiring

6 LAPURE SHADE: HORIZONTAL INSTALLATION POSSIBLE FOR SUNPROTECTION ONLY

A rain sensor makes the fabric roll in when it rains

Quality





1 DURABLE INNER RAIL WITH SMOOTH TECHNOLOGY

Smooth, durable and silent zip operation

2 SYMMETRICAL ZIP ENSURES HIGH WIND RESISTANCE

High wind guarantee up to 100 km/h

3 IMPROVED WATER DRAINAGE

New ingenious bottom bar design (patent-pending), additional funnels and integrated tubes guarantee perfect water drainage

4 MAXIMUM DIMENSIONS WITH MINIMUM SLOPE AND MAXIMAL WATER DRAIN CAPACITY

An 8° slope is possible for a 6 by 5 metres and capable of handling a water volume of 56 l/m².h (class 2 acc. NBN EN 13561)

Customisation

1 WIDE RANGE OF POSSIBLE OPTIONS

All possible RAL colours, choice of 11 water-resistant fabrics (or 12 sun-repellent fabrics in the case of Lapure Shade)

2 ACCESSORIES

For more information about the possible accessories, see the ‘Accessories’ section and/or the product information for the various accessories (Lapure Fixscreen)

Comfort

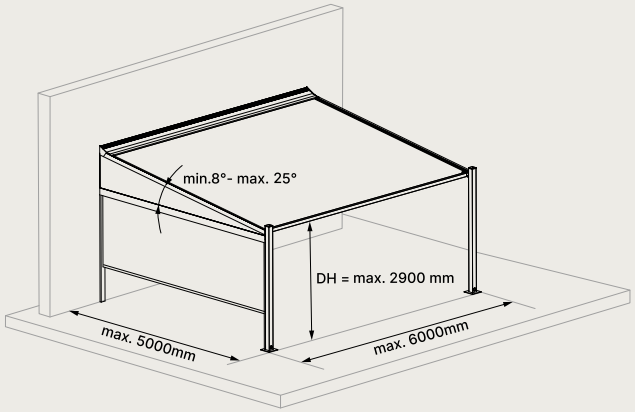
1 QUICK INSTALLATION

Thanks to maximum pre-assembly

2 LAPURE LED

Visible cross beam with dimmable LED

TECHNICAL DETAILS



Dimensions	
Width per roof section	Min. 1500 - 4000 mm (without cross-beam) 4001 - 6000 mm (with cross-beam)
Projection	Min. 1500 mm–max. 5000 mm
Roof overhang with shifted columns	Max. 1000 mm
Passage height	Min. 500 mm–max. 2900 mm
Inclination of slope*	min. 7° up to 5000 mm, min. 8° >5000 mm* max. 25°
Total height	Depends on inclination of slope and projection
Minimum height required when installed under a roof overhang	Total height + 190 mm
Customisation	Width and projection: mm precision
Operating methods	
Renson® Connect App	✓
Somfy io	✓
Somfy RTS	✓
Home automation ready	✓

Electrical screen roof drive

Parameters	
Supply voltage	230 Volt AC
Current	1.5 Ampère
Power	320 W
Protection rating	IP 44
Maximum running time with continuous use	Approx. 3 to 4 minutes

* up to 0° possible for sun protection only, provided a rain sensor is used (Lapure Shade)

Standard configuration

Structure

- Structure to be built against a supporting wall
- Standard mounting bases (visible or invisible)
- Custom width, projection, passage height and inclination of slope
- Motorisation (Somfy RTS or io)
- Water-resistant fabric roof (SWK top or W96) or sun protection fabric roof (S86) in the case of Lapure Shade

Finish

- Seaside Quality A
- Integrated water drainage (via side guiding channels, bottom bar, funnels and columns)
- Adjustable installation and drainage holes.

Lapure weight

Weight [in kg] of a single system with a passage height of 2800 mm (excl. packaging).

Width / Hor. projection	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
1500	92	97	103	109	114	120	126	131	137	142	148	160	166	172	178	184	190	196	202
2000	95	101	107	113	118	124	130	135	141	147	152	163	169	175	181	187	193	199	205
2500	99	105	111	117	122	128	134	140	145	151	157	168	174	180	186	192	199	205	211
3000	103	109	115	121	127	132	138	144	150	156	161	173	179	185	191	197	203	210	216
3500	108	113	119	125	131	137	143	148	154	160	166	177	183	189	196	202	208	214	220
4000	112	118	123	129	135	141	147	153	159	165	171	182	188	195	201	207	213	220	226
4500	116	122	128	134	140	146	152	158	164	169	175	187	193	199	205	212	218	224	230
5000	120	126	132	138	144	150	156	162	168	174	180	191	198	204	210	217	223	229	236

Lapure snow load

The Lapure Fixscreen roof is rain resistant, but not snow resistant. The roof must be opened when it is snowing.

