

*amani*

PRODUCT INFORMATION



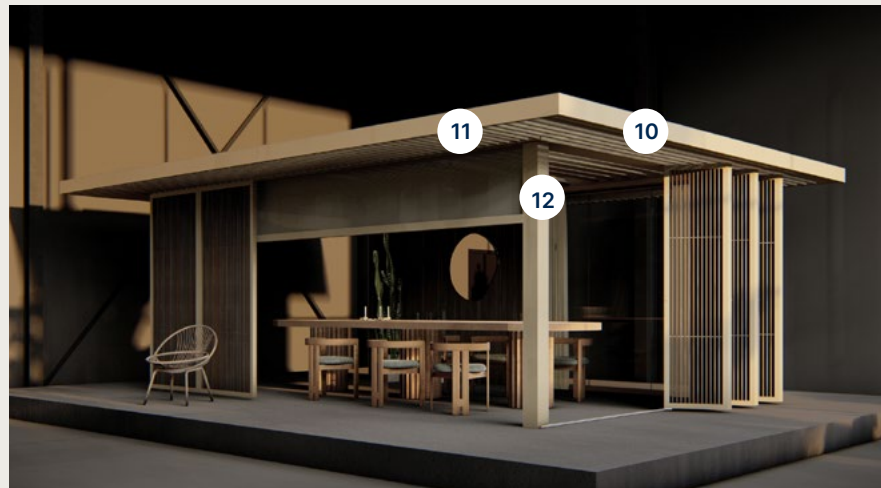
US - 12/24

 **RENSON®**

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# DESCRIPTION



1. Wall cladding up to the front of the frame.
2. Loggia folding panels in front of the frame.
3. Loggia sliding panels in front of the frame.
4. Fully integrated side inserts.
5. Shifted column (pivot and span) with Multiple additional columns possible.
6. Recessed front cover.
7. Iconic LED module surrounding the top of the roof.
8. Emphasis on the columns instead of the beams.
9. Fewer lines in the column, no visible screws and concealed electrical outlet.
10. All-around canopy.
11. Highlight the canopy using an optional LED line.
12. Invisible Fixscreen side guiding channels.



## Modular aluminum patio cover with rotating blades, fixed roof or open roof and integrated side infills

- Modular support structure
- Up to four inserts per side possible
- Platform strategy: multiple roof types, side inserts and lighting types
- Can be coupled in multiple parts on the span or pivot side

# BENEFITS

## Design



### INSERTS IN FRONT OF THE FRAME

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- Canopy and Loggia panels can be placed in front of the structure
- Wall cladding continues in front of the frame and columns
- Hidden columns create an elegant appearance



### ICONIC LED

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- Add an accent to your patio cover with a LED line around the roof



### SHIFTED COLUMNS

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- Columns can be shifted in span or pivot direction
- Multiple additional columns possible



### CANOPY

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- Adds visual elegance to the structure
- Creates more shade
- Highlight the canopy using an optional LED line

## Design



### RECESSED FRONT COVER

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- More elegant appearance by shifting the emphasis to the columns instead of the beams



### PURITY BY DESIGN

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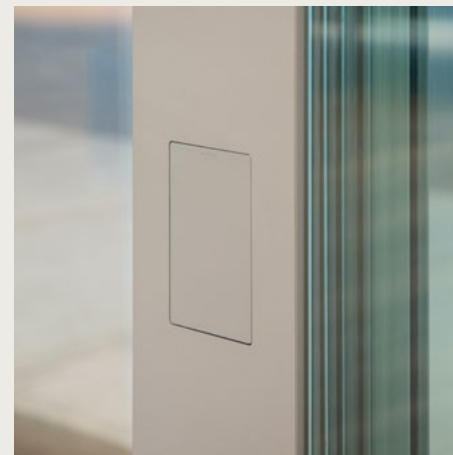
- Invisible Fixscreen inner rails
- No lines in the columns
- No visible screws



### FULLY INTEGRATED

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- Loggia and glass wall rail fully integrated into the top beam



### ELECTRICAL OUTLET

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- Invisibly concealed in the column

## Performance



### REINFORCED COLUMNS

- Every column is reinforced as standard, meaning the supporting structure remains stable even in strong winds



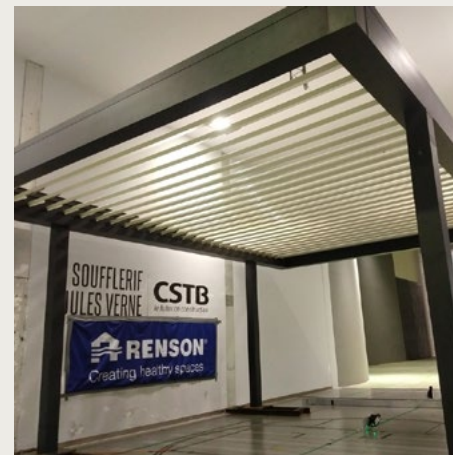
### ALL BLADES SECURED

- Each blade is secured, which ensures the stability of the supporting structure. As a result, Amani remains stable even in extremely strong winds of up to 99 mph.



### INTEGRATED WATER DRAINAGE WITH HIGH FLOW RATE

- Water flows toward the gutter through the wide blade gutters and is drained via the integrated UPVC pipes in the columns



### EXTENSIVELY TESTED

- Ten years of experience
- Wind tunnel testing performed externally
- Water flow rate, climate, salt spray, tension, and pressure tests all carried out internally

## Performance



### CERTIFICATION

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- Five years of development by an extensive R&D team, resulting in 18 patents and the appropriate certificates



### WARRANTY\*

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- Ten-year product warranty
- Fifteen-year extended coating warranty

\*Consult the General Information sheet on the Professional Portal for more information about the warranty.

## Customization



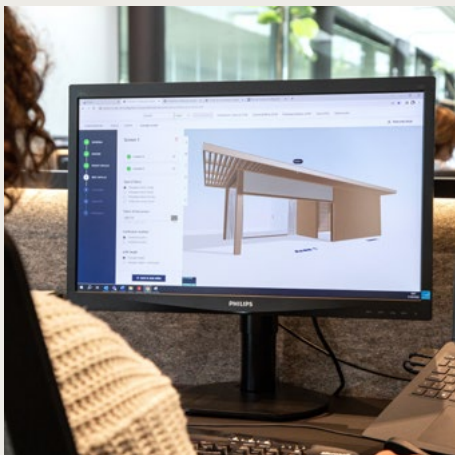
### **MULTIPLE MODULAR ROOF SECTIONS**

- Customizable dimensions with millimeter precision
- Up to three roof sections can be coupled together in a single direction
- Shifted column in span/pivot direction



### **ROOF TYPES AND LIGHTING**

- Bladed roof, fixed roof, and open structure
- Canopy
- Wide choice of ambient and focus lighting



### **CONFIGURATOR**

- Online tool to help visualize the customer's ideal patio cover in 3D, request a quote, and place an order



### **WIDEST RANGE OF SIDE INSERTS**

- Various side inserts available (Fixscreen, fixed wall, fixed or sliding Loggia, curtains)
- Folding Loggias result in a narrower stack
- Glass sliding panels on five rails ensure all panels can slide to one side, even in the largest dimensions

## Customization



### **DIFFERENT FINISHES PER INSERT**

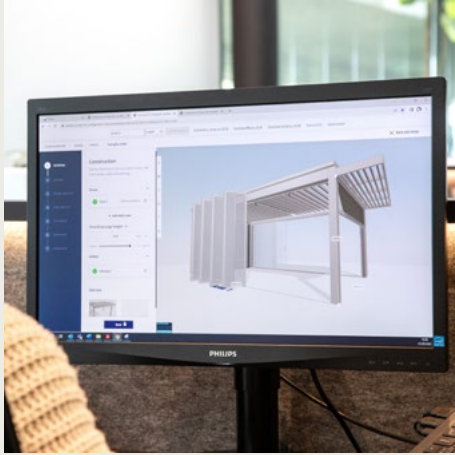
- Wide choice of powder coating colors, fabric types and fabric colors
- Blades, canopy and Loggia available in two-color options
- Fixed wall available in Linarte Even or ready for wood finish
- Transparent or matte glass
- Various Loggia inserts, all possible as fixed, sliding or folding panels
- Ten trendy curtain fabrics



### **INTEGRATED TECHNOLOGY**

- Integrated electrical outlet or USB connection.
- Integrated heating in the roof blades

## Comfort



### 3D CONFIGURATOR

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- Online visualization, from initial quote to order



### QUICK INSTALLATION

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- Thanks to maximum pre-assembly and the modular structure of the various junctions



### SENSORS

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- Frost and snow protection, optional rain and wind sensor

# STRUCTURE

## Standard configuration



### Structure

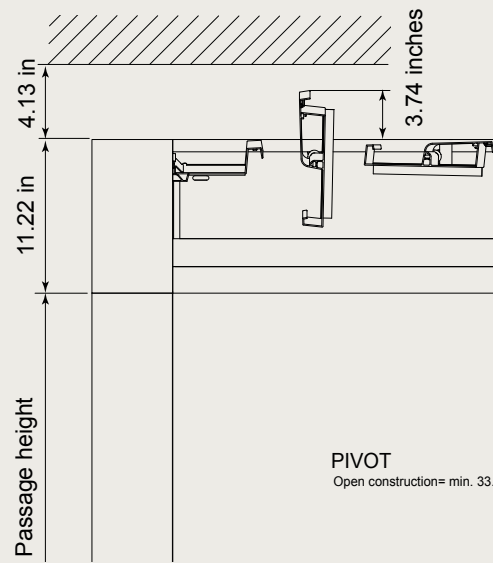
- Free-standing or wall-mounted (full length or partial connection).
- Mounting bases with choice of base plate: visible, corner visible or invisible
- Custom depth (span), width (pivot) and passage height with millimeter precision.
- Up to three roof sections can be coupled together in one direction (depth or width)
- Roof types: bladed roof, fixed roof or fully open structure
- Standard or design front cover (recessed)
- Optional canopy available
- Motorization with motor position always in the middle of the pivot beam and motor always on the water drainage side (lowest side)
- Blade orientation (sun protection or maximum sunlight)

### Finishing

- Seaside Quality A
- Monocolor or bicolor according to Renson standard colors
- Integrated water drainage (including UPVC drainpipes)

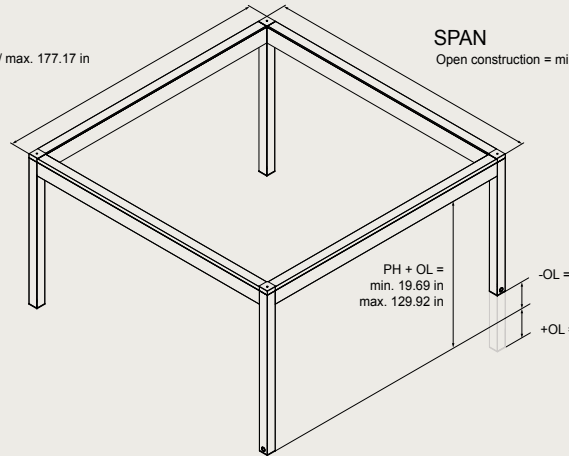
# Standard configuration

## Dimensions

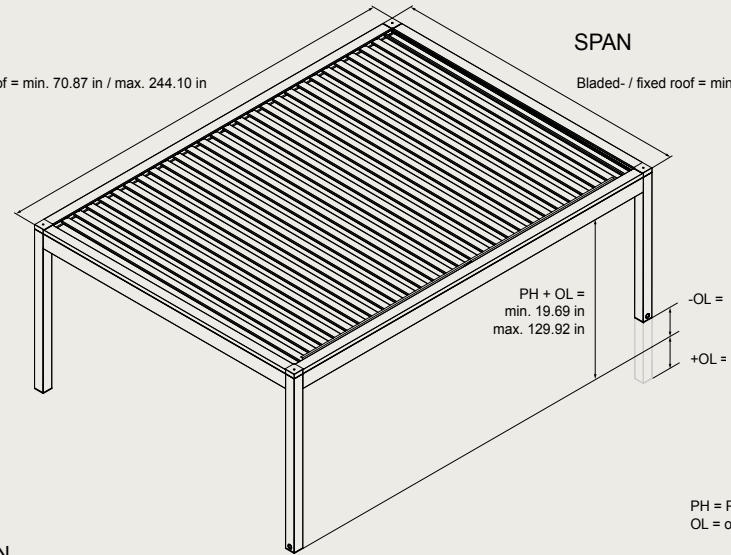


**PIVOT**  
Open construction = min. 33.46 in / max. 177.17 in

**PIVOT**  
Bladed- / fixed roof = min. 70.87 in / max. 244.10 in



**SPAN**  
Open construction = min. 33.46 in / max. 177.17 in

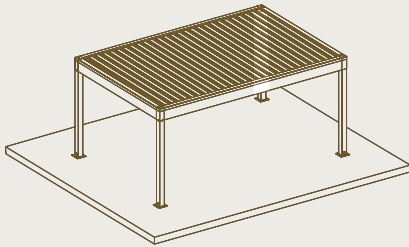


**SPAN**  
Bladed- / fixed roof = min. 39.37 in / max. 177.17 in

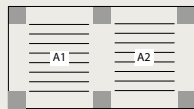
PH = Passage height  
OL = overlength

## Structure types

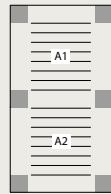
Single



Two-part coupled

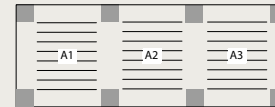


*Coupled on pivot side*



*Coupled on span side*

Three-part coupled



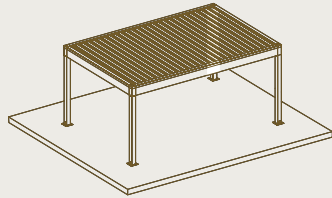
*Coupled on pivot side*



*Coupled on span side*

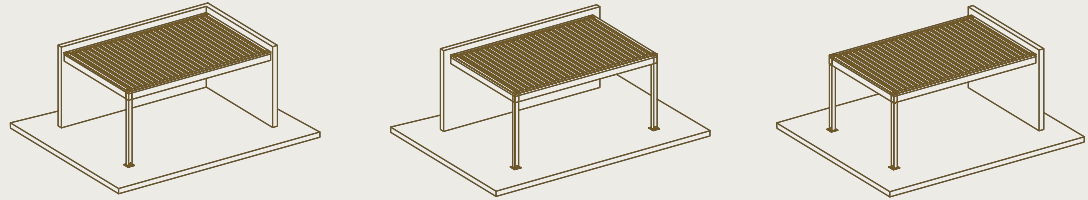
## Construction method

### Free-standing



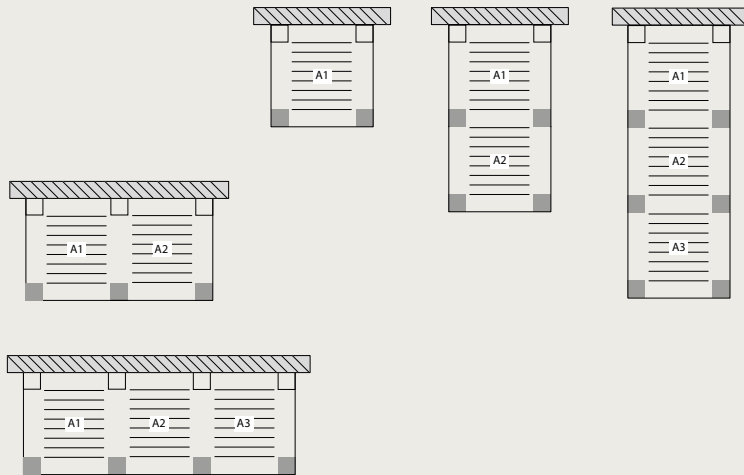
*All sides are completely detached from any walls; the cover is not mounted against any walls.*

### Wall-mounted - full length



*The full length of one (or more) sides is mounted against a wall.*

### Wall-mounted - span



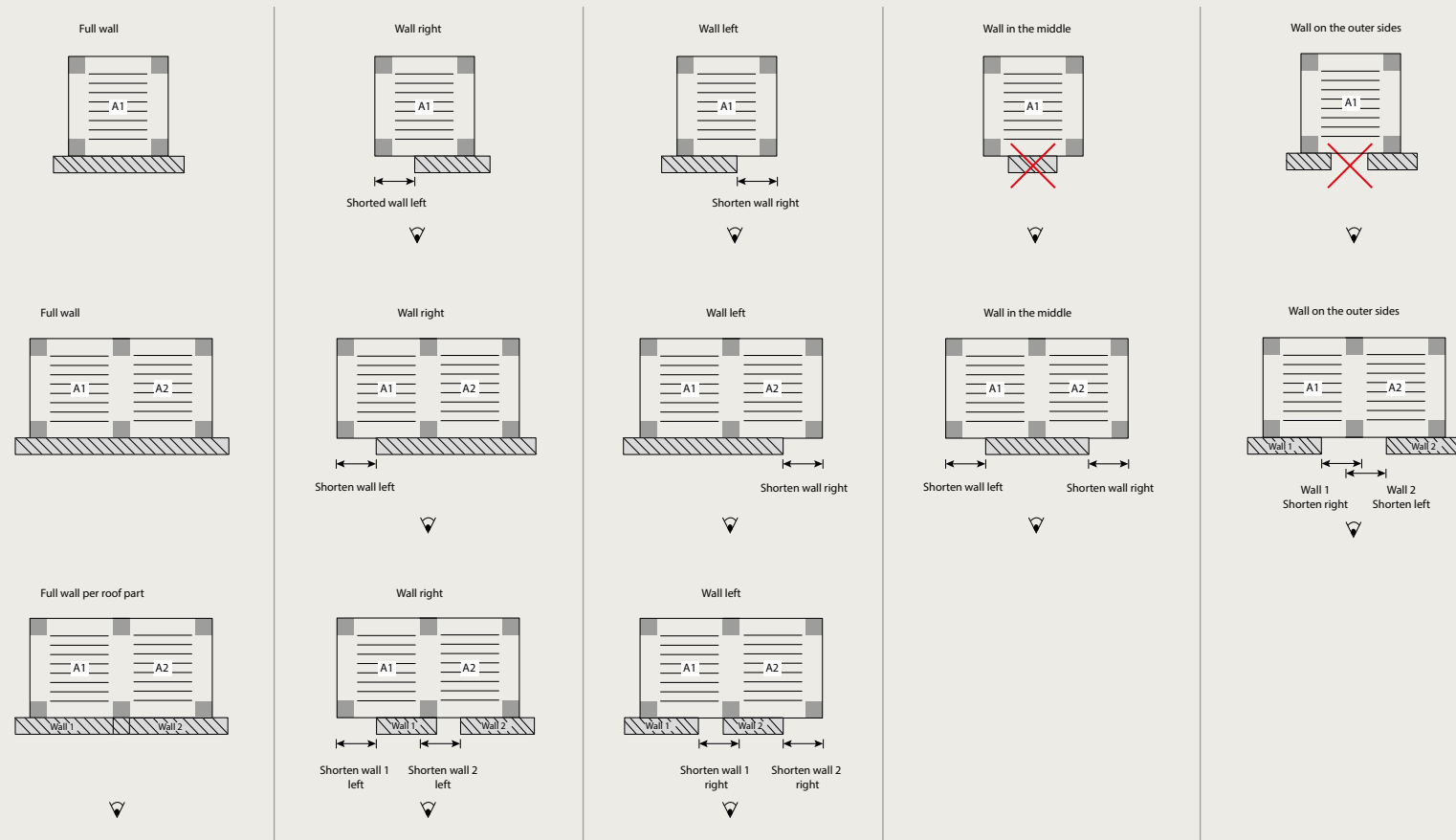
### Wall-mounted - pivot



## Construction method

### Wall-mounted - partial connection

Only part of the side is mounted against a wall. Viewed from the outside of the cover, a shorter section of the wall can be used on either the left or right side.



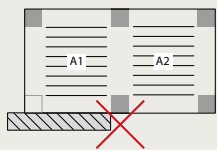
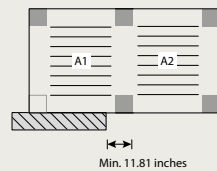
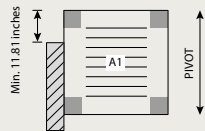
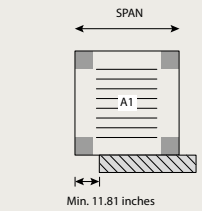
No column is required if at least 47.24 inches of the roof is supported.

In a coupled roof, no column is required if at least 47.24 inches of both roof sections are supported.

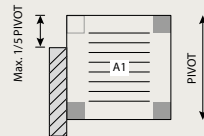
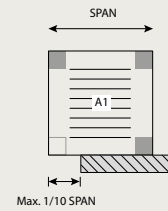
# Construction method

## Wall-mounted - partial connection

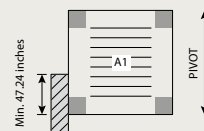
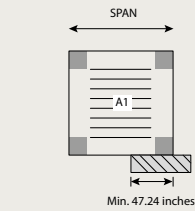
*Min. distance to corner*



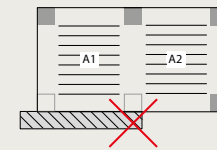
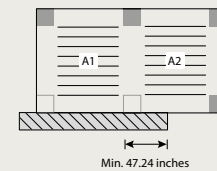
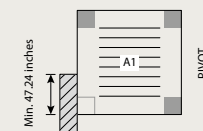
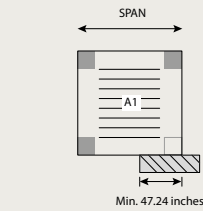
*Min. distance to corner, without column*



*Min. wall length*



*Corner without column*



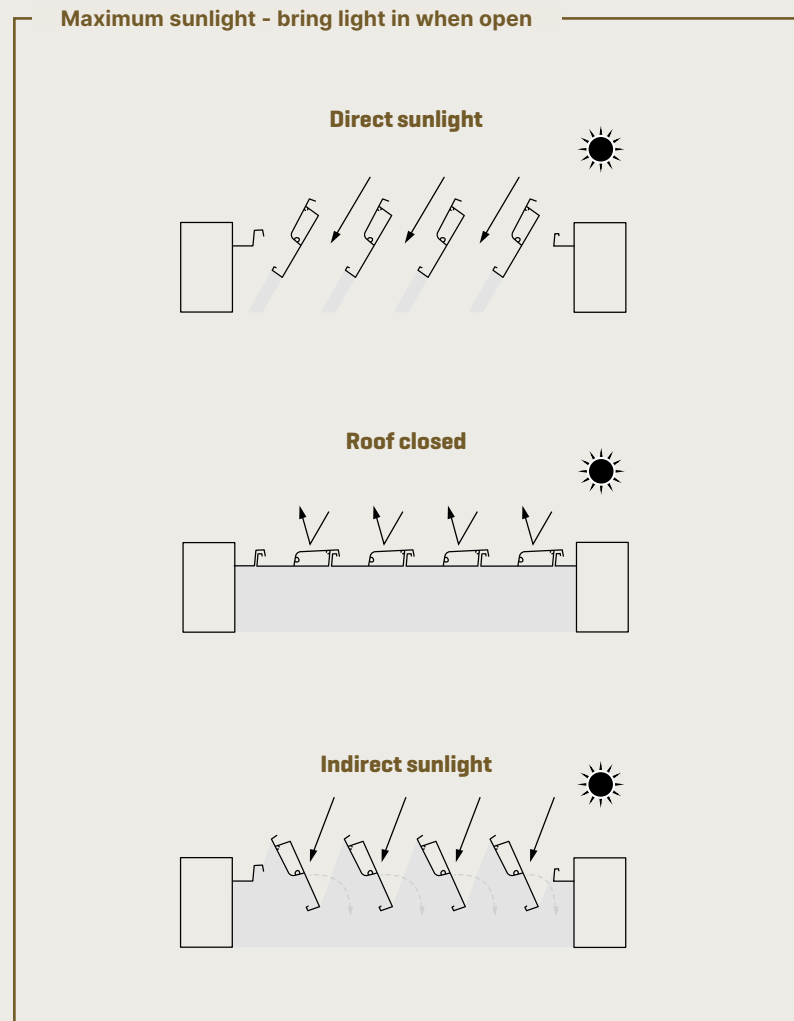
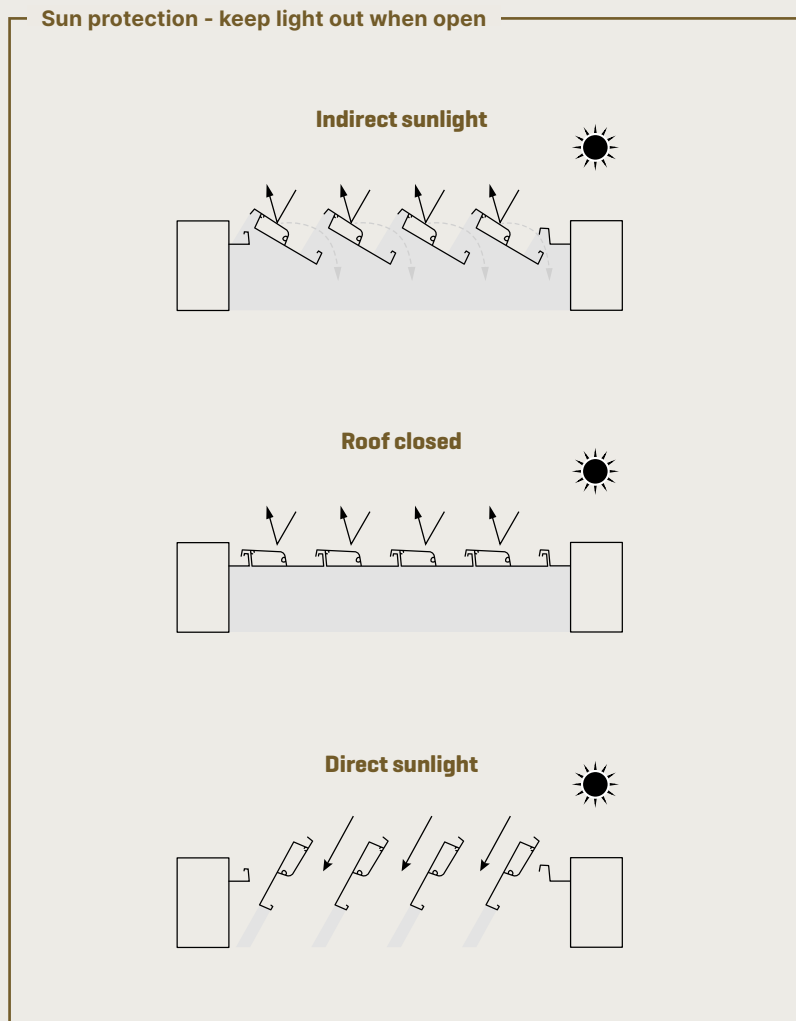
## Roof type: Bladed roof



Patio cover with rotating blades. Controlled using Renson Connect app or RTS.

- Double-walled blades for extra strength
- Welded aluminum drips, coated to match the color of the roof blades
- Specially developed gutter border prevents your patio and furniture from getting wet when the blades are opened after a rain shower
- Protecto included as standard
- Added brushes ensure the blades close silently and gently
- Blades open up to 135°
- Integrated water drainage (including UPVC drainpipes)

## Blade rotation direction

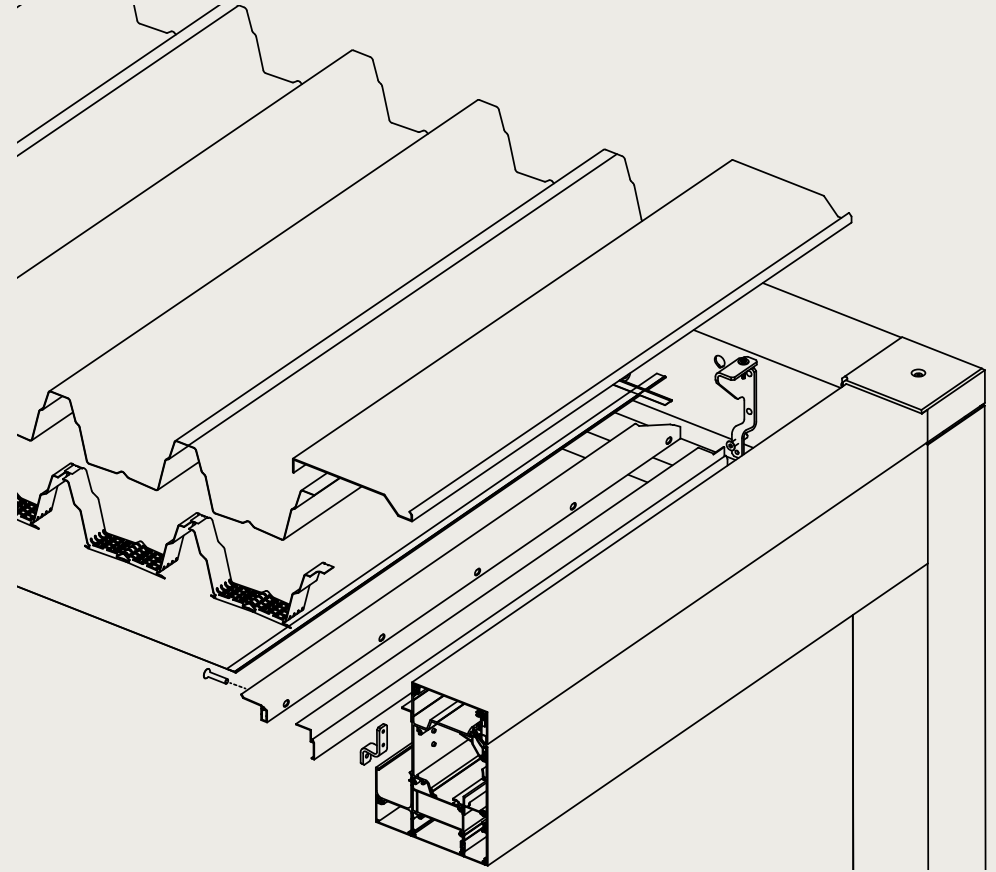
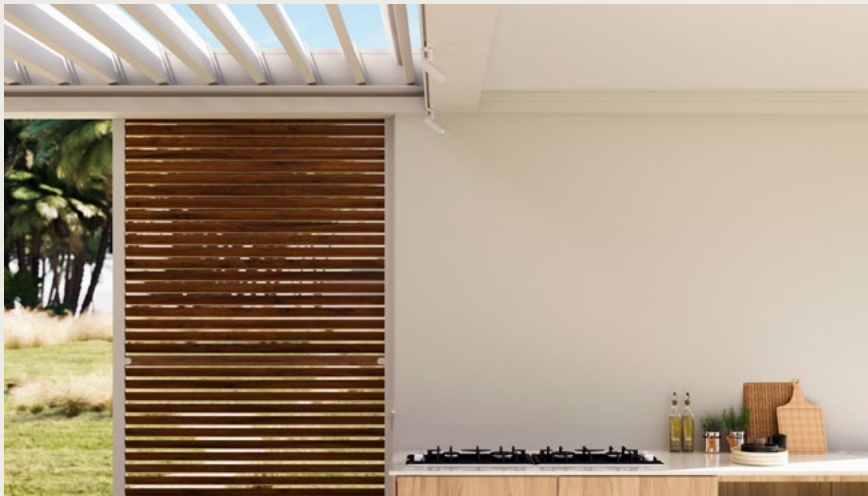


## Roof type: fixed roof

A patio cover with a fixed roof, finished with an aesthetic tension ceiling using Fixscreen technology.

- Multi-purpose: can be used as a patio cover or carport
- Protection from the sun, rain, and wind
- Sleek design
- Load-bearing and water-draining upper roof made of steel plate. The top side of the steel plate is coated in white or anthracite, while the bottom side is fitted with anti-condensation fabric
- Aesthetic lower roof finished in stretch fabric with zip technology

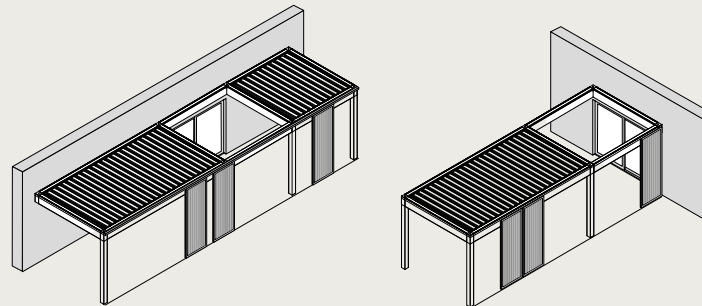
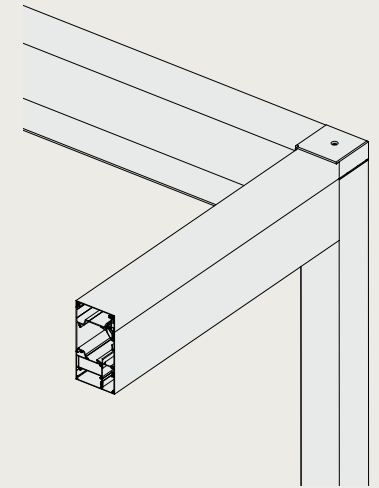
To see the full collection of fabrics, please refer to the fabric sampler (available in both physical and digital formats).



## Roof type: open structure



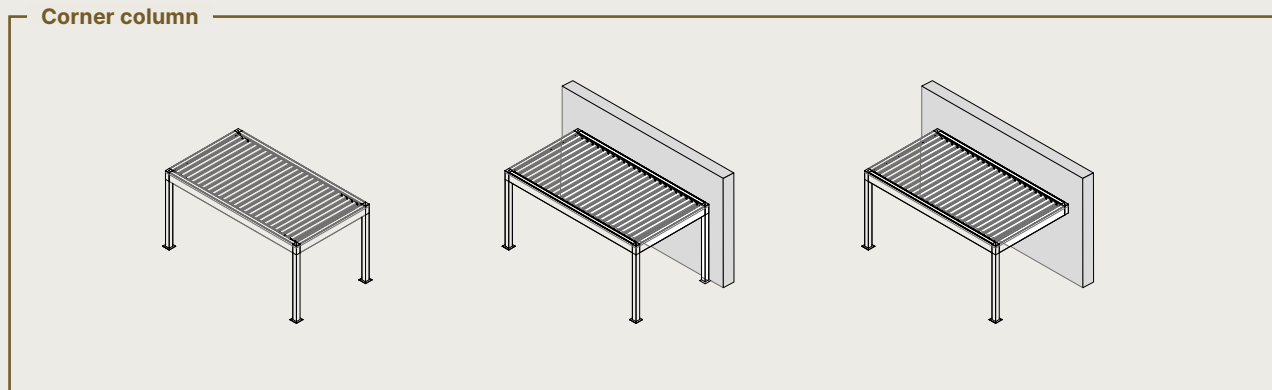
- The structure can also be left fully open to bring nature even closer to your patio and home. A tree reaching through the opening can bring greenery right into the heart of the structure, for example.
- The beams are finished as span beams, i.e., without a gutter profile.
- A gutter will only be added to the coupling pivot of the open section in a coupled pivot structure where one part is left open



## Columns

### Corner column

A column is fitted in each corner as standard. When placing the structure against a wall that provides sufficient stability, the column on that side may be omitted.



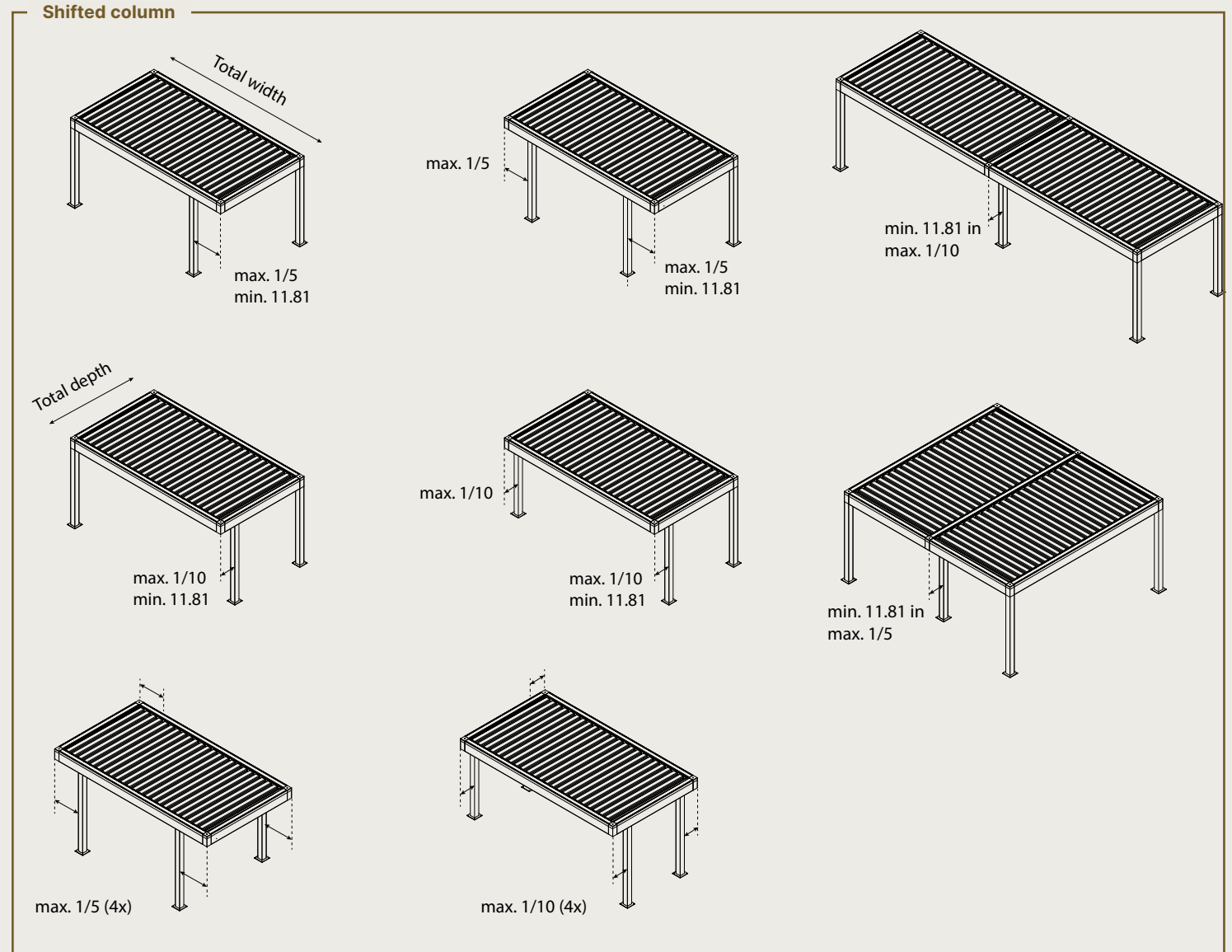
## Columns

### Shifted column

A column can be shifted:

- Widthways (pivot) across a maximum of 1/5 of the total width.
- Depthways (span) across a maximum of 1/10 of the total depth.

This guarantees the stability of the structure at all times.  
For a shifted column with Amani, you need to specify the desired distance in relation to the corner.

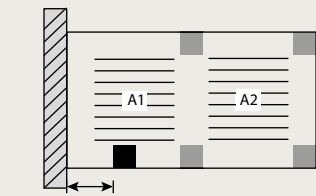


## Columns

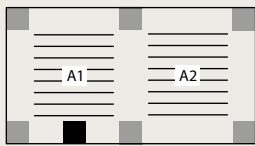
### Extra columns

By adding an additional column, one side of the patio cover is divided into two parts. The position of the extra columns can be selected in relation to the adjoining corner or to the left/right in relation to the adjoining column. Any additional column will always be a complete column including a cornice, end caps and a cover plate.

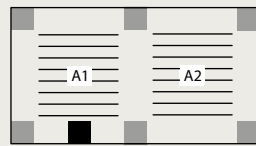
Minimum distance between two columns: 11.81 inches (measured center to center)



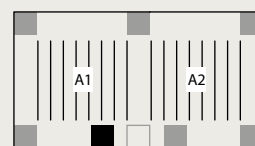
Distance to corner



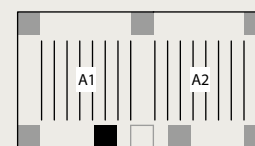
Distance to reference point left



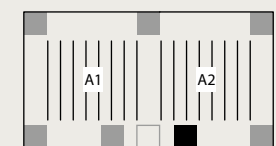
Distance to reference point right



Distance to reference point left



Distance to reference point right



Distance to reference point left

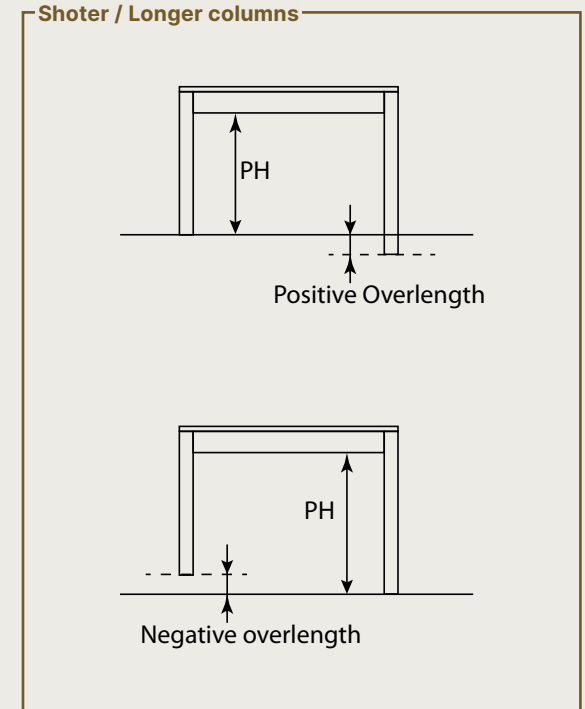
## Columns

### Shorter/longer columns

You can order a column that is longer (positive overlength) or shorter (negative overlength) than the specified passage height.

A shorter/longer column may be useful if the patio slopes up or down but the roof must remain horizontal. Alternatively, if one of the columns is to be installed on a low wall, for example, it can be shortened (negative overlength).

Positive overlength is possible up to the maximum passage height (110.24 inches) plus 19.69 inches, resulting in a total of 129.92 inches. Negative overlength is possible down to the minimum passage height of 19.69 inches.



## Columns

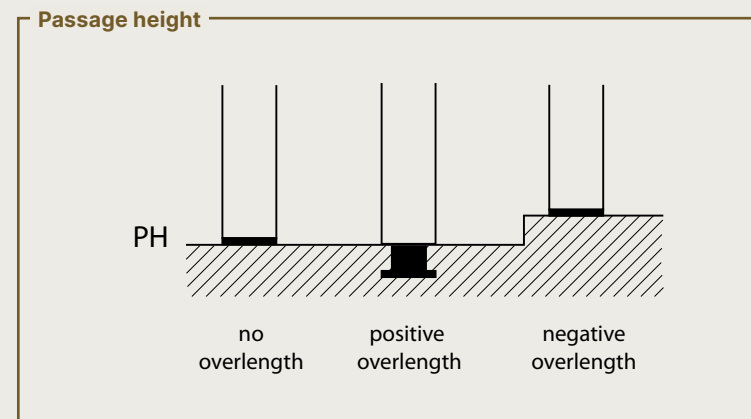
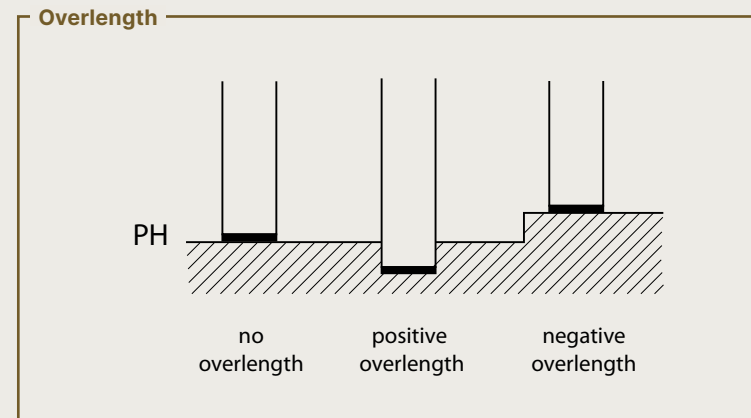
### Column finishing

Different types of column cover plates are available, depending on the adjoining inserts selected. (See "Profiles - columns" section)

In terms of the length of the column cover plates, there are two options:

- Matching any overlength  
The column cover plates always run down to the base plates. If necessary, the installer can shorten the cover plate on site where needed.
- Matching the passage height  
The column cover plates always run up to the passage height. Select this option if you know for certain how high the patio cover will be.

Only in the case of negative overlength will the cover plate also stop at the base plate.



## Columns

### Column finishing

Below are a few examples to help clarify the ideal choice of column cover plates:

#### Example 1

Installation on an existing patio with a slight slope: The base plates are to be fitted on top of the patio. The base plates are to be fitted on top of the patio.

- Option to be selected: match any overlength.

Please note: According to the Eurocode standards, the columns must be anchored in concrete. In other words, this type of installation is not permitted under Eurocode.

#### Example 2

Perfectly leveled patio to be finished after the cover is installed: to be finished after the cover is installed.