ACCESSOIRES

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

* Mandatory for Lapure Shade (sun-resistant horizontal version)

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

* Water drainage via the shifted column is not possible when the fabric is fully rolled out (see p. 17)

Lower cover

Optional cover to neatly conceal the wall brackets, motor and cabling.

Upper cover

Cover to protect the screen box. Can be omitted if the screen box is installed under a canopy or overhang.

Fabrics(roof)

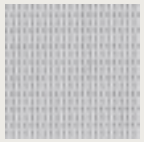
Water-resistant fabrics (Lapure):

SWK TOP WATERPROOF

M005 White


M006 Pearl


M652 Silver


M654 Grey


M712 Beige


M939 Elephant

SOLTIS PROOF W96

W96-1103

W96-8102

W96-2171

W96-8861


W96-2047

Sun protection fabrics (Lapure Shade)
Soltis S86

For the complete collection of fabrics, please consult the sample book (available in physical or digital format).

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 material codes
- Declaration of powder coating
- 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 with Rooffix closed	up to 100 km/h
Fixscreen wind guarantee when closed	up to 60 km/h
Max. wind speed for roof or Fixscreen operation	up to 50 km/h
Water drainage flow	56 l/m².h*
Load-bearing capacity	N/A

CE UKCA

* Classe 2 according to DIN EN 13561
Tests have shown that the structure can withstand even higher rainfall rates of up to 108 l/m².h, but it may be possible the water cannot be drained quickly enough.

CONFIGURATION

Type

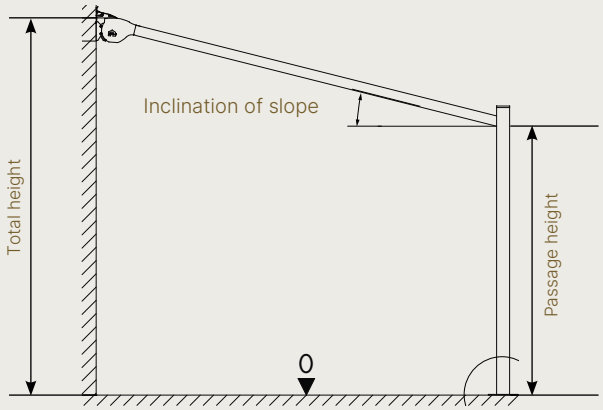
Single

Two-part joined

Three-part joined

Inclination of slope

Lapure		
Width dimensions per roof section	Minimum	1500 mm
	Maximum without cross-beam	4000 mm
	Maximum with cross-beam	6000 mm
Projection dimensions	Minimum	1500 mm
	Maximum	5000 mm
Roof overhang (with shifted columns)	Maximum	1000 mm
Passage height dimensions	Minimum	500 mm
	Maximum	2900 mm
Total height without wall profile		Depends on inclination of slope and projection
Total height including wall profile		Total height + 86 mm
Height required when installed under a roof overhang with access to the screen head box		Total height + 190 mm
Suspension bracket height		Total height - 198 mm



Minimum slope angle for guaranteed water drainage:

- 7° for widths ≤ 5 m
- 8° for widths > 5 m

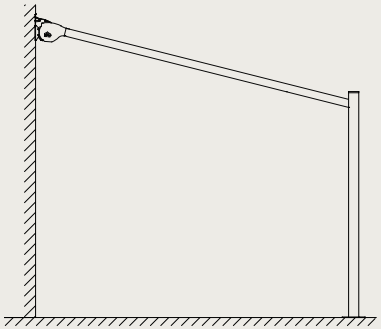
Lapure Shade:

- Angle of inclination for sun protection version = 0°

Columns

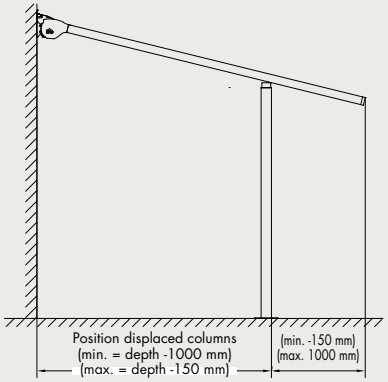
End column

A column is provided for each corner as standard.