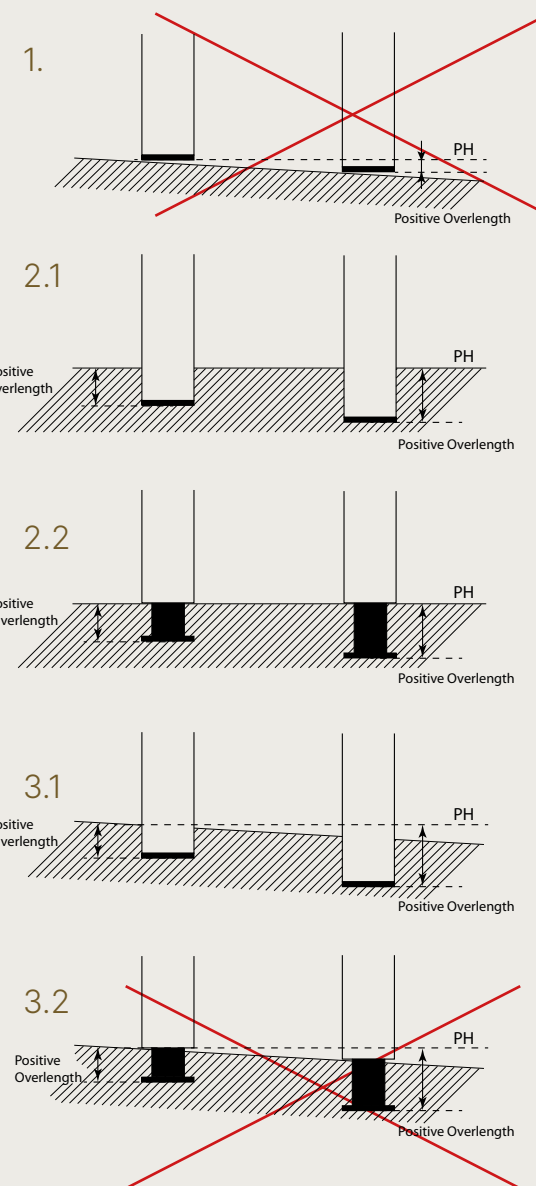
The base plates are fitted below the patio.

- Option 1: match any overlength (to be shortened on site). This option is ideal if the customer does not yet know exactly how high the patio will reach when the cover is installed.
- Option 2: match passage height. This option is ideal if the customer knows exactly how high the patio will reach.

#### Example 3

Patio with a slope to be finished after the cover is installed: The base plates will eventually be fitted below the patio. The base plates will eventually be fitted below the patio.

- Option 1: match any overlength (to be shortened on site). This option is ideal if the customer does not yet know exactly how high the patio will reach when the cover is installed.
- Option 2: match passage height. **Not recommended:** it is not possible to provide the exact length for all cover plates.



## Amani weight

Total weight (lbs) of entire Amani - bladed roof																
Pivot	Dimensions in inches	# Blades	Span													
			78.74	86.62	94.49	102.36	110.24	118.11	125.98	133.86	141.73	149.61	157.48	165.35	173.23	177.17
	108.66	10	668.00	716.50	756.00	815.71	864.21	912.71	963.42	1011.92	1062.63	1111.13	1159.63	1210.34	1258.84	1283.09
	117.13	11	683.43	731.93	780.44	831.14	879.64	930.35	978.85	1027.35	1078.06	1126.56	1175.06	1225.77	1274.27	1298.52
	125.59	12	698.86	747.37	795.87	846.57	895.08	945.78	994.28	1042.79	1093.49	1141.99	1192.70	1241.20	1289.70	1316.16
	134.06	13	714.30	762.80	813.50	862.01	912.71	961.21	1009.72	1060.42	1108.92	1157.43	1208.13	1256.63	1305.14	1331.59
	142.52	14	729.73	780.44	828.94	879.64	928.15	976.65	1027.35	1075.85	1124.36	1175.06	1223.56	1272.07	1322.77	1347.02
	150.98	15	747.37	795.87	844.37	895.08	943.58	994.28	1042.79	1091.29	1141.99	1190.49	1239.00	1289.70	1338.20	1362.46
	159.45	16	762.80	811.30	859.80	910.51	959.01	1009.72	1058.22	1106.72	1157.43	1205.93	1256.63	1305.14	1353.64	1380.09
	167.91	17	778.23	826.73	877.44	925.94	979.44	1025.15	1073.65	1122.15	1172.86	1221.36	1272.07	1320.57	1369.07	1395.52
	176.38	18	793.66	842.16	892.87	941.37	992.08	1040.58	1091.29	1139.79	1188.29	1236.79	1287.50	1336.00	1386.71	1410.96
	184.84	19	809.10	859.8	908.30	959.01	1007.51	1056.01	1106.72	1155.22	1203.72	1254.43	1305.14	1353.64	1402.14	1426.39
	193.31	20	826.73	875.23	923.74	974.44	1022.94	1073.65	1122.15	1170.65	1221.36	1269.86	1318.36	1369.07	1417.57	1441.82
	201.77	21	842.16	890.67	941.37	989.87	1038.38	1089.08	1137.58	1186.09	1236.79	1285.29	1336.00	1384.50	1433.0	1459.46
	210.24	22	857.60	906.10	956.81	1005.31	1056.01	1104.51	1153.02	1203.72	1252.22	1300.73	1351.43	1399.93	1448.44	1474.89
	218.7	23	873.03	923.74	972.24	1022.94	1071.45	1119.95	1170.65	1219.15	1267.66	1318.36	1366.86	1417.51	1466.07	1490.32
	227.17	24	888.45	939.17	987.67	1038.38	1086.88	1137.58	1186.09	1234.59	1285.29	1333.80	1382.30	1433.0	1481.5	1505.76
	235.63	25	906.10	954.60	1003.10	1053.81	1102.31	1153.02	1201.52	1250.02	1300.73	1349.23	1397.73	1448.44	1496.94	1521.19
	244.09	26	921.53	970.03	1020.74	1069.24	1117.74	1168.45	1216.95	1265.45	1316.16	1364.66	1415.37	1463.87	1512.37	1538.82

**Total weight (lbs) of entire Amani - fixed roof**

		Span														
Pivot	Dimensions in mm	#Blades	78.74	86.62	94.49	102.36	110.24	118.11	125.98	133.86	141.73	149.61	157.48	165.35	173.23	177.17
	108.66	10	12.13	12.44	12.76	13.07	13.39	13.17	14.02	14.33	14.69	15.00	15.31	15.63	15.94	16.10
	117.13	11	12.44	12.76	13.07	13.39	13.70	14.02	14.33	14.65	14.96	15.28	15.63	15.94	16.26	16.42
	125.59	12	12.76	13.07	1.39	13.70	14.02	14.33	14.65	14.96	15.28	15.63	15.94	16.26	16.57	16.73
	134.06	13	13.03	13.35	13.66	13.98	14.33	14.65	14.96	15.28	15.59	15.91	16.22	16.54	16.85	17.05
	142.52	14	14.65	14.96	15.28	15.59	15.91	16.22	16.54	16.85	17.17	17.52	17.83	18.15	18.46	18.62
	150.98	15	14.92	15.24	15.55	15.91	16.22	16.54	16.85	17.17	17.52	17.83	18.15	18.46	18.78	19.94
	159.45	16	15.24	15.55	15.87	16.22	16.54	16.85	17.17	17.48	17.83	18.15	18.46	18.78	19.09	19.29
	167.91	17	15.55	15.87	16.22	16.54	16.85	17.17	17.48	17.83	18.15	18.46	18.78	19.09	19.41	19.57
	176.38	18	17.13	17.44	17.76	18.11	18.43	18.74	19.06	19.37	19.72	20.04	20.35	20.71	21.02	21.18
	184.84	19	17.44	17.80	18.11	18.43	18.74	19.09	19.41	19.72	20.04	20.35	20.71	21.02	21.34	21.50
	193.31	20	17.76	18.07	18.39	18.74	19.06	19.41	19.72	20.04	20.35	20.67	20.98	21.30	21.65	21.81
	201.77	21	19.33	19.69	20.00	20.31	20.63	20.98	21.30	21.61	21.93	22.28	22.60	22.91	23.23	23.43
	210.24	22	19.65	19.96	20.28	20.63	20.94	21.26	21.61	21.93	22.24	22.56	22.91	23.23	23.54	23.74
	218.7	23	19.96	20.28	20.59	20.94	21.26	21.57	21.93	22.24	22.56	22.91	23.23	23.54	23.86	24.06
	227.17	24	21.54	21.85	22.20	22.52	22.83	23.19	23.50	23.82	24.17	24.49	24.80	25.16	25.47	25.63
235.63	25	21.85	22.17	22.48	22.83	23.15	23.46	23.82	24.13	24.45	24.80	25.12	25.47	25.79	25.94	
244.09	26	22.17	22.48	22.80	23.15	23.46	23.82	24.13	24.45	24.80	25.12	25.43	25.79	26.10	26.26	

Total weight (lbs) of entire Amani - No roof infill																
Span																
Pivot	Dimensions in inches	#Blades	78	86	94	102	110	118	126	134	142	149	157	165	173	177
	108,6	10	332	346	357	370	384	397	408	421	434	448	459	472	485	492
	117	11	348	362	373	386	399	412	423	437	450	461	474	487	500	507
	125	12	363	377	388	401	414	428	439	452	465	478	489	503	516	522
	134	13	379	392	403	417	430	443	454	467	481	492	505	518	531	538
	142	14	394	408	419	432	445	459	470	483	496	509	520	534	547	553
	150	15	410	423	434	448	461	474	485	498	511	525	536	549	562	569
	159	16	425	439	450	463	476	489	500	514	527	540	551	564	578	584
	168	17	441	454	465	478	492	505	516	529	542	556	567	580	593	599
	176,3	18	456	470	480	494	507	520	531	545	558	569	582	595	608	615

The table above shows the weight of the frame, not including the weight of the columns and mounting feet. Each column in the configuration adds an additional weight of 12.50 kg per meter (27.56 lbs per 3.2 feet) of the column.

### Weight column

Column with standard covers

27.56 lbs per 3.2 feet.

### Weight ALU base plates

Visible 270x270 mm - 20 mm / 10.63x10.63 inches

0.79 inches: 3.70 kg/ 8.16 lbs

Visible corner 210x210 mm - 20 mm / 8.27x8.27 inches

0.79 inches: 2.30 kg/ 5.07 lbs

Invisible 150x150 mm - 20 mm/ 5.91x5.91 inches

0.79 inches: 1.00 kg/2.20 lbs

# DESIGN

## Design styles and colors



Amani can be finished in one of our six design styles, ensuring that all materials and colors are perfectly matched.

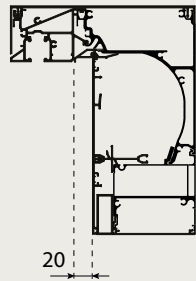
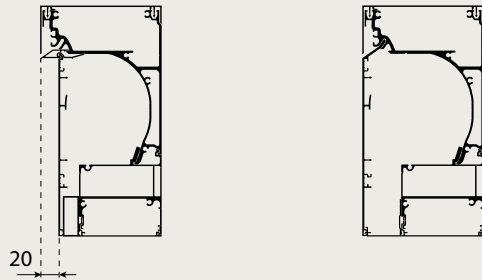
The look and feel of each design style perfectly match the latest trends:

- Crystal Lounge: sleek and minimalistic
- Tech Cocoon: radical, contemporary and young
- Pure Essence: light and space
- Earth Oasis: instant holiday
- Spiritual Harmony: minimalistic and intimate
- Idyllic Garden: subtle shades of grey and green

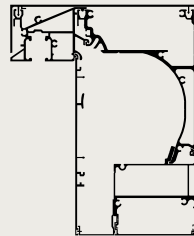
For more information on the colors and materials used, please refer to our color guide.

## Front cover version

Visual aspect with a choice between a standard front cover or a design(recessed) front cover. The design front cover is not possible when combined with certain inserts, such as canopy, Fixscreens, Loggia sliding panels with three rails.



*Design front cover*



*Standard front cover*



*Standard front cover*



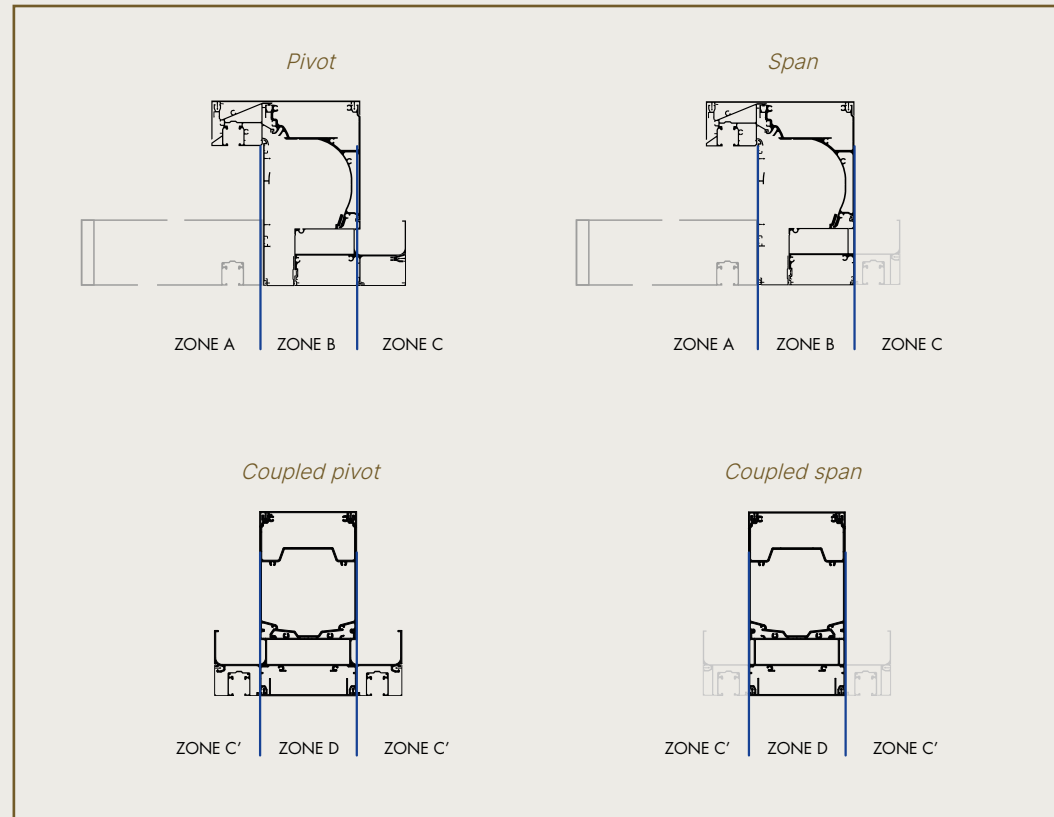
*Design front cover*

# ACCESSORIES

## Overview



To ensure clarity regarding inserts, it helps to divide the beam into different zones. More details on the possible combinations of inserts is provided below.



Zone A: in front of the frame  
Zone B: below the frame  
Zone C: below the gutter/surface-mounted profile  
Zone C': below the gutter/surface-mounted profile on a coupling beam  
Zone D: below the coupling beam

## Overview



Inserts in front of the frame		Zone A	
Loggia folding wall		✓	
Loggia sliding panels		✓	
Loggia fixed wall		✓	
Inserts below the frame		Zone B	Zone D
Amani integrated Fixscreen		✓	-
Outdoor Loggia folding wall		-	✓
Outdoor Loggia sliding panels		✓	✓
Outdoor Loggia fixed panel		✓	✓
Glass sliding panels		✓	-
Fixed wall		✓	✓
Outdoor curtains		✓	-
Inserts below the gutter		Zone C, C'	
Outdoor curtains		✓	
Door (as part of fixed wall with door)		✓	
Focus lights		✓	

## Overview



Lighting			Backorder
Spotlights	✓		-
Lineo LED	✓		-
LED beam in fixed roof	✓		-
Iconic LED	✓		-
Mood LED roof	✓		-
Down LED	-		-
Colomno LED	-		-
Indirect wall LED	✓		-
Comfort			Backorder
Lineo Luce	✓		-
Lineo Fix	✓		-
Lineo Heat	✓		-
Electrical outlet	✓		-
Beam Heat & Sound	-		-
Protecto protective profile	✓		-
Waterproof wall connection	-		-
Automation			Backorder
Rain sensor	✓		-
Wind sensor	✓		-
Sun sensor	-		-
Styling			Backorder
Classic Line	-		-
Wood-design roof blades	✓		-
Columns			Backorder
Extra column	✓		-
Shifted column	✓		-
Adjustable wall column	-		-

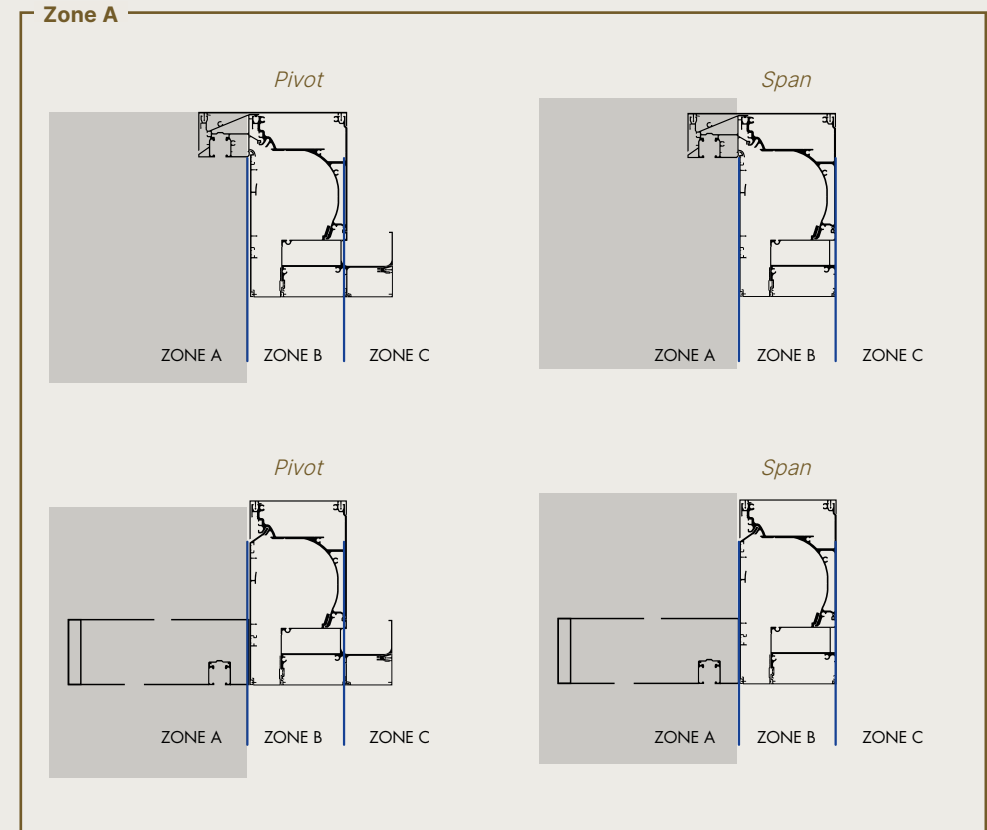
## Possible combinations

### Zone A- Inserts in front of the frame

- No inserts
- Loggia (folding, sliding, fixed)
- Door (part of fixed wall with door)
- Canopy
- Canopy + Loggia
- Canopy + door (part of fixed wall with door)

### Note

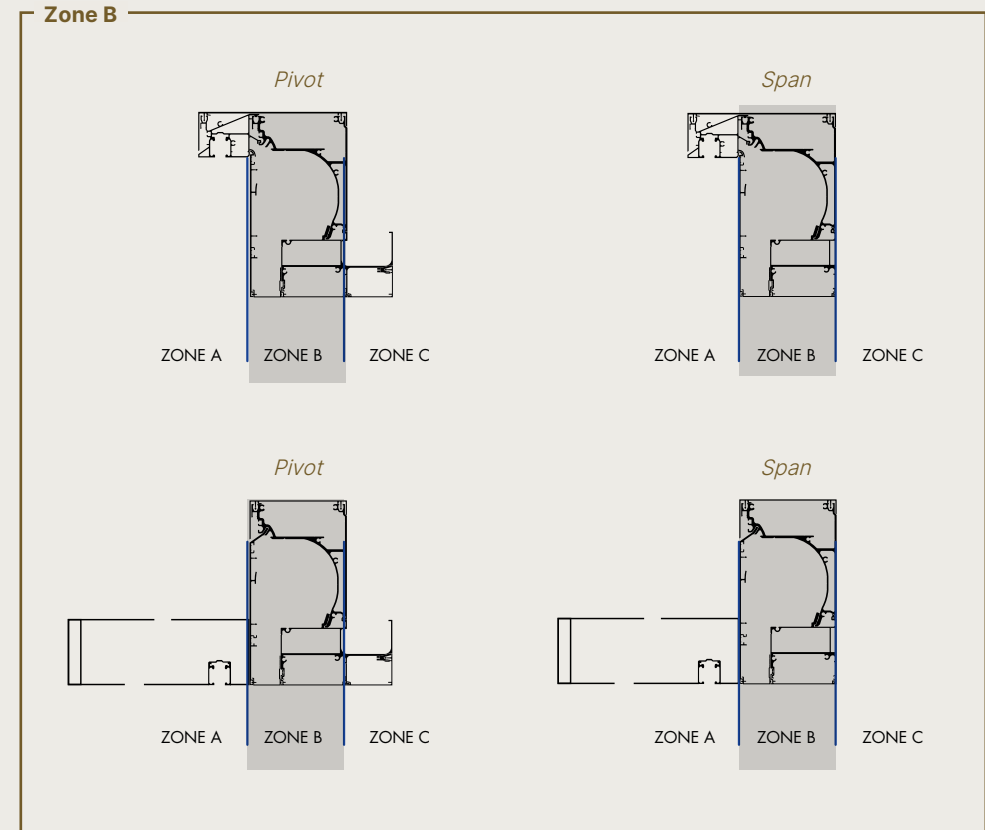
A Loggia rail or canopy in Zone A always extends along the full length of the side. This also applies to coupled roof sections.



## Possible combinations

### Zone B - Inserts below the frame

- No inserts
- Fixscreen
- Loggia sliding panels (2 or 3 rails)
- Loggia fixed
- Glass sliding panels (4 or 5 rails)
- Fixed wall (with or without door)
- Curtains
- Fixscreen + Loggia sliding panels (2 rails)
- Fixscreen + Loggia fixed
- Fixscreen + glass sliding panels (4 or 5 rails)
- Fixscreen + curtains

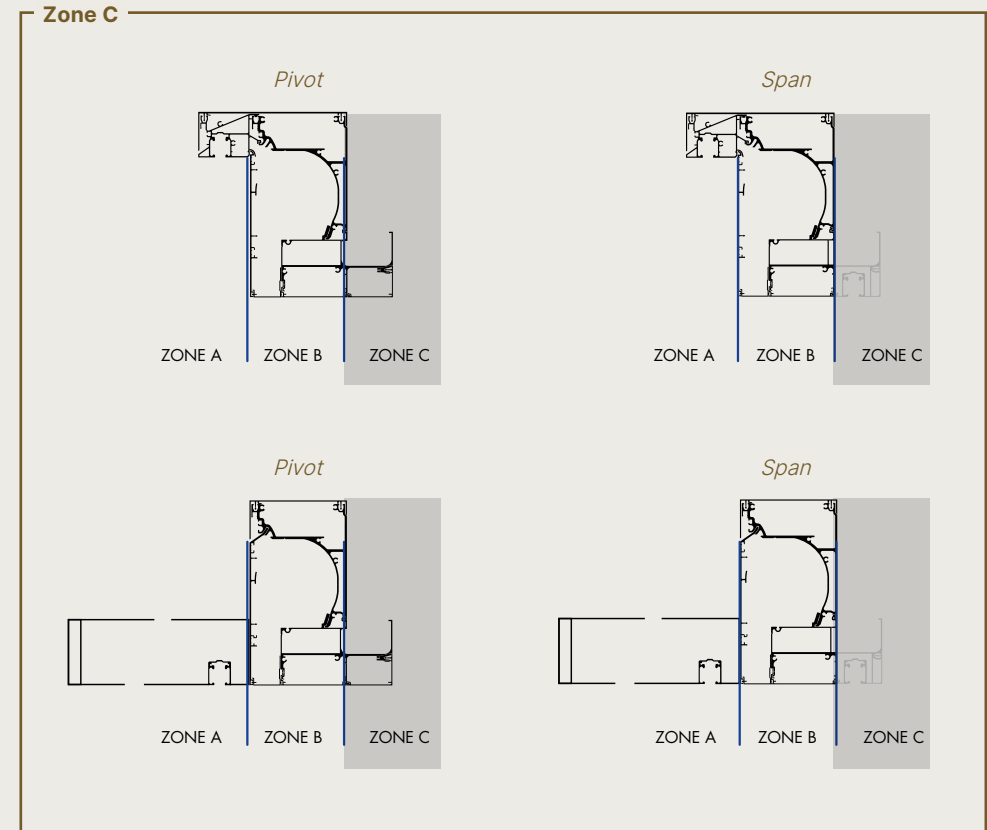


## Possible combinations

### Zone C - Inserts below the gutter

This is the zone right below the gutter. On the pivot side, this zone is always present. On the span side, Zone C can be added if necessary using a non-functional screw-mounted profile (without water drainage).

- No inserts
- Curtain (if Zone B is used)
- Door (part of wall with door)
- Spot lighting

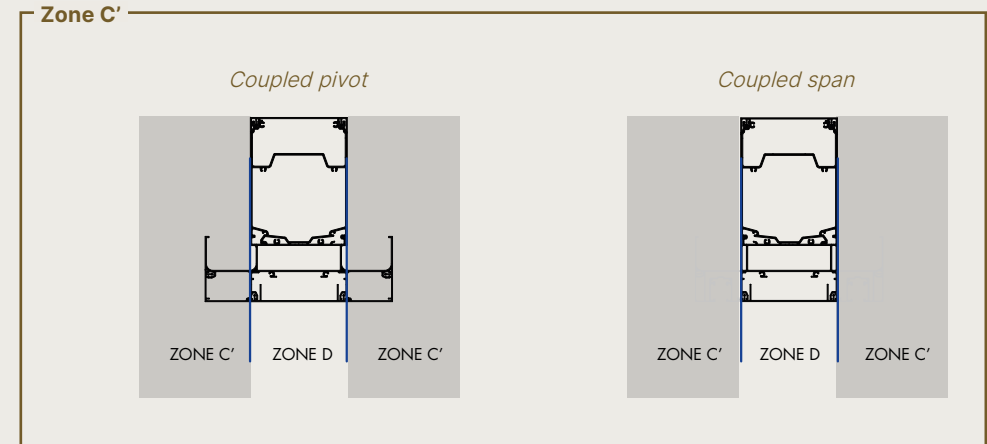


## Possible combinations

### Zone C' - Inserts below the gutter

This is the zone below the gutter of the coupling pivot. On a coupled span side, Zone C can be added if necessary using a non-functional screw-mounted profile (without water drainage).

- No inserts
- Curtain (if Zone D is used)
- Door (part of fixed wall with door)
- Spot lighting

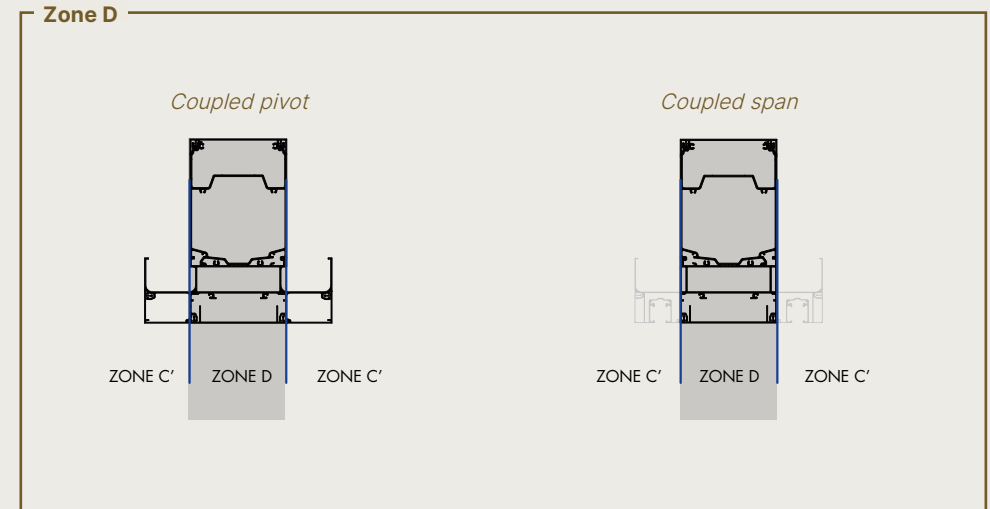


## Possible combinations

### Zone D - inserts below the coupling beam

Similar to Zone B, but the gutter in the coupling beam limits the possibilities.

- No inserts
- Curtains
- Loggia folding wall
- Loggia sliding panels (2 rails)
- Loggia fixed
- Fixed wall
- Fixed wall with door



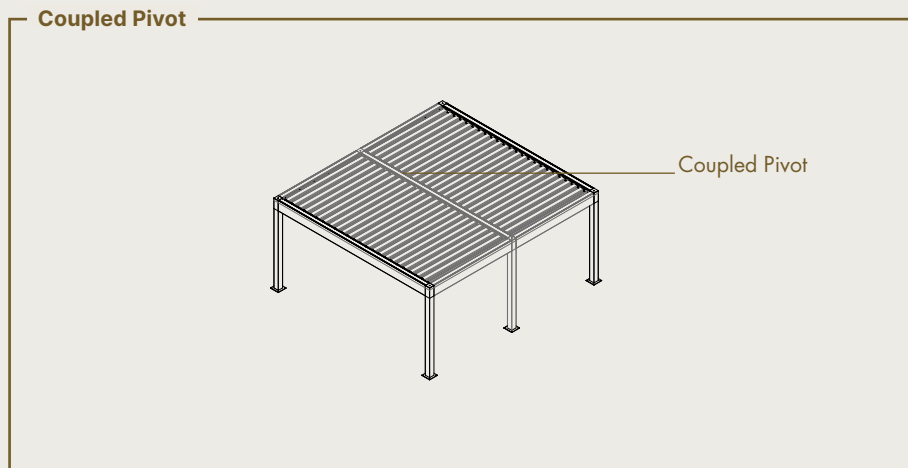
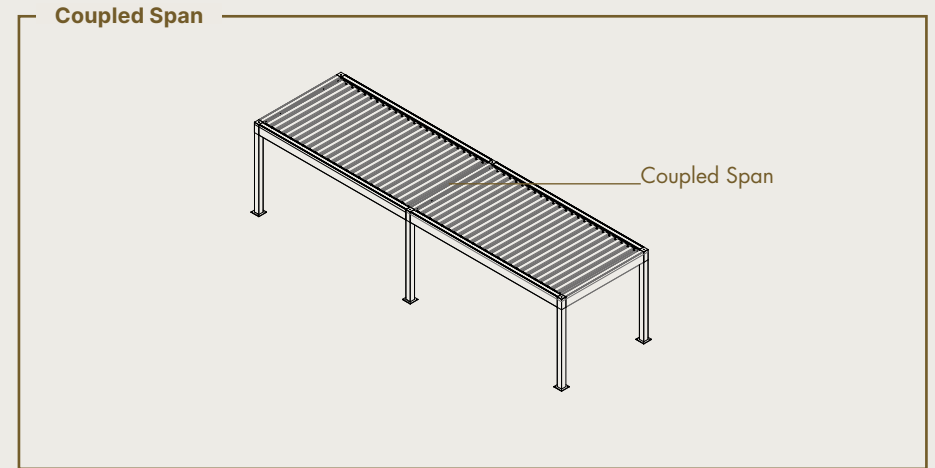
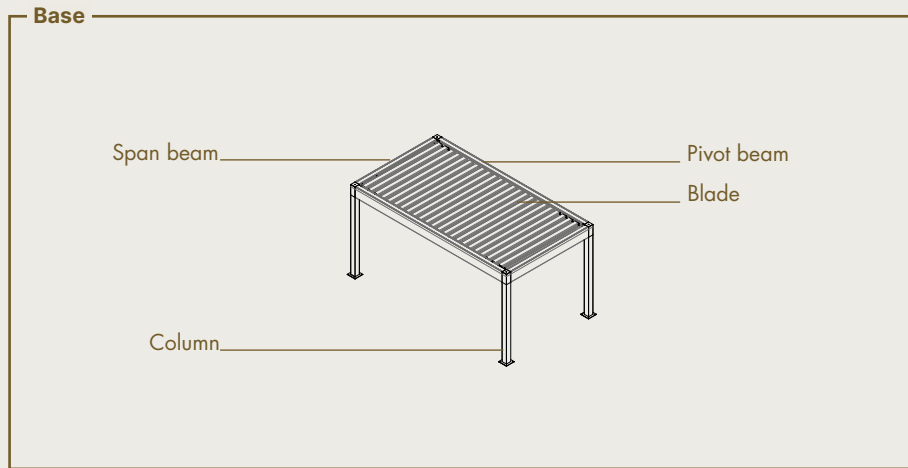
# TECHNICAL SPECIFICATIONS



Dimensions			
Span (depth)	Bladed roof / fixed roof	min. 3.28 feet	max. 14,76 feet
	Open structure	min. 2.79 feet	max. 14.76 feet
Pivot (width)	Bladed roof / fixed roof	min. 5.91 feet	max. 20.34 feet
	Open structure	min. 33.46 in	max. 14.76 feet
Passage height + overlength (2800 + 500)		min. 19.69 in	max. 10.83 feet
Column overlength – positive			max. 19.69 in
Column overlength – negative			max. 19.69 in
Total height with blades closed		Passage height + overlength + 11.22 in	
Total height with blades open through 90°		Passage height + overlength + 14.96 in	
Min. height when installed under a roof overhang		Passage height + 15.35	
Blade rotation		Max. 135°	
Minimum number of water drainage points < 172.22 ft² *		1	
Minimum number of water drainage points >172.22 ft² *		2	
Operating methods			
Somfy RTS		✓	
Electrical bladed roof drive			
Parameters		Value	
Supply voltage		110 Volt AC, 60 Hz	
Transformer current range		0 – 2.5 A	
Transformer power		100 W	
Motor voltage		24 Volt DC	
Motor nominal current		3 Ampère	
Protection rating		IP 66	
Maximum running time with continuous use		approx. 2 minutes	
Automatic		16 A Curve C	

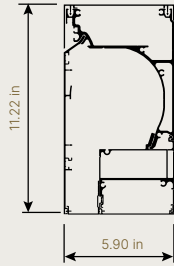
\* on the lowest side of the blades

## Profiles - Base

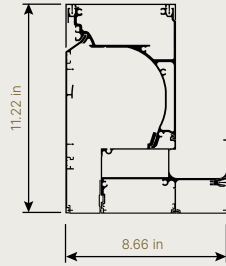


# Profiles - Base

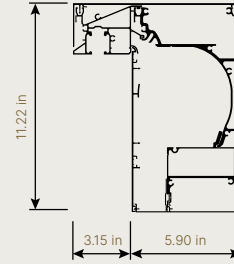
## Free-standing beam



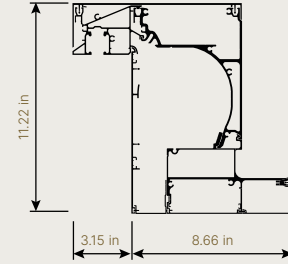
Span beam



Pivot beam

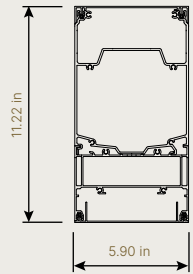


Span beam

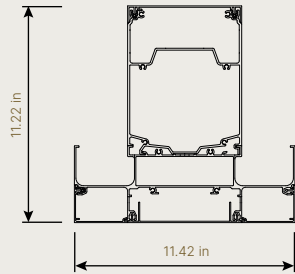


Pivot beam

## Coupled beam

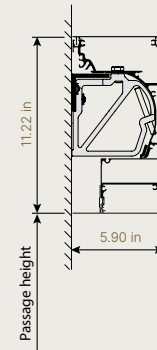


Span beam

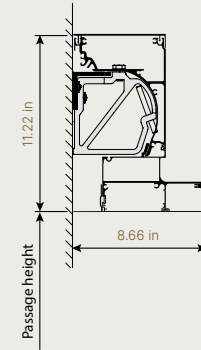


Pivot beam

## Wall-mounted



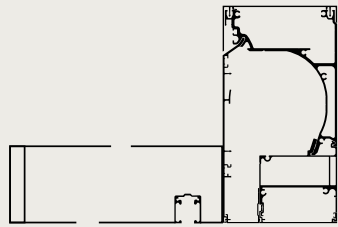
Span beam



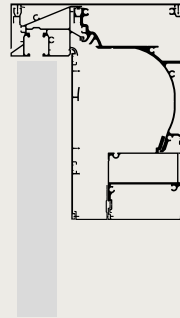
Pivot beam

## Profiles - with inserts in front of the beam (Zone A)

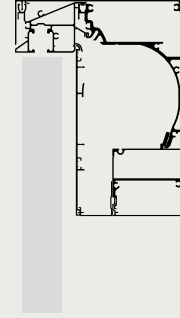
### Span beam - single



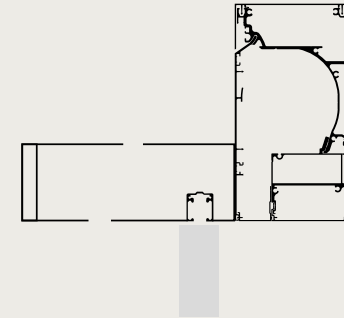
*Canopy*



*Loggia  
(sliding, fixed or folding panels)*

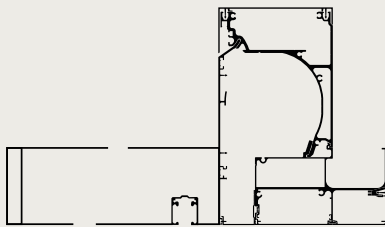


*Door  
(part of fixed wall with door)*

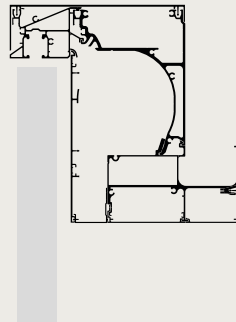


*Canopy + Loggia (sliding, fixed or folding panels) or  
door (part of fixed wall with door)*

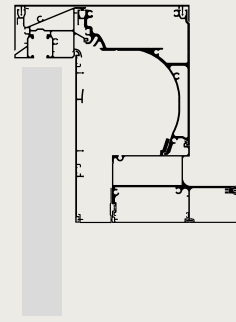
### Pivot beam - single



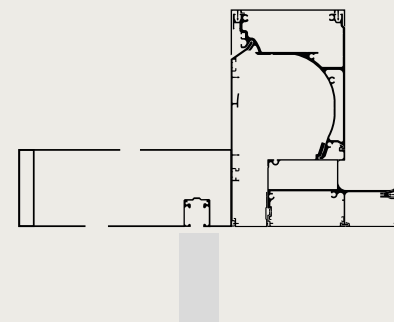
*Canopy*



*Loggia  
(sliding, fixed or folding panels)*



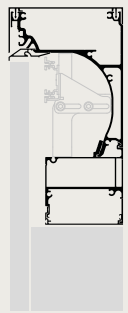
*Door  
(part of fixed wall with door)*



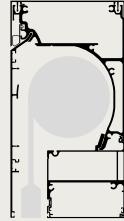
*Canopy + Loggia (sliding, fixed or folding panels) or  
door (part of fixed wall with door)*

## Profiles - with inserts below the beam (Zone B)

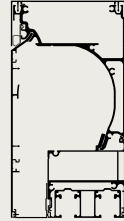
### Span beam - single



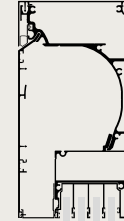
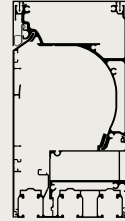
*Fixed wall*



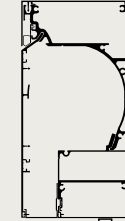
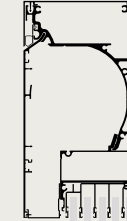
*Fixscreen*



*Loggia (sliding or fixed panels)*

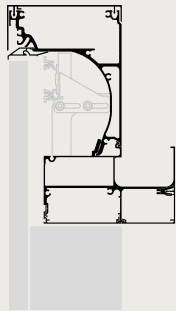


*Glass sliding panels*

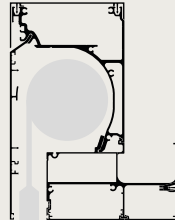


*Curtains*

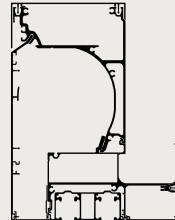
### Pivot beam - single



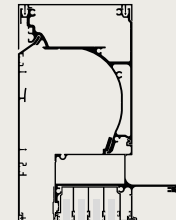
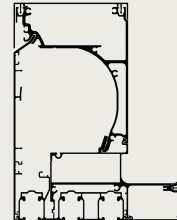
*Fixed wall*