Shifted column

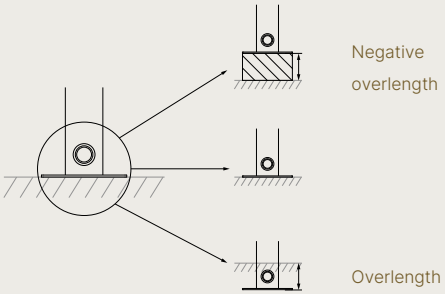
A column can be shifted up to a maximum of 1000 mm from the projection. This guarantees the stability of the construction at all times.



A shifted column in Lapure must be entered by entering the required distance from the wall connection.
Minimum shifted column position = Projection - 1000 mm
Maximum shifted column position = Projection - 150 mm

Overlength

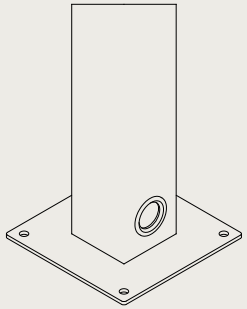
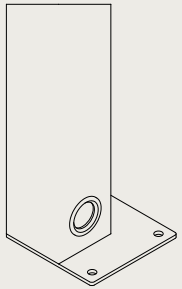
Columns that are longer (positive overlength) or shorter (negative overlength) than the passage height entered can also be ordered.
Opting for a positive overlength of the column can be useful to keep a roof perfectly level when your patio slopes downward, for example.
Alternatively, if one of the columns is to be installed on a small wall, for example, it can be shortened (negative overlength).



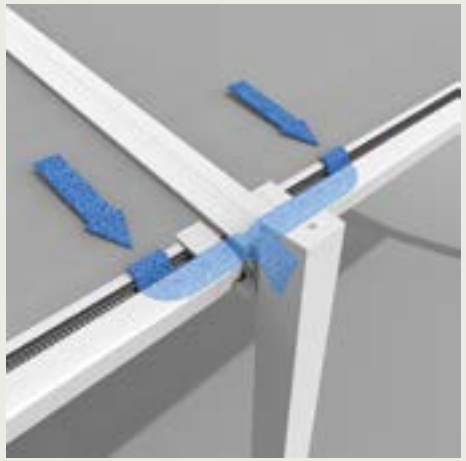
Positive overlength is possible up to the maximum passage height (2900 mm) plus 500 mm (3400 mm).
Negative overlength is possible up to the minimum passage height (= 500 mm).

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.

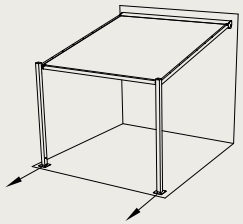
			
Type	Visible mounting base		Invisible mounting base
Application	Not against a structure		All applications
Non-reinforced mounting base	Available at standard price		
Reinforced mounting base	-		

Water drainage



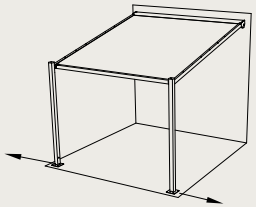
End columns

Water entering the guiding channels via the bottom bar is drained via the columns.
Water drainage at the bottom of the columns always runs away from the cover.



Front

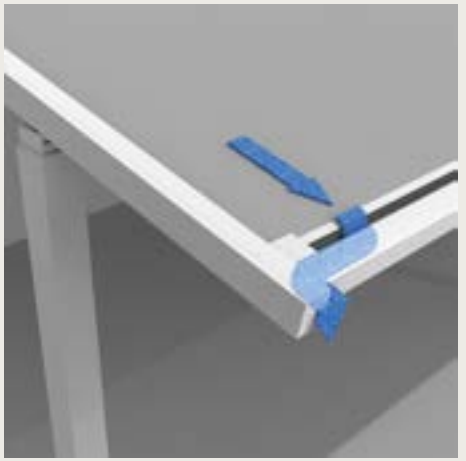
Water drainage towards the front (always ‘away from the patio’).



Side

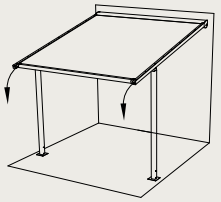
Water drainage towards the side (always ‘away from the patio’).

Integrated water drainage pipe



Shifted columns

Water entering the side channels via the bottom bar is drained at the end of the side guiding channels.



Front

Water drainage towards the front (always ‘away from the patio’).

Funnels

To collect overflow water (only provided at end column)

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
- ...