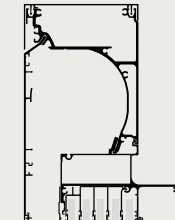
*Fixscreen*



*Loggia (sliding or fixed panels)*



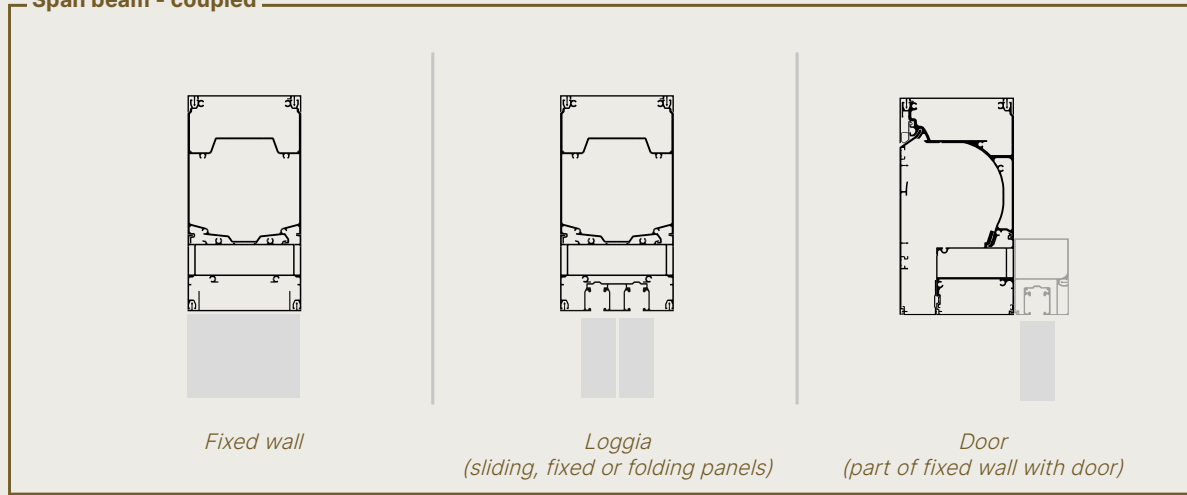
*Glass sliding panels*



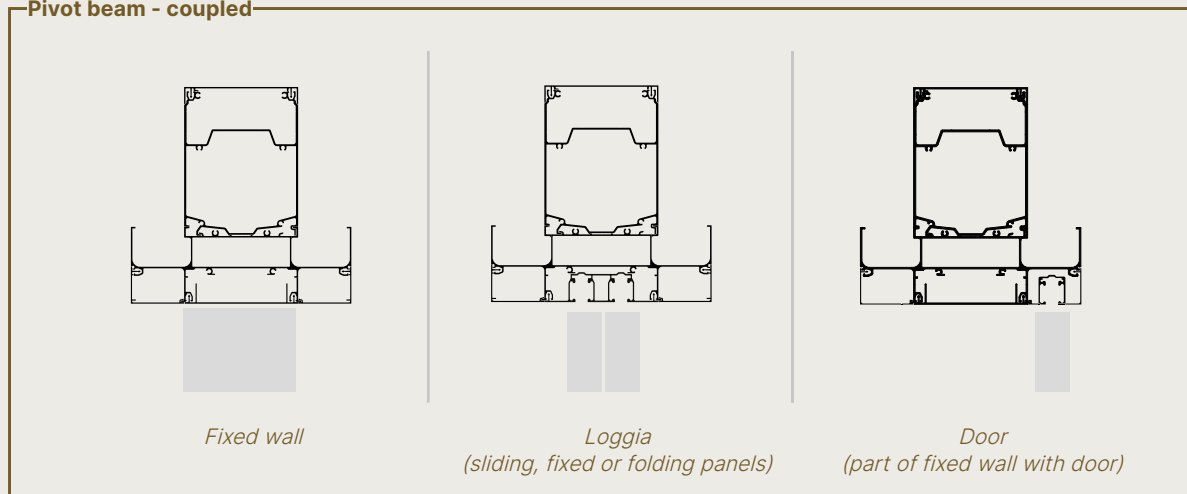
*Curtains*

## Profiles - with inserts below the beam (Zone D)

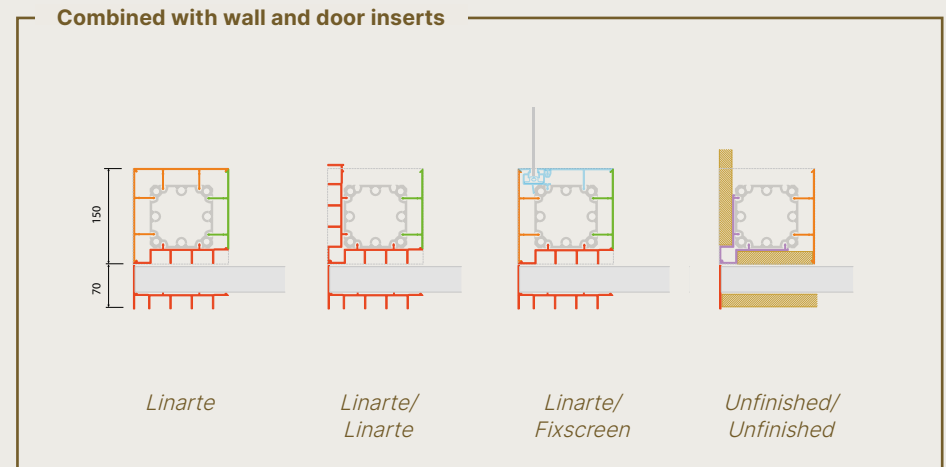
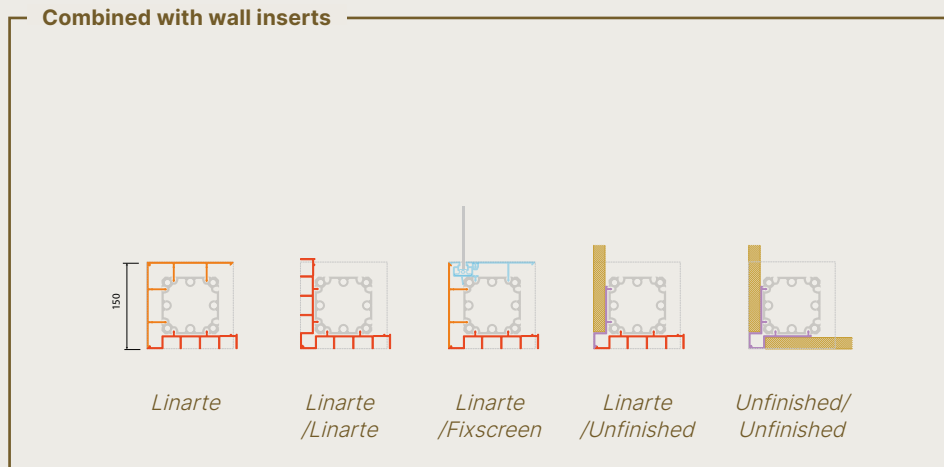
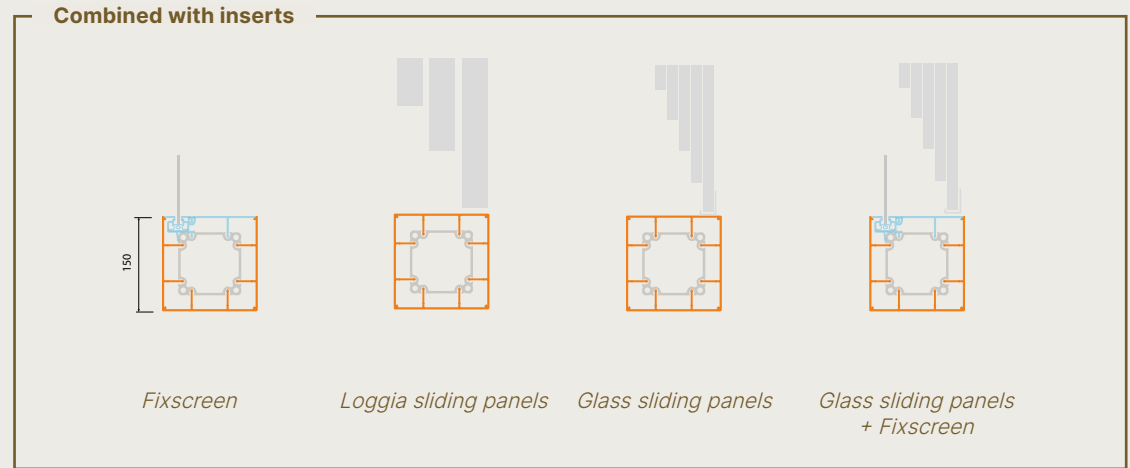
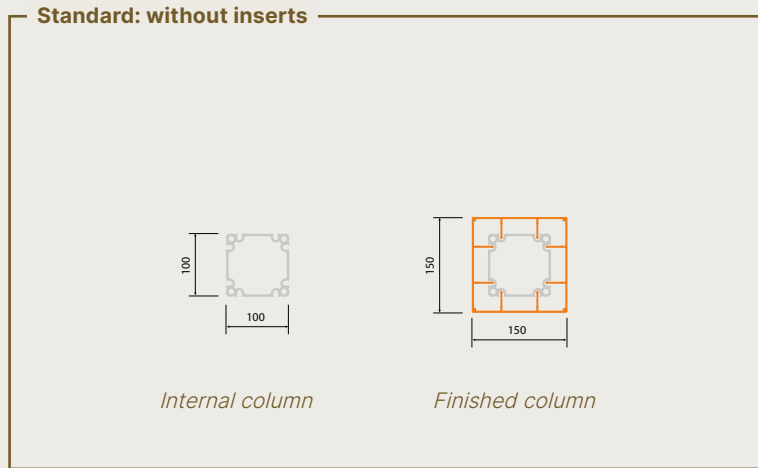
### Span beam - coupled



### Pivot beam - coupled



## Profiles - Columns and column cover plates



## Profiles - Mounting bases

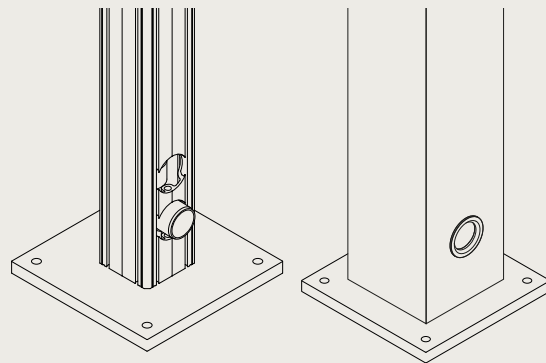
### Internal column

The internal column is fitted to the base plate and always extends to the cornice at the top. The cornice is installed directly onto the internal column to provide extra rigidity. Therefore, the choice is no longer based on the mounting bases, but rather on the base plates.

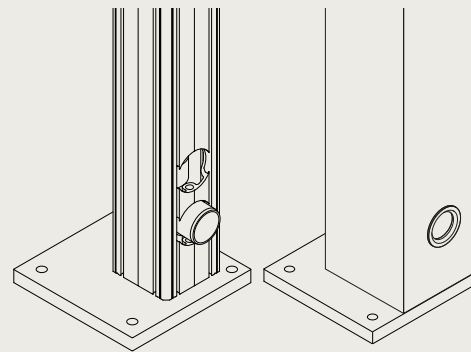
- Base plate thickness: 0.79 in
- Length of the internal column: full height

### Base plates

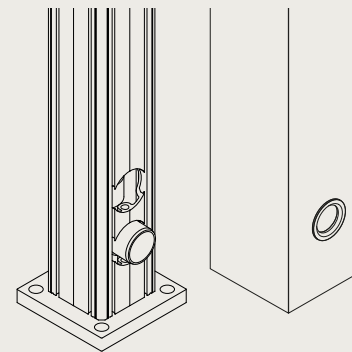
There are three variants of base plates to choose from.



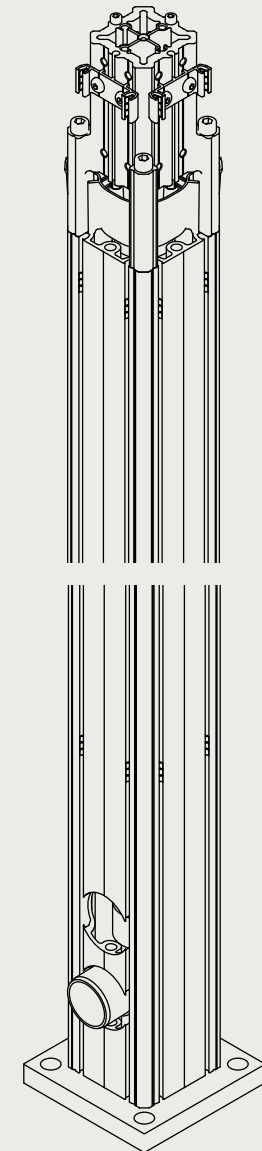
*Visible*  
10.63 × 10.63 in



*Visible - corner*  
8.27 in × 8.27 in



*Invisible*  
5.91 in × 5.91 in



## Motor position

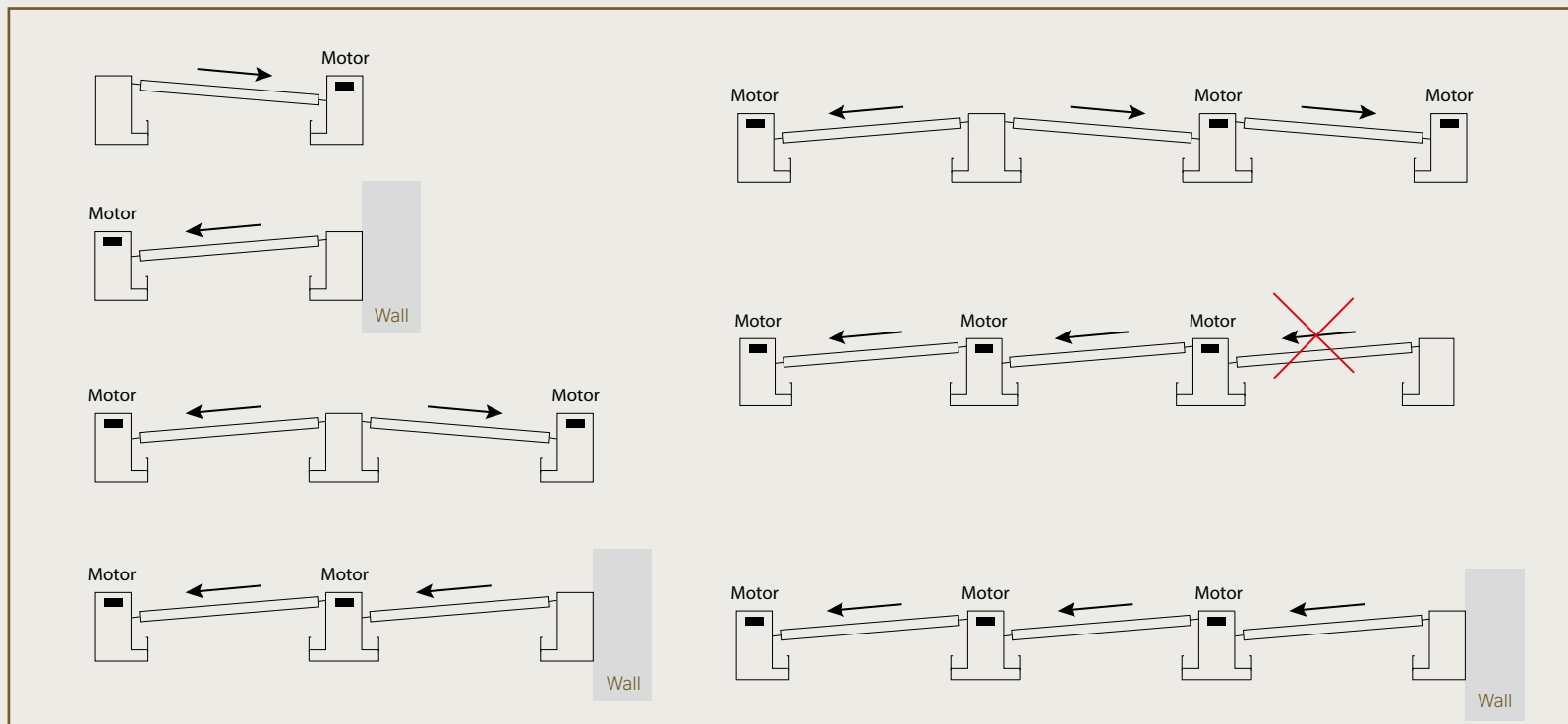
The roof blades run diagonally to ensure effective water drainage. The motor is always located on the side where the roof blades are lowest (water drainage side).

By selecting the direction in which the roof blades slope down, you also determine the placement of the motor.

At least one water drainage point must be installed on the lowest side (= motor side).

Additional drainage points can be installed on the highest side on the highest side (= non-motor side).

Positioning the motor on the lowest side ensures it remains easily accessible when the structure is wall-mounted. A pivot side on the wall will always be the high side of the roof blades.

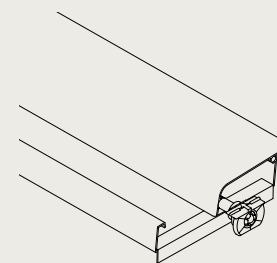
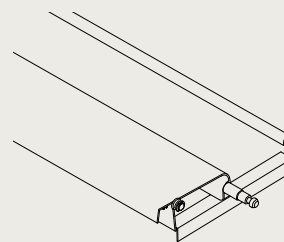
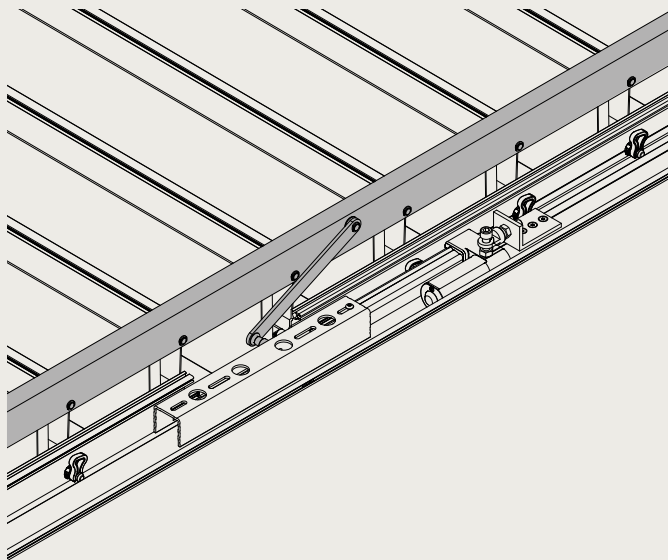
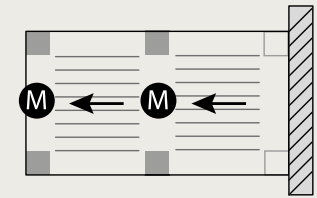
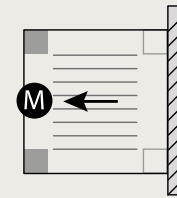
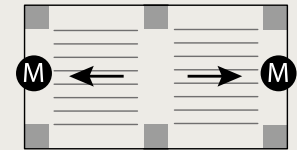
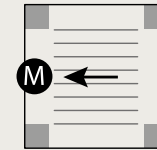


## Motor drive

The motor is centrally located on the pivot beam and is connected to the driving profile using a motor arm. The driving profile connects to to each blade individually. In other words, unlike in Camargue, the motor is not connected to just one blade.

On a coupling beam, only one motor is possible.

The central placement of the motor provides more flexibility in using different types of blades. different types of blade. It also eliminates the distinction between drive blades and normal blades.



## Water drainage

Water is drained through an integrated drainpipe in the columns of your choice. For patio covers as of 172.22 ft<sup>2</sup>, a minimum of two drainages per roof section is required, with at least one on the lower side of the blades (motor side). On the lower side of the blades (motor side). For dimensions < 172.22 ft<sup>2</sup>, at least one drainage pipe must be provided on the lowest side of the blades (motor side).

If there is only one water drainage column and the surface area is larger than 172.22 ft<sup>2</sup>, the drainage capacity of the roof will only be 23.78 gallons per hour (0.025 l/m<sup>2</sup>.s).

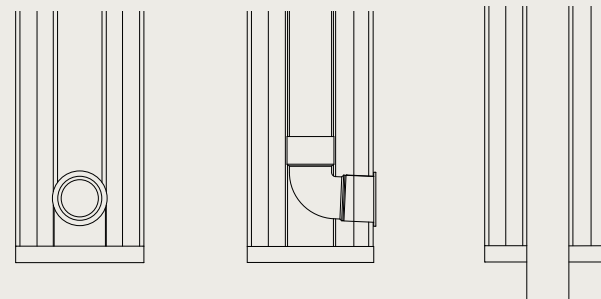
### Types:

There are two types of drainage available in the columns:

- Sideways: this type is supplied pre-assembled.
- Downward drainage: in this type, the drainage pipe is installed and protrudes 5.91 inches below the base plate as standard.

### Note:

- Columns with water drainage cannot be combined with a Electrical outlet.
- When opting for drainage through a column next to a fixed wall, only downward drainage can be selected. The drainpipe cannot come out through the fixed wall, but it can terminate inside the fixed wall (see image).

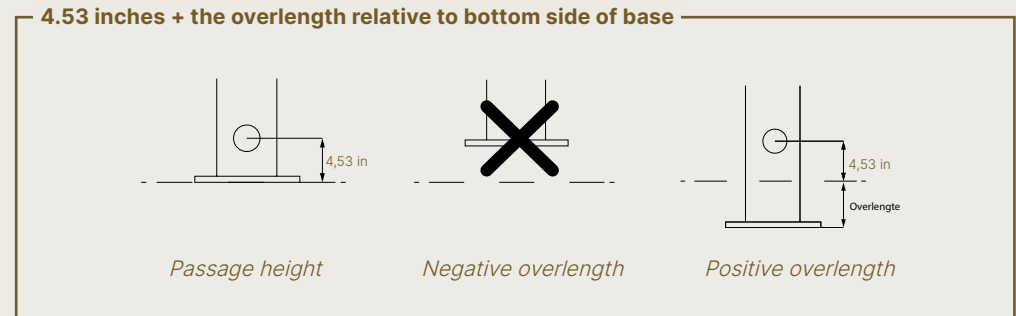
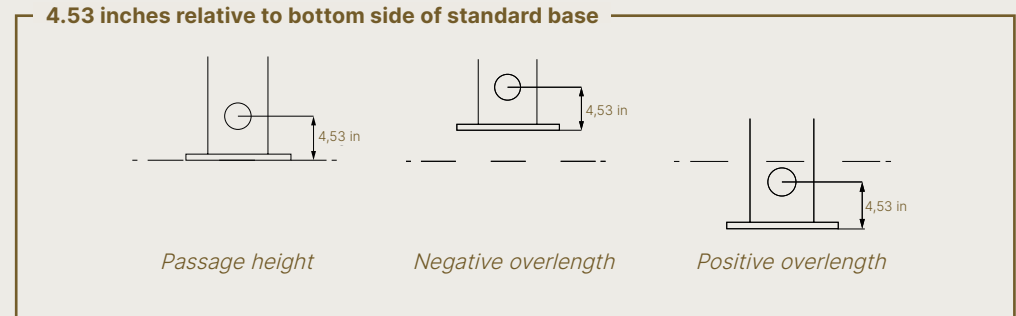


## Water drainage

### Water drainage height:

Two options for the height of the drainpipe:

- 4.53 inches relative to the bottom side of the base, regardless of whether overlength is applicable (standard).
- 4.53 inches + the overlength relative to the bottom side of base. If overlength is chosen, you can choose to have the overlength added to the standard distance of 4.53 inches. For example: an overlength of 3.94 inches means water drainage at 8.46 inches relative to the bottom side of the mounting base.



# ACCESSORIES – CANOPY

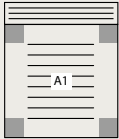
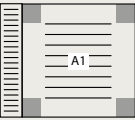
## Description



### Fixed structural sun protection with added aesthetic value

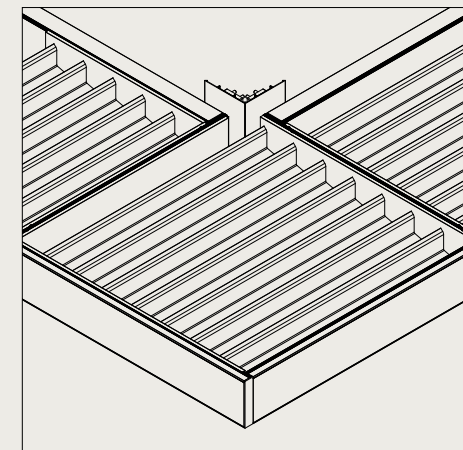
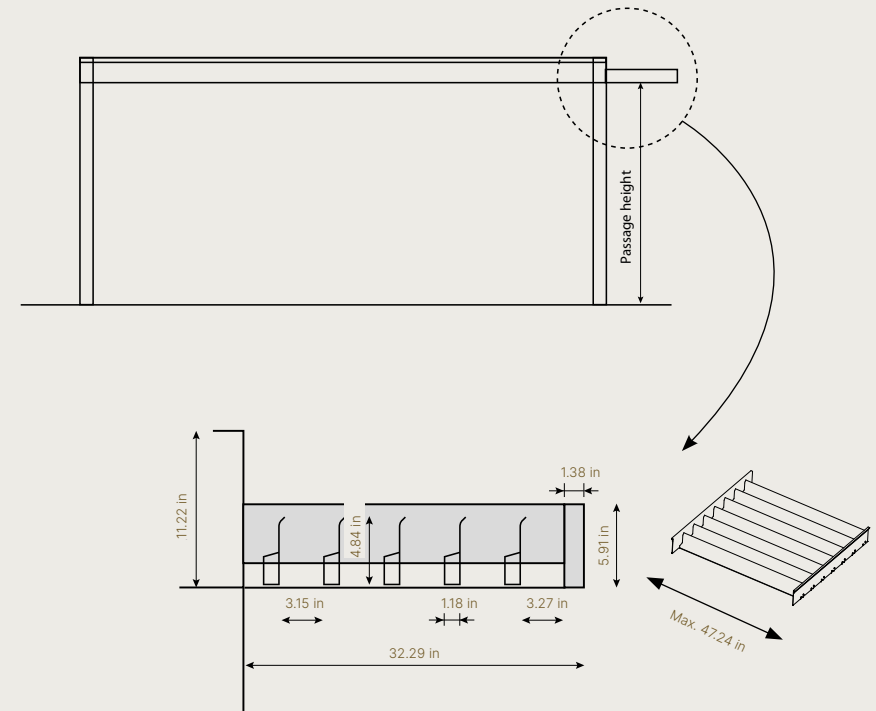
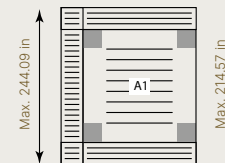
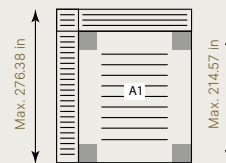
- Optimal solution to manage incoming sunrays
- Unobstructed outside view maintained Year-Round
- Enhanced shade in summer: The high sun position allows the canopy to provide extra shade below the patio cover
- Maximal sunlight in winter: The low sun position permits the canopy to allow maximum sunlight to enter.
- Fixed canopy with vertical blades fitted to the patio cover
- Customizable powder-coated aluminum blades available in any color of your choice
- Coupled roof sections visually integrated to appear as one continuous piece
- The canopy border design contributes to a sleeker and lighter look.
- Surface mounted using pre-assembled cassettes

## Technical details

Dimensions	Span	Pivot
Overhang	32.3 in	32.3 in
Canopy width	Max. 14 feet 9 in	Max. 20 feet 4.09 in*
Cassette width	Max. 3 feet 11.24 in	Max. 3 feet 11.24 in
Canopy lines	Parallel to the frame beam 	Perpendicular to the frame beam 
Blade pitch	3.15 in	3.15 in
Blade height	4.84 in	4.84 in
Blade thickness	1.18 in	1.18 in
Operating methods		
	N/a	N/a
Weight		
Canopy [excl. corner canopy]	18.82 lbs/ft	20.16 lbs/ft
Canopy [including 2 x corner canopy]	28.22 lbs/f	24.19 lbs/ft

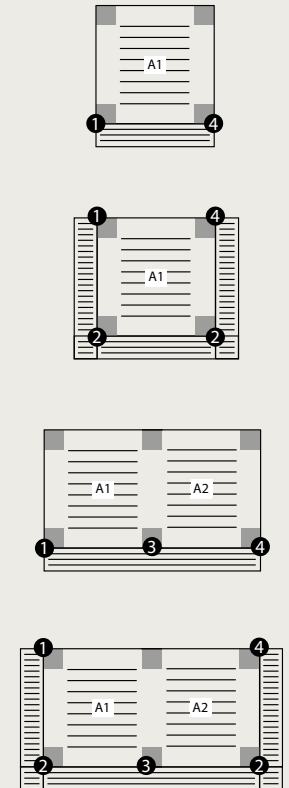
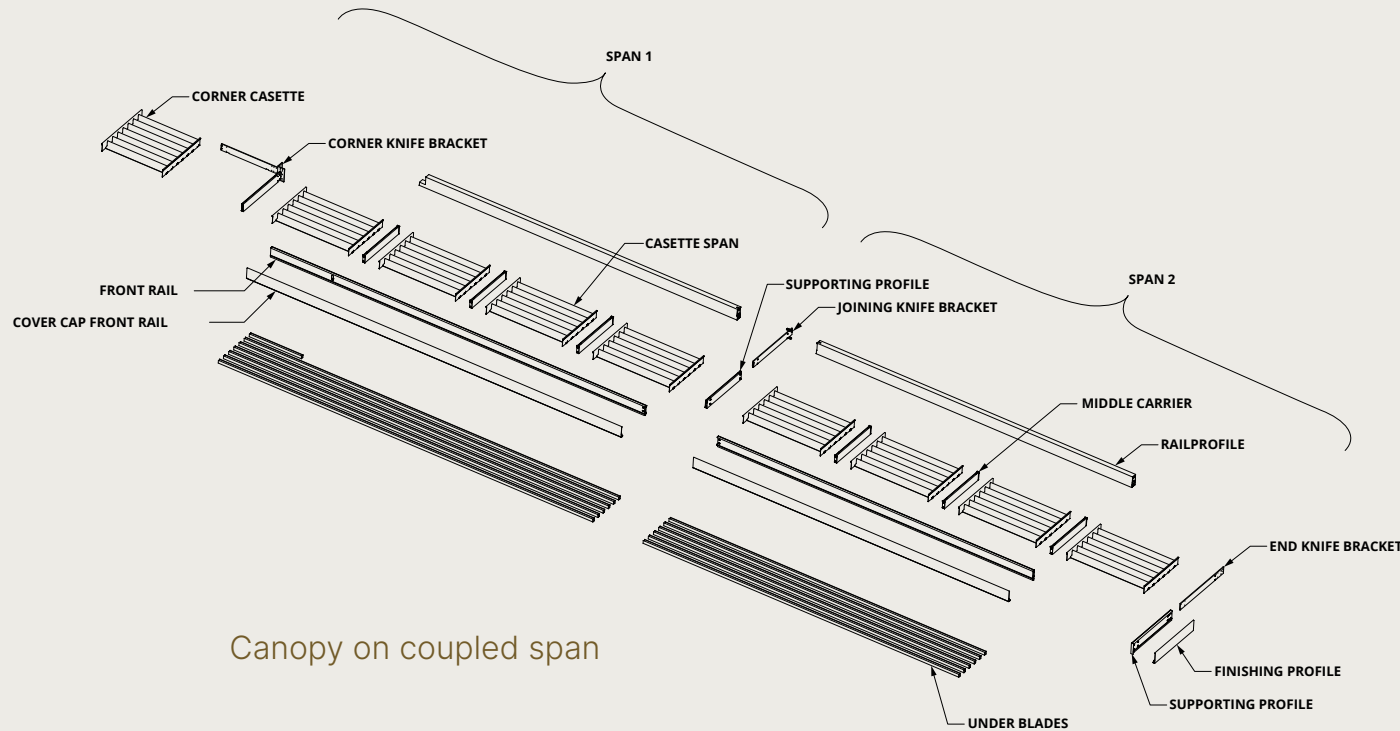
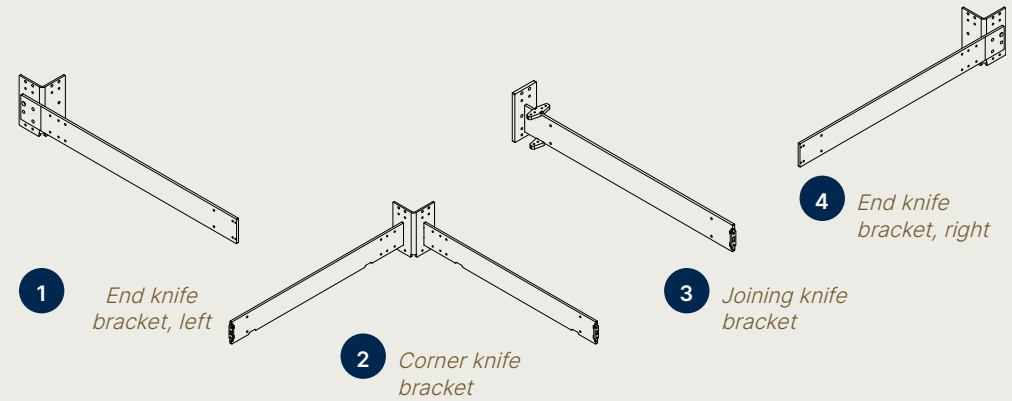
\* **Corner canopy:** In a canopy extending across both corners, the pivot width in a single roof section is limited to 17 feet 10.57 in.

**Corner cassette:** The corner finish allows a canopy on the pivot to transition into a canopy on the span, keeping the lines in the same orientation. To mount this module, the corner knife brackets must be used. Dimensions of this module: 32.3 in x 32.3 in



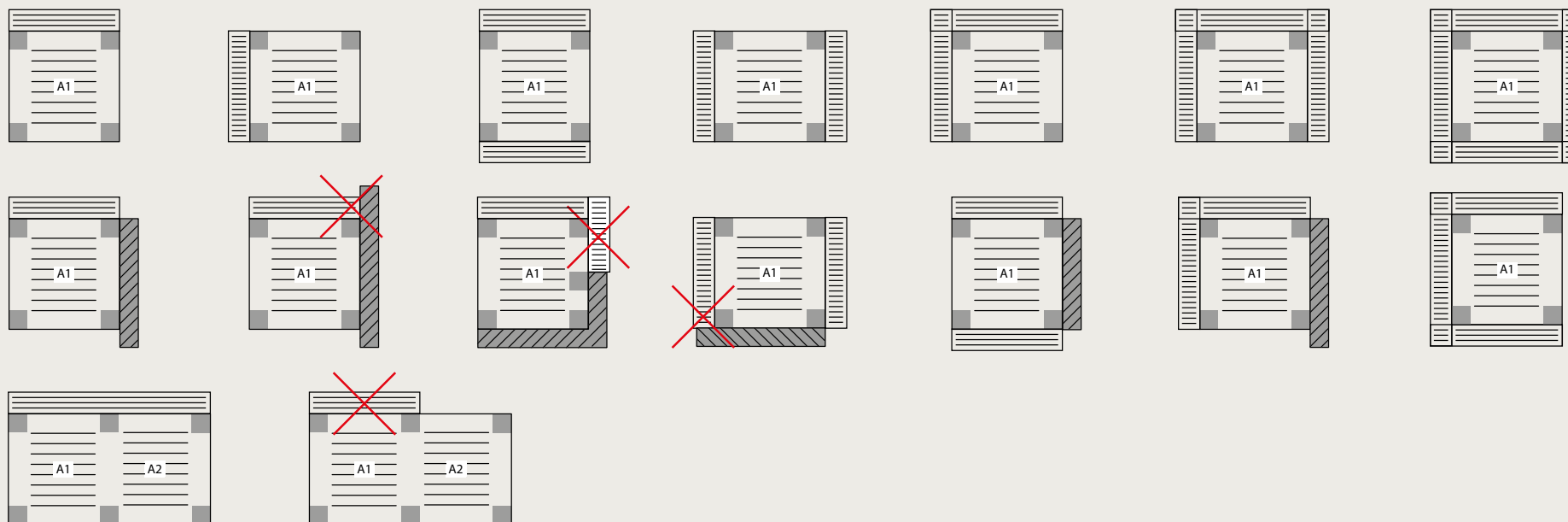
## Standard configuration

- All profiles come in aluminum, powder coated in the same color as the cover (frame and columns). Different colors are possible for the blades.
- The cassettes come pre-assembled.
- The knife brackets come in bichrome steel.
- There are four types of knife bracket, all designed to be fitted at the junctions of the Amani structure.



## Compatibility/restrictions

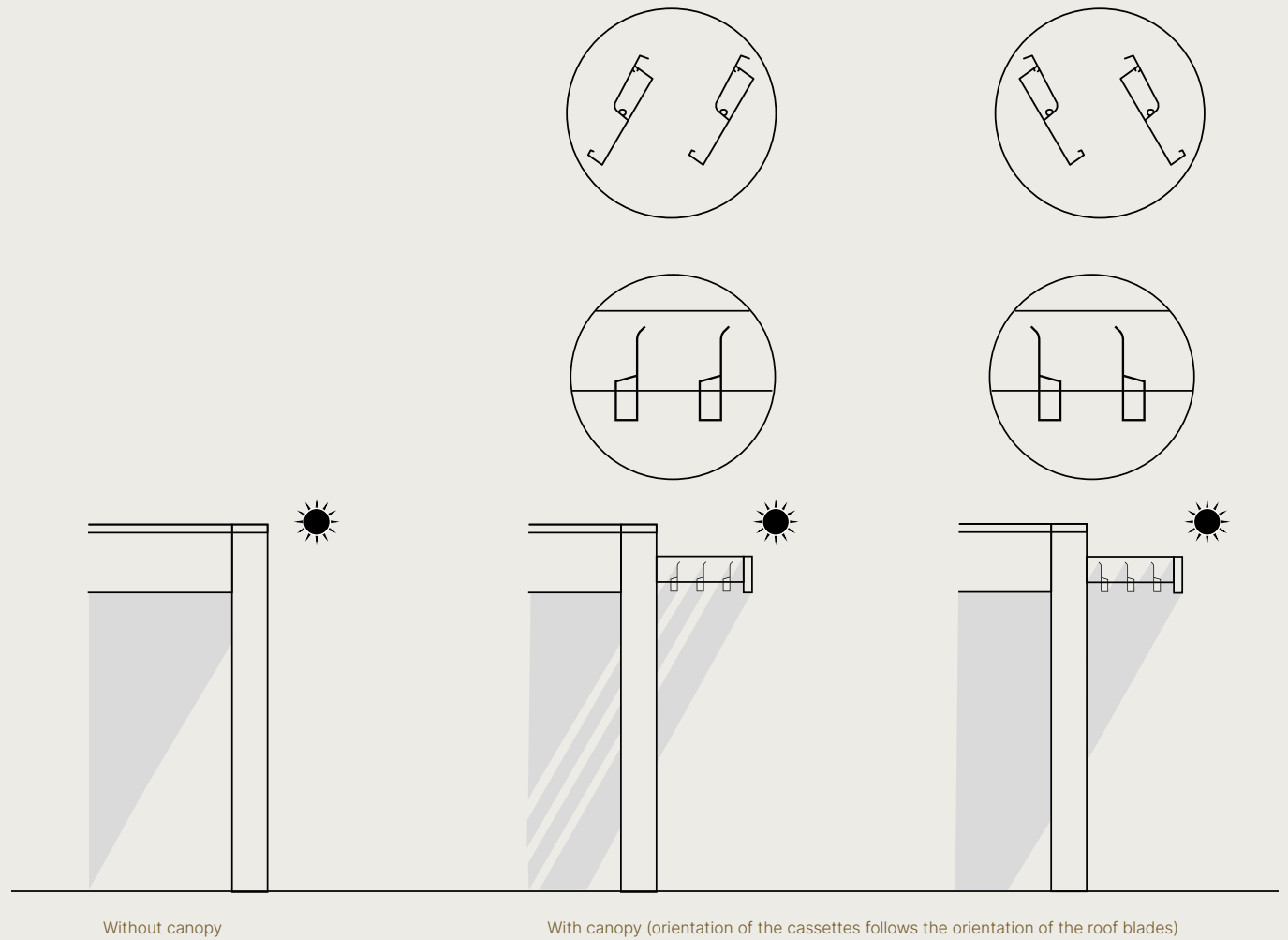
- Applicable with bladed roof, fixed roof and open structure
- The blades in the canopy always align the bladed roof
- Starts and ends at a corner column
- Not compatible with a shifted corner column
- Always extends across the full length of a side
- Cannot be partially surface-mounted
- Can be applied across multiple roof sections, on the condition that all corners must be supported by a column across the full length of the side
- Cannot be fitted up to a wall perpendicular to the patio cover
- When combined with a recessed front cover, the front cover will be replaced by a standard front cover
- Loggia panels can be integrated into the rail profile below the canopy.



## Orientation



The blades in the canopy follow the direction of the roof blades.

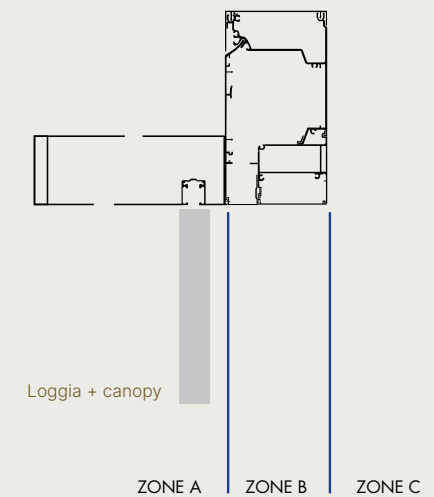
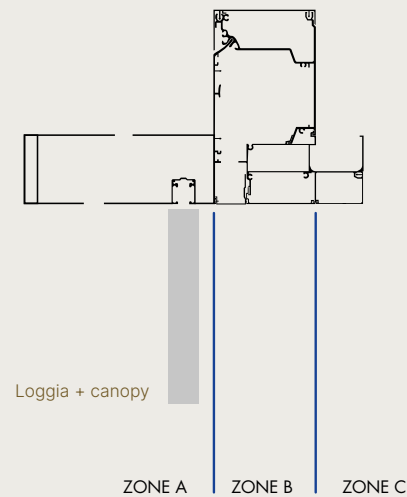
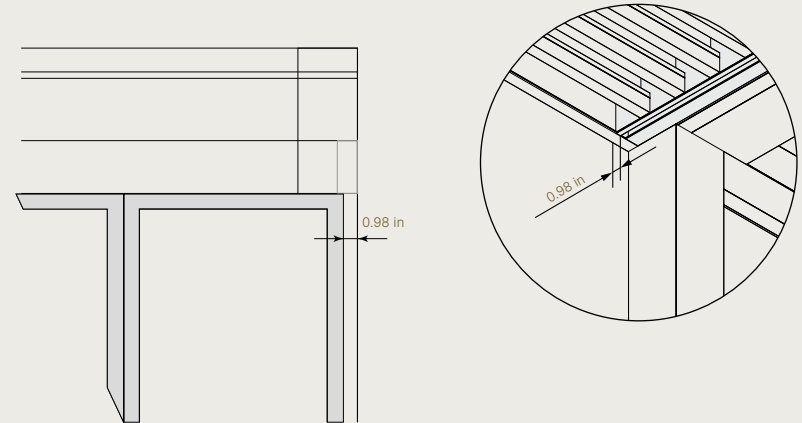


## Options

### Combination of canopy and Loggia panels in Zone A

This is possible, though it means the Loggia panels will not extend all the way to the top of the span or pivot beam. The rail profile for Loggia panels is fitted at the bottom of the canopy as standard.

Alignment: The alignment of these Loggia panels relative to the column depends on the stacking side and can be as high as 0.98 inches from the outside of the column. This is because the rail profile does not extend across the entire length of the canopy.

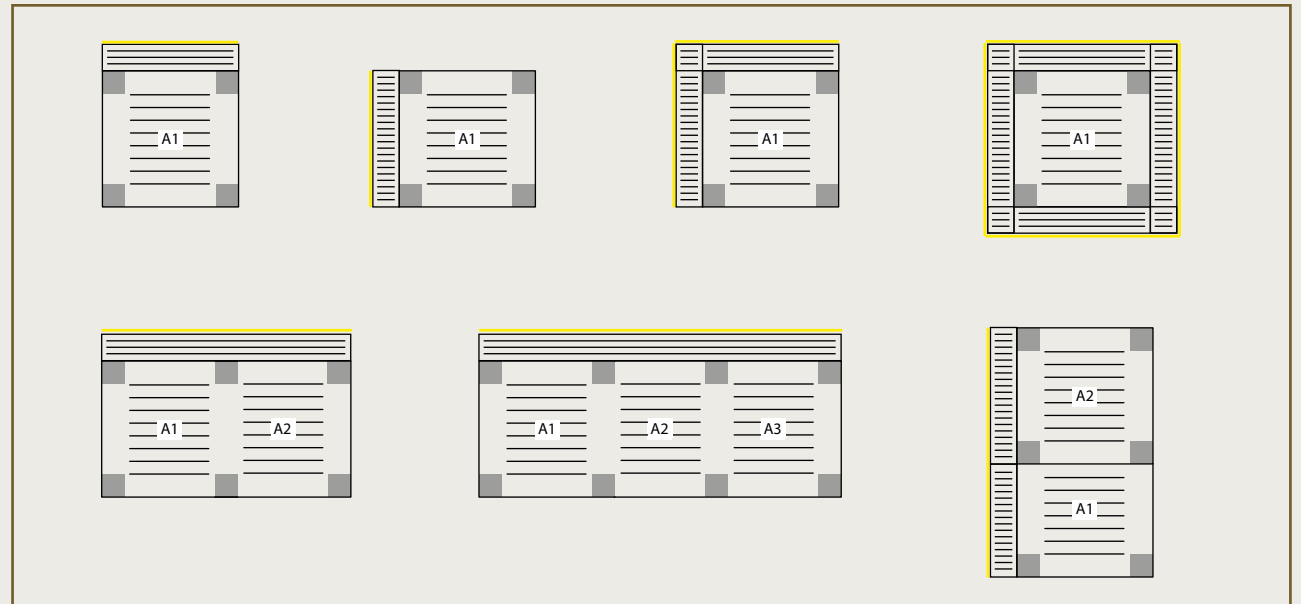
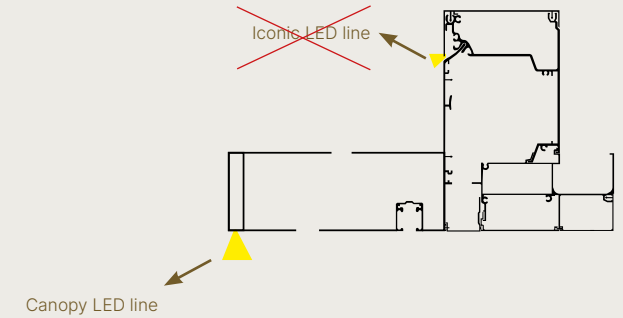


## Options



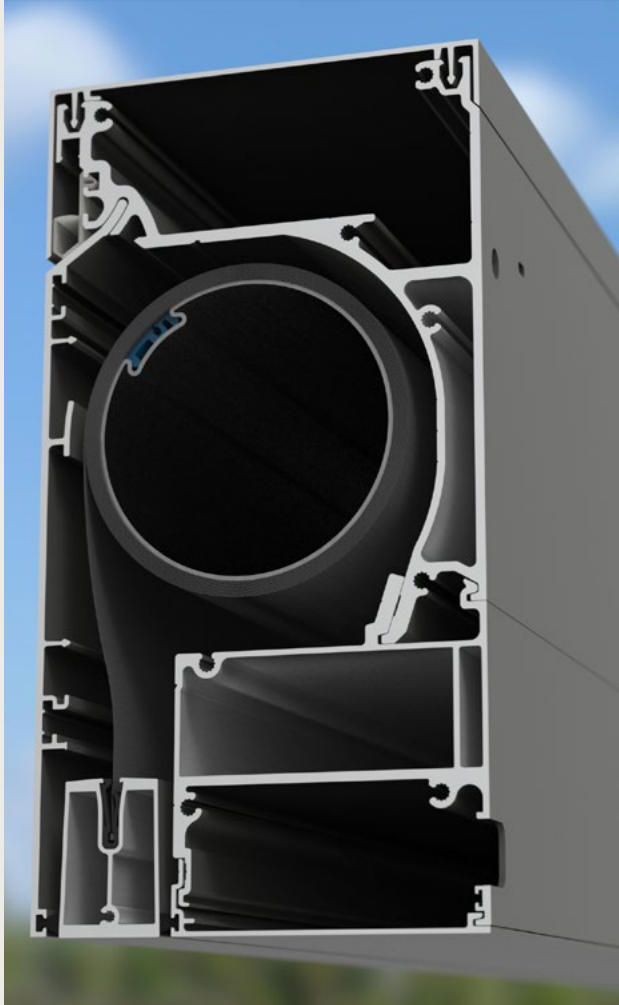
Lighting: an LED line can be integrated into the bottom of the front side of the canopy.

Please note: if a canopy starts or ends at a column (no corner module present), no LED lighting can be added to the short side of the canopy.



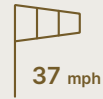
# ACCESSORIES – FIXSCREEN®

## Description

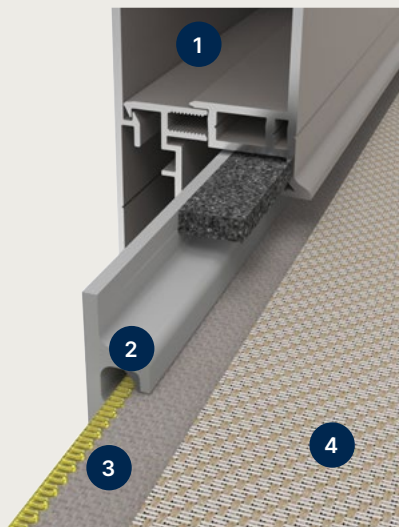


The fabric set and side guiding channels of an integrated Fixscreen are invisibly integrated in the supporting structure of the cover.

- Minimalist design
- Screen head box integrated in the cover's supporting structure
- High wind resistance



## Benefits



### 1 APPLICABLE ACROSS LARGE SURFACE AREAS

Fixscreens under a patio cover are available up to 183 ft<sup>2</sup>

### 2 INVISIBLE, DURABLE INNER RAIL WITH SMOOTH TECHNOLOGY

For smooth, durable and silent zip operation

### 3 SYMMETRICAL ZIP ENSURES HIGH WIND RESISTANCE

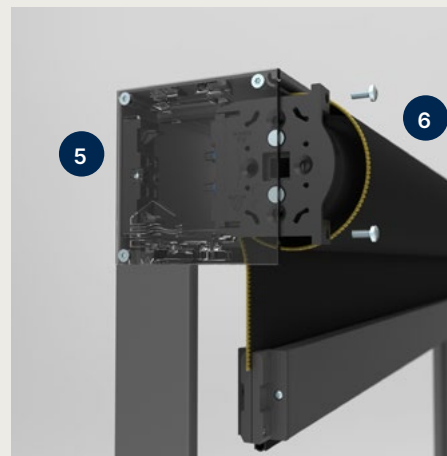
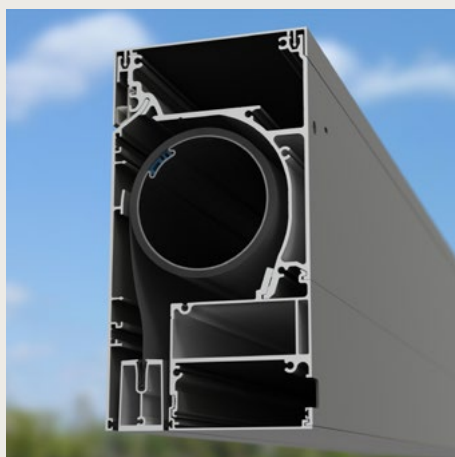
High wind guarantee up to 37 mph

### 4 VAST COLLECTION OF FABRICS AND RAL COLORS

For the perfect match with all types of architecture

### 5 QUICK AND SAFE INSTALLATION AND DISASSEMBLING OF FABRIC TUBE SYSTEM

With Connect&Go technology



### 6 RECESSED FABRIC TUBE

Made of steel and equipped with a unique recessed groove to limit the impression of the fabric eyelet.

### 7 SIDE GUIDING CHANNELS INTEGRATED IN THE COLUMNS WITHOUT SCREWS

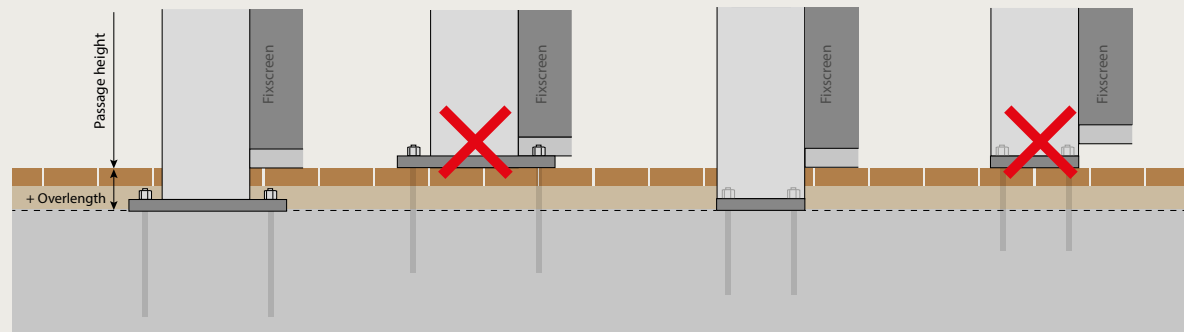
### 8 INVISIBLE WELDED SEAM ON FIXSCREEN INNER RAIL



## Technical details



Dimensions	
Clear width	3.6 - 19.3 ft
Fabric height	Choose between passage height or passage height + overlength Max. height 9.5 ft
Side guiding channel length	= passage height + any overlength
Retractable bottom bar	✓
Customization	Width and height: ft precision
Operating methods	
Somfy RTS	✓



Warning! Avoid a column without overlength next to a Fixscreen.

## Standard configuration



### Profiles

- Aluminum, powder coated the same color as the cover
- All profiles are coated to Seaside Quality A

### Operation

- Includes one Somfy® RTS motor including Connect & Go (excl. remote control)

### Side guiding channel(s)

- Integrated into the columns without screws

### Wiring

- Cable length: 6 ft
- Cable feed position: always on the right

From a passage height of 9 ft, the horizontal welded seam of Amani Fixscreens may be visible (depending on your choice of fabric)

## Options



### Fabrics

- Sergé screen: tightly woven fibre glass fabric with 5% openness
- Natté screen: tightly woven fibre glass fabric with 3% openness horizontal and vertical weave pattern
- Privacy screen: fibre glass fabric with 1% openness for increased privacy
- Tuffscreen (insect mesh)
- Any fabric of your choice from the Renson® fabric sampler

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

# ACCESSORIES – OUTDOOR LOGGIA®

## Description

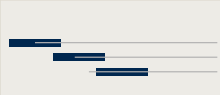




Sun protection panel with canvas fabric, aluminum or wooden blades integrated into the frame discreetly, without any visible mounting elements.

- Maximum natural light
- Comfortable outside view
- No visible connection elements
- Available as fixed, sliding or folding panels

## Applicability



	Sliding panels	Fixed panels	Folding panels
			
In front of the frame (Zone A)	✓	✓	✓
Below the frame (Zone B)	✓	✓	-
Below the coupling beam (Zone D)	✓	✓	✓
On sloping terrace	✓	✓	-

## Inserts: benefits



### VAST RANGE OF DESIGNS

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- Choice of inserts made of wooden or aluminum blades, Wooddesign, fibre glass fabric or Mixtrim.

### OPTIONAL PRIVACY BLADES

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- Blades can be rotated manually from closed to fully open position and can be blocked in any position



### CANVAS

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#### INNOVATION

- Canvas fabric always stays tight thanks to continuous tensioning system
- Minimum visible aluminum border
- Version with double-sided canvas possible



### FILLER BLADE

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- A filler blade in the color of the frame eliminates any gaps between the insert and the frame above and below.



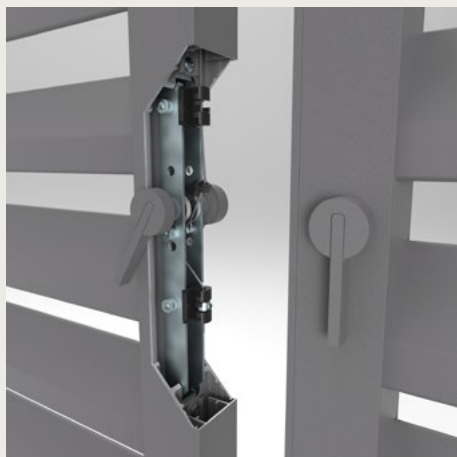
### LINEA

---

#### INNOVATION

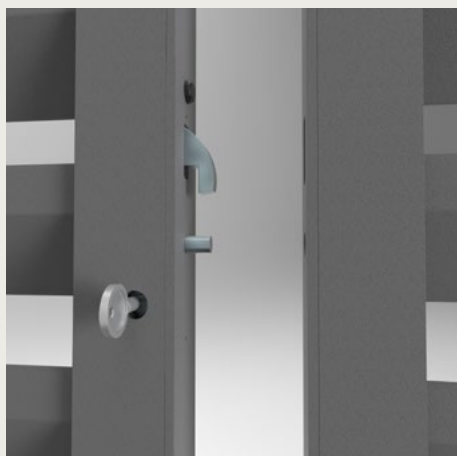
- New design with vertical blades
- Thanks to our ingenious concept, the distance between the vertical blades and the frame always remains constant

## Sliding panels: benefits



### POSITION CATCH

- A magnetic catch, easily operated by lever, allows you to park the panels in the position of your choice



### OPTION: HOOK CATCH

- A hook catch allows you to secure the panel against a column or against another panel



### FLEXGUIDE ACCOMMODATES MINOR HEIGHT DIFFERENCES

#### INNOVATION

- Self-regulating bottom rail system automatically adjusts itself to drainage slopes or uneven surfaces by up to 2.3 in, eliminating the need to add any filler to level the bottom rail profile
- What's more, the rounded bottom rail also compensates for any movement perpendicular to the rail



### LOGGIA RAIL INTEGRATED INTO THE BEAM

#### INNOVATION

- The top Loggia rail is invisible integrated into the frame

### CROWN WHEELS

- When closing a wall below the frame, move the first panel and the others will follow automatically. When opening, all panels must be slid back into place



## Folding panels: benefits



### ONLY AVAILABLE IN FRONT OF THE FRAME OR BELOW A COUPLING BEAM

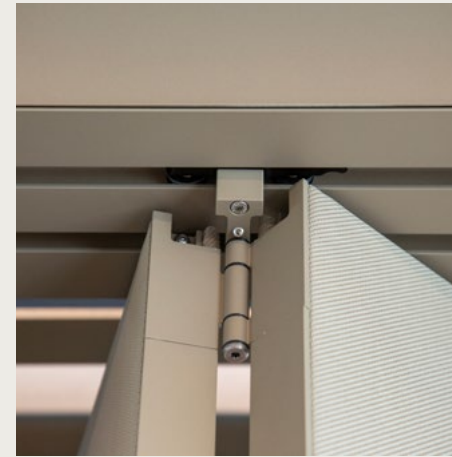
#### INNOVATION

- Loggia folding panels in front of the frame can extend across multiple roof sections
- The panels can be stacked in a compact way on one or both sides.
- The start and stop position is yours to choose (e.g. stack in front of a wall, start at an additional column)



### ALL LOGGIA PANELS ON ONE RAIL

- The bottom rail must be installed perfectly level (not on a slope)



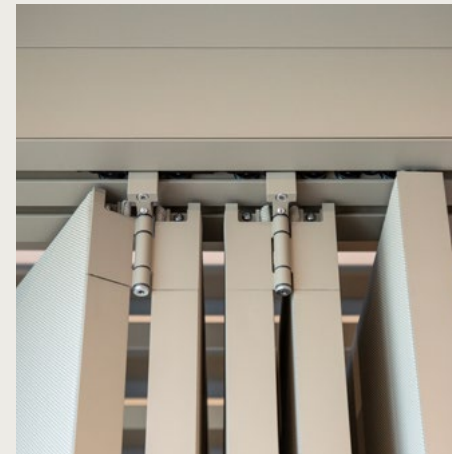
### LIMITING STAY

- The panels are aligned in a single line and locked into the rail simply by operating the lever.

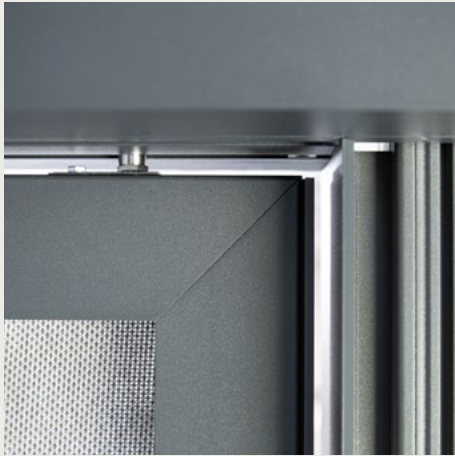
### UPPER RAIL INTEGRATED INTO THE BEAM

#### INNOVATION

- Aesthetic design due to the use of the Autofix system (suspension bracket integrated in the Loggia panel)



## Fixed panels: benefits



### IN THE INTEGRATED UPPER RAIL

- Thanks to Autofix, the panel clicks into the stoppers in the integrated upper rail



### INSTALLATION IN A POSITION OF YOUR CHOICE

- The Flexguide slides along the fixation bracket on the ground and accommodates any height margins

## Technical details

	Outdoor Loggia					
	Linea	Plano	Paro	Paro Privacy**	Canvas	Double Canvas
<b>Dimensions</b>						
Clear width (sliding wall)*	Up to 20 ft					
Bottom rail	Flexguide Evo					
Patio cover passage height (H)	3.2 ft - 9.1 ft			-		
Max. sliding panel height (PH) - in front of frame - below frame/coupling beam	118.11 in (Passage height + 6.4 in) 118.11 in (Passage height - 1.9 in)					
Max. fixed panel height (PH) - in front of frame - below frame/coupling beam	118.11 in (Passage height + 6.4 in) 118.11 in (Passage height - 1.9 in)					
Max. folding panel height (PH) - in front of frame - below frame/coupling beam	118.11 in (Passage height + 6.4 in) 118.11 in (Passage height - 1.9 in)			Not possible		118.11 in (Passage height + 6.4 in) 118.11 in (Passage height - 1.9 in)
Max. panel width**	49.2 in	49.2 in	Wood 49.2 in Aluminum 59 in	49.2 in	49.2 in	49.2 in
Vertical frame profiles	1.5 in x 1.5 in				1.5 in x 2.5 in	
Horizontal frame profiles	1.5 in x 1.5 in				1.5 in x 2.5 in	
Blades	Rectangular shape: 1.1 in x 0.5		Rhomboid shape: 2.6 × 0.6 in			N/a
Blade pitch (s)	+/- 45 mm	1.9 in	3.54 in	2.2 in	N/a	
Patio cover blade orientation (α)	Vertical	Horizontal	Fixed 33°	Rotating 0 – 147°		N/A
Material	Aluminum Thermo Ayous	Aluminum	Aluminum Thermo Ash		Choice of sin- gle-sided fibre glass fabric (Sergé, Natté, Privacy or Mixtrim)	Choice of dou- ble-sided fibre glass fabric (Sergé, Natté, Privacy or Mixtrim)
<b>Operating methods</b>						
Manual	✓					
Motorised	-					

\* See compatibility/restrictions on p. 74

\*\*Folding panels: not possible in Paro Privacy version - max. panel width 800 mm



## Standard configuration: sliding panels – below the frame

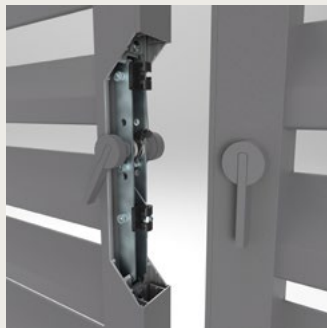


### Frame

- Aluminum H-profile with cover plates.
- Fitted with integrated suspension brackets (Autofix).
- A position catch and crown wheels are integrated as standard.

### Upper rail

- Aluminum, coated in the same color as the cover.
- The upper rails of Outdoor Loggia sliding panels are integrated in the span or pivot beam.



### Bottom rail

- Anodised aluminum. The bottom rails are supplied separately.

### Upper roller guide

- Aluminum roller assemblies, with integrated position catch as standard.
- The roller assemblies and any stoppers are fitted into the rail.

### Bottom guide

Flexguide guiding in aluminum accommodates height differences of up to 2.30 in. The axle of the Flexguide Evo must be screwed into the guiding element on the bottom rail.



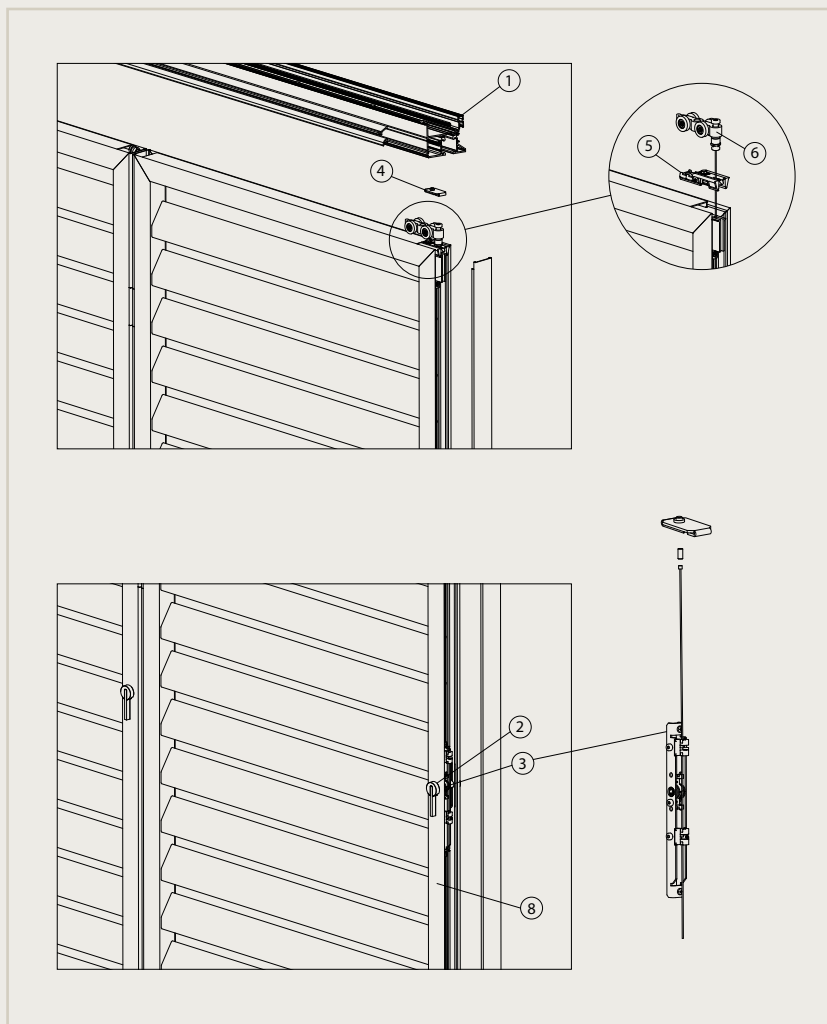
### Insert

Choice of insert (see 'Options' for the full range of options). The Privacy version comes with two control buttons as standard to block the blades in the preferred position.

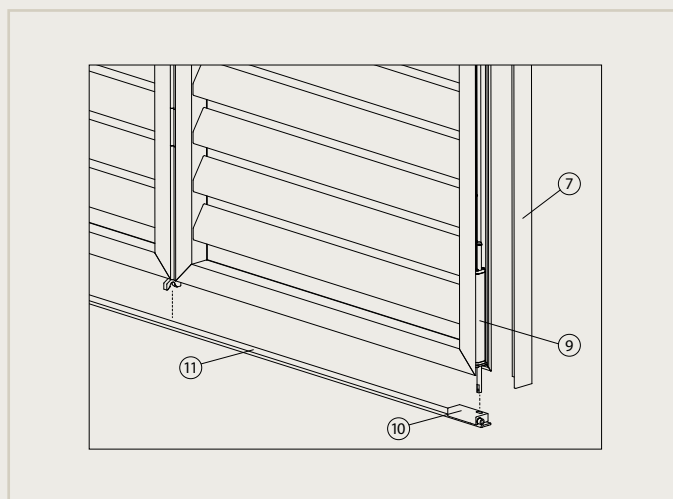
**Margin** between column and sliding panel: 0.2 in. Bottom: 1.7 in. Top 0.2 in.

**Overlap** between two sliding panels: 1.7 in.

## Exploded view



1. Integrated upper rail
2. Handle
3. Position catch
4. Magnetic plate for position catch
5. Autofix
6. Roller assembly / Roller assembly for position catch
7. Flat cover plate - surface-mounted
8. Loggia panel
9. Flexguide
10. Flexguide guiding element
11. Flexguide bottom rail





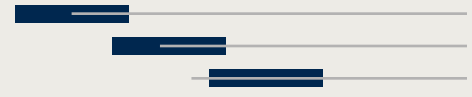
## Standard configuration: sliding panel layout

**In front of the frame:** The sliding panels slide independently from one another on a single rail. You are free to choose the number and width of the panels.

**Below the frame:** In a standard configuration, the number of panels and rails on the span or pivot is determined by Renson®.

Sliding panels	Fixed wall		Span or pivot dimensions	Effective sliding panel width
 two panels - two rails	 two panels	With one column	45 in - 94.4 in	39 in - 88 in
		With two columns	51 in - 100 in	
 three panels - three rails*	 three panels	With one column	94.5 in - 143.7 in	88.6 in - 137 in
		With two columns	100 in - 149 in	
 four panels - two rails	 four panels	With one column	94 in - 183 in	88.6 in - 177 in
		With two columns	100 in - 188 in	
 six panels - three rails*	 six panels	With one column	183 in - 244 in	177 in - 238 in
		With two columns	189 in - 244 in	

\* not possible below coupling span & coupling pivot



## Compatibility/restrictions



- Six panels with three rails: only possible on the pivot
- Maximum four panels on two rails are possible on coupling span and coupling pivot (max. 14.7 ft)
- Outdoor Loggia sliding panels can always be combined with Lineo LED, Lineo Fix, Lineo Heat, roof LED mood lighting and Lineo Luce glass blades

## Standard configuration: fixed panel



### Frame

- Aluminum frame, H-profile with cover plates.
- Fitted with integrated suspension brackets (Autofix).

### Fixed panel mounting

- The panel is fastened into the integrated upper rail (Zone A or B) using two stoppers.
- A hole with a diameter of 0.7 in and a depth of 1.5 in must be drilled at the bottom.

### Insert

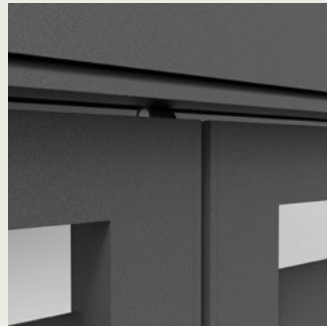
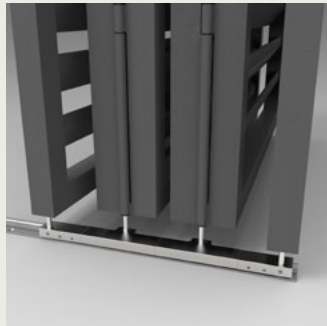
- Choice of insert (see 'Options' for the full range of options).

### Margin

- 0.1 in between two panels, 0.1 in between column and fixed panel.  
Bottom: 1.7 in. Top 0.1 in.



## Standard configuration: folding panels

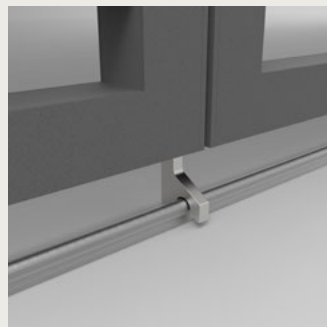


### Frame with integrated elements

- Aluminum H-profile with cover plates. Fitted with integrated suspension brackets (Autofix). A limiting stay is integrated as standard so that the panels are secured into the rails when closed.

### Upper rail

- Aluminum, coated the same color as the cover.
- The upper rail of Outdoor Loggia folding panels is installed in front of the frame or is integrated into the canopy profile or the coupling beam.



### Bottom rail

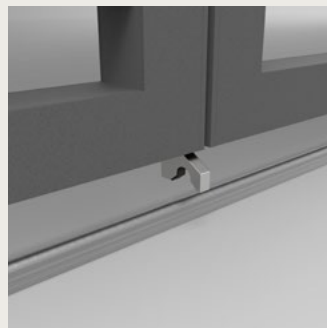
- Anodised aluminum. The bottom rail is supplied separately.

### Upper roller guide

- Aluminum roller assemblies. The roller assemblies and stoppers are fitted into the rail.

### Bottom guide

Flexguide Evo guiding in aluminum. The axle of the Flexguide Evo must be screwed into the guiding element on the bottom rail. The bottom rail must be installed perfectly level; folding panels cannot be placed on a slope.



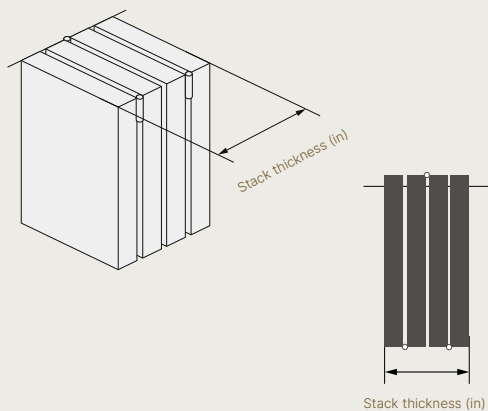
### Insert

Choice of insert (see 'Options' for the full range of options). The two outer panels are slightly wider than the middle panels. The Privacy version is not available as a folding panel.

**Margin** between two folding panels: 0.1 in. Bottom: 1.7 in. Top 0.1 in.

## Standard configuration: folding panel layout

Bottom rail supplied separately. The number of panels is determined depending on the Loggia folding wall width:



Folding wall width (in)		Number of panels	Stacking side		Stack thickness (in)
Loggia in front of the frame	Loggia under the canopy				
31.50 - 61.02	31.50 - 57.09	2	left or right		6.4
61.06 - 122.05	57.13 - 114.17	4	left or right		11
122.09 - 183.07	114.25 - 171.26	6	left or right		16
183.11 - 244.09	171.34 - 228.35	8	left or right		20
			4 to the left	4 to the right	11.22 - 11.22
244.13 - 305.12	228.35 - 285.43	10	6 to the left	4 to the right	15.94 - 11.22
			4 to the left	6 to the right	11.22 - 15.94
305.16 - 366.14	285.47 - 342.52	12	6 to the left	6 to the right	15.94 - 15.94
366.18 - 427.17	342.56 - 399.61	14	8 to the left	6 to the right	20.67 - 15.94
			6 to the left	8 to the right	15.94 - 20.67
427.20 - 488.19	399.65 - 456.69	16	8 to the left	8 to the right	20.67 - 20.67

## Compatibility and restrictions

- Folding panels can be placed in front of the frame, below the canopy or below the coupling beam (not below any other beams).



## Options

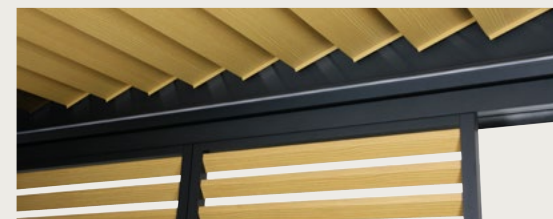


- Outdoor Loggia Paro fixed, rhomboid horizontal blades in coated aluminum, Wooddesign or in Thermo Ash wood
- Outdoor Loggia Privacy rotating, rhomboid horizontal blades in coated aluminum, Wooddesign or in Thermo Ash wood
- Outdoor Loggia Plano fixed, square, horizontal aluminum profiles
- Outdoor Loggia Linea fixed, square, vertical blades in coated aluminum, Wooddesign or Thermo Ayous wood
- Outdoor Loggia Canvas tautly stretched screen fabric (fibre glass) or Mixtrim
- Outdoor Loggia Double Canvas tautly stretched screen fabric (fibre glass) or Mixtrim on both sides

## Fabrics

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

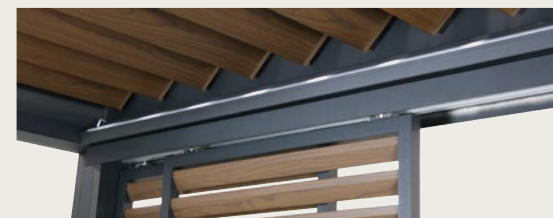
### Wooddesign



Natural oak



White oak



Walnut

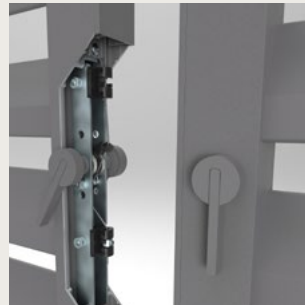
## Hardware used for sliding panels below the frame

- Option: without position catch - Instead of the standard version with position catch and crown wheels, only stoppers will be fitted.
- Optional: with hook catch and crown wheels - For panels sliding in one direction, the catch hooks into the column. The hook catch is fitted on the sliding panel on the internal side of the cover. - For panels sliding in both directions (four or six panels), the panels hook into one another. Both parts of the hook catch will be fitted to the middle panels. - Each hook catch comes with a unique key. Identical keys for multiple hook catches are not possible.
- Option: with position catch, hook catch and crown wheels.

Stopper



Position catch



Hook catch



Crown wheels



# ACCESSORIES – GLASS SLIDING PANELS

## Description



### Fully transparent glass sliding panels:

- Completely unobstructed outside view
- Protection from cold, rain and wind
- Can be secured in place
- Adds elegance to the patio cover
- Moves smoothly thanks to durable guiding wheels at the bottom
- Handle coated the same color as the cover
- Optional: matt glass available for extra privacy

↑  
9.19 ft  
↓

## Benefits



### **CAN BE COMBINED WITH FIXSCREENS AND/OR OUTDOOR CURTAINS**

- For additional sun protection and aesthetic

### **FULLY TRANSPARENT**

- Unobstructed outside view

### **WIND PROTECTION**

### **0.39 IN TEMPERED SAFETY GLASS**

### **VISIBLE PROFILES COATED TO MATCH THE COVER COLOR**

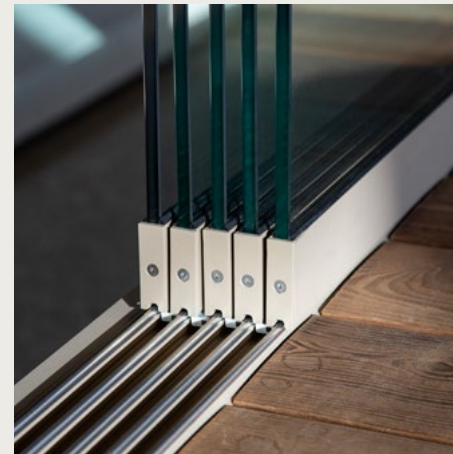
### **OPTIONAL LOCKING/SECURING MECHANISM**



### **ALL PANELS IN ONE LINE WHEN THE WALL IS OPEN**

### **HIGHLY DURABLE GUIDING**

### **UPPER RAIL FULLY INTEGRATED**



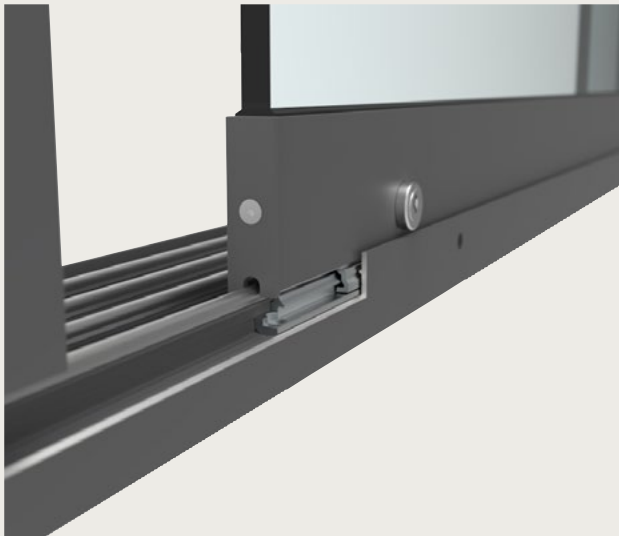
## Technical details



Dimensions	
Clear width	Up to 244 in
Patio cover passage height	min. 70 in – max. 110 in
Horizontal frame profiles	Not applicable
Bottom rail	Aluminum
Glass	0.3 in
Operating methods	
Manual	✓ (Glass panels are fitted with crown wheels for easy closure)
Motorised	–
Clear tempered glass	
L <sub>tf</sub>	86%
Solar heat gain coefficient	78%
UV-ray transmission	44%
Light reflection	8%
U value	0.987 BTU/(ft <sup>2</sup> ·°F·hr)

Total glass sliding panel weight (lbs)																	
Dimensions in inches	78	88	98	108	118	127	138	147	157	167	177	187	197	206	216	226	236
70	214	238	264	291	315	342	368	399	425	450	476	516	542	569	595	621	646
78	235	264	293	321	350	379	405	441	470	498	527	570	599	628	628	657	716
86	260	291	321	352	383	414	445	483	514	547	578	626	657	690	720	752	785
94	282	315	350	384	418	451	485	525	560	593	628	681	716	749	785	817	853
102	304	341	379	414	452	489	524	566	604	641	679	736	774	809	846	884	921
110	328	368	408	447	485	524	564	611	650	690	730	791	831	871	910	950	990

## Standard configuration



### Profiles

- Aluminum, powder coated in the same color as the cover (frame and columns)
- Pre-installed glass profile at bottom
- U-shaped side profiles with brush or L-shaped side profiles
- Bottom rail: three, four or five rails depending on the number of panels
- Upper rail: four or five rails depending on width
- The upper rail is integrated into the beam. Delivered in two parts to facilitate installation.

### Parts

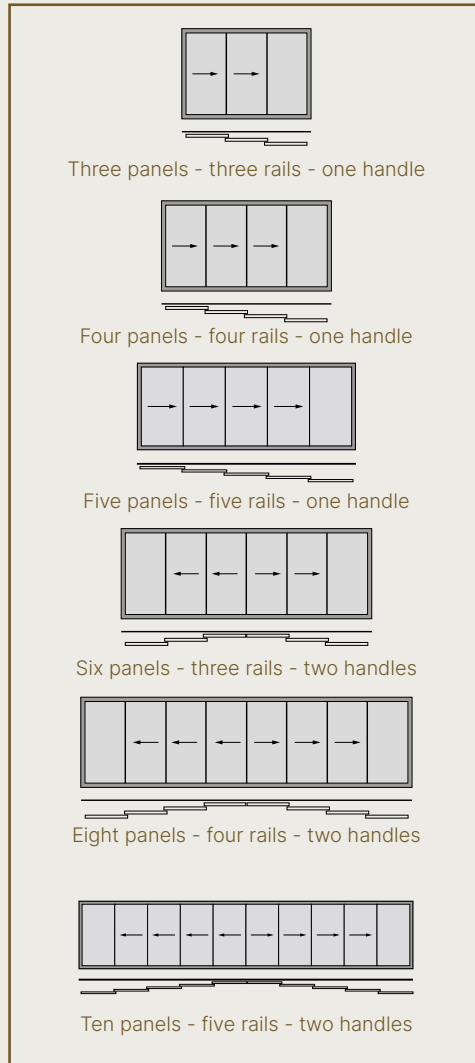
- Aluminum coated handle (can be used on both sides)
- Impact protection (on sliding panels opening from the middle only)
- Antilift protection

### Insert

- Clear or matt tempered safety glass

## Standard configuration: layout

In a standard configuration, the number of panels on the span or pivot is determined by Renson:



### Height ≤ 102 in

Effective sliding panel width	69 - 141 in	91 - 187 in	114 - 234 in	138 - 244 in	182 - 244 in	226 - 244 in
Number of sides that slide open	1	1	1	2	2	2
Number of panels	3	4	5	6	8	10
Number of rails	3	4	5	3	4	5

### Height > 102 in

Effective sliding panel width	69 < ... ≤ 105 in	91 < ... ≤ 139 in	114 < ... ≤ 173 in	138 < ... ≤ 209 in	182 < ... ≤ 244 in	226 < ... ≤ 244 in
Number of sides that slide open	1	1	1	2	2	2
Number of panels	3	4	5	6	8	10
Number of rails	3	4	5	3	4	5

### **Non-standard configuration not possible**

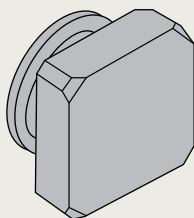
If you would like a different wall layout than the standard configuration, you CANNOT enter this in the RIO configurator as a separate order line via the 'Glass sliding panels' tile.

This only applies to recessed options below Camargue and Algarve, and not for integration in Amani.

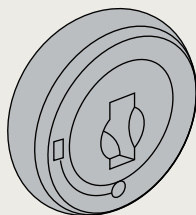
## Options

### Optional: glass panel securing system

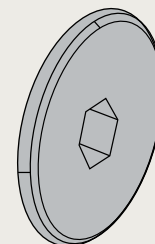
A securing mechanism with a knob, key lock or hex key can be integrated at the bottom of the glass profile.



*Knob*

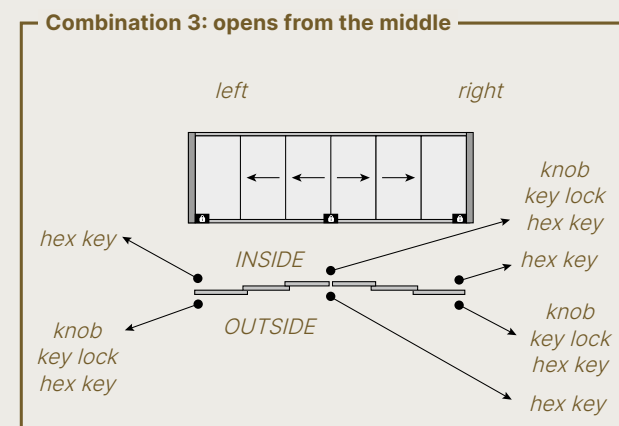
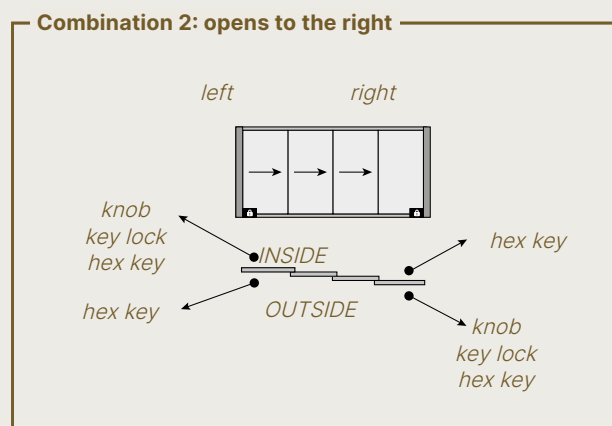
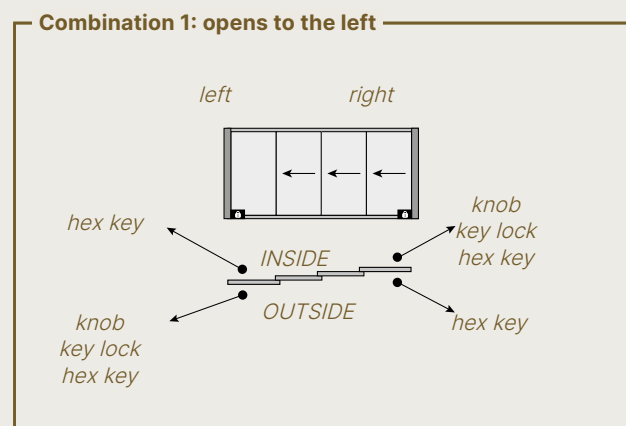


*Key lock*



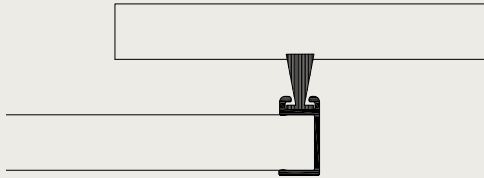
*Hex key*

### Securing combinations (looking from the outside in)



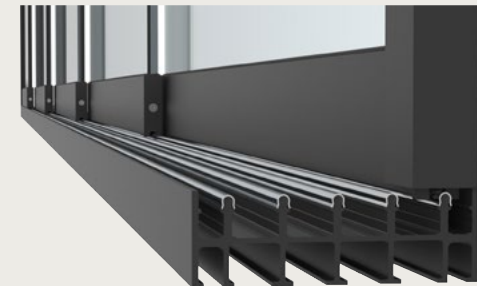
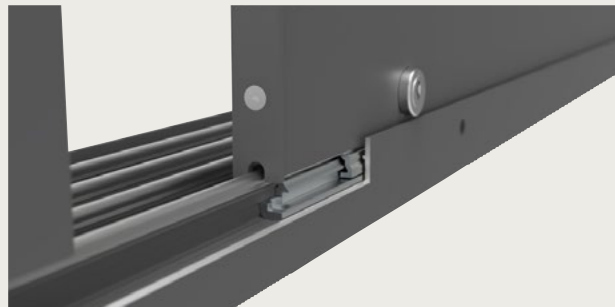
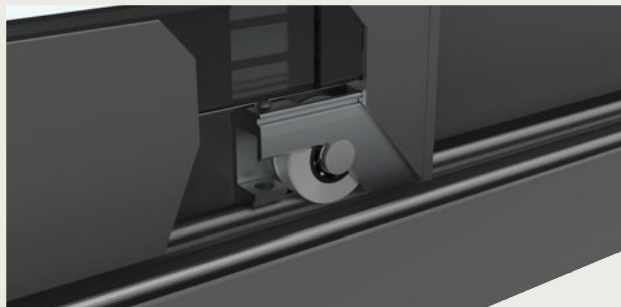
### Option: draught excluder

- Draught excluder with integrated brush



### Optional: sliding hardware excl. glass

- Bottom rail with antilift protection and stoppers
- Upper rail with brushes
- Side rails
- Glass profiles with rollers and rubber
- Optional: lock



# ACCESSORIES – FIXED WALL

## Description



**Wall system and sliding door to create a storage unit under the patio cover, in combination with a fixed roof.**

- Decorative finish on the outside using Linarte Even blades to create vertical lines, or unfinished to allow integration of a façade cladding of the customer's choice.
- The inside of the shed can be finished in wood, OSB or any other material of your choice (not included)
- Columns and beam are integrated in the cladding
- Tried and tested Canvas steeldeck
- Closable sliding door



## Benefits



### COMPLETE RENSON® SOLUTION WITH LINARTE EVEN

---

#### UNFINISHED: SUPPORTING PROFILES WITH FIXATION BRACKETS

---

- For fast mounting of a cladding of your choice (wood, OSB etc. (not included))

#### ADJUSTABLE SUPPORTING PROFILES

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### SKIRTING FINISH COMPENSATES FOR PATIO HEIGHT DIFFERENCES OF UP TO 2.3 IN

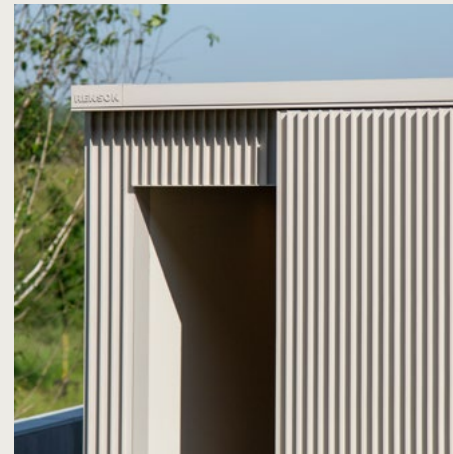
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### INTEGRATION OF INDIRECT WALL LED

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OPTION



### NO VISIBLE CONNECTION ELEMENTS

---

### UPPER BEAM AND COLUMNS CONCEALED IN THE CLADDING

---

## Benefits



### SPACE-SAVING SLIDING DOOR

- Finished in the wall cladding of your choice. Lockable

### IN COMBINATION WITH CANVAS STEELDECK

- Rigid upper roof made of sheet metal with an anti-condensation layer
- Tautly stretched ceiling made of fibre glass fabric using Fixscreen technology



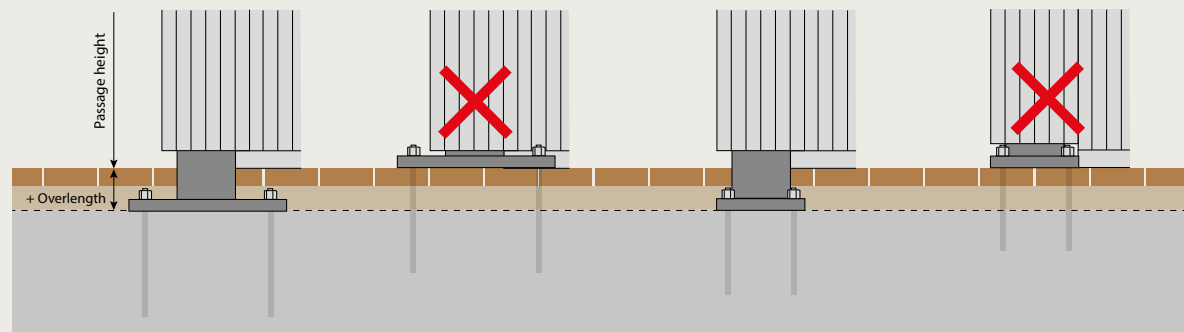
### OPTION: LED BEAM IN FIXED ROOF

- Dimmable LED lighting in warm or pure white light

## Technical details



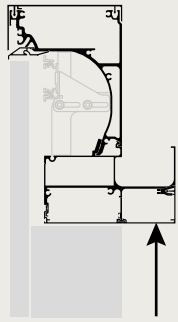
Dimensions	
Clear width	35.43 to 720.47 in
Passage height	Max. 110.24 in (max. 101.57 in in case of fixed wall with door)
Supporting profiles	2.36 × 1.57 in
Outside finish	Linarte Even or unfinished (to be finished in any wood of customer's choice, thickness 0.59 - 0.83 in)
Inside finish	Unfinished (to be finished by customer) (max. 0.98 in)
Linarte Even blade pitch	2.36 in
Sliding door width	46.22 in
Sliding door thickness	± 3.54 in
Clearance	± 39.37 in



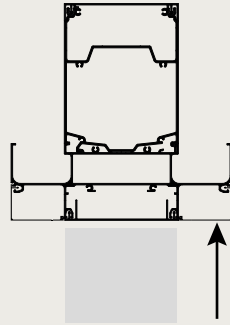
Warning! Avoid a column without overlength next to a fixed wall.

## Technical details

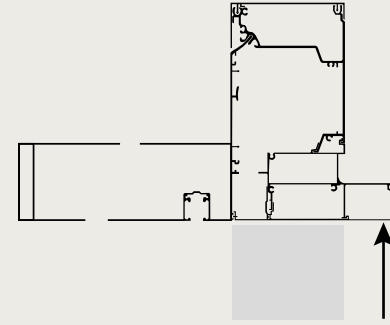
### Fixed wall



DH Maximum 110 in

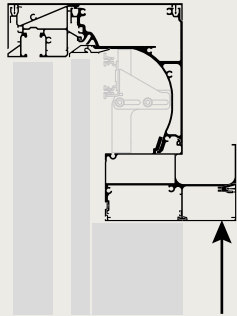


DH Maximum 110 in



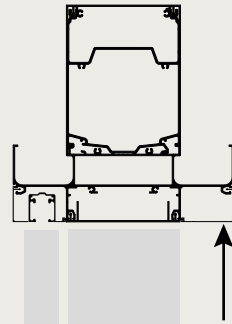
DH Maximum 110 in

### Fixed wall with door



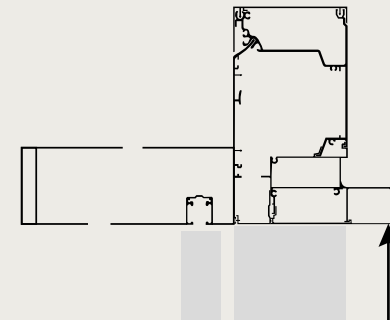
DH Maximum 101 in

*Door sitting in front of the frame*



DH Maximum 110 in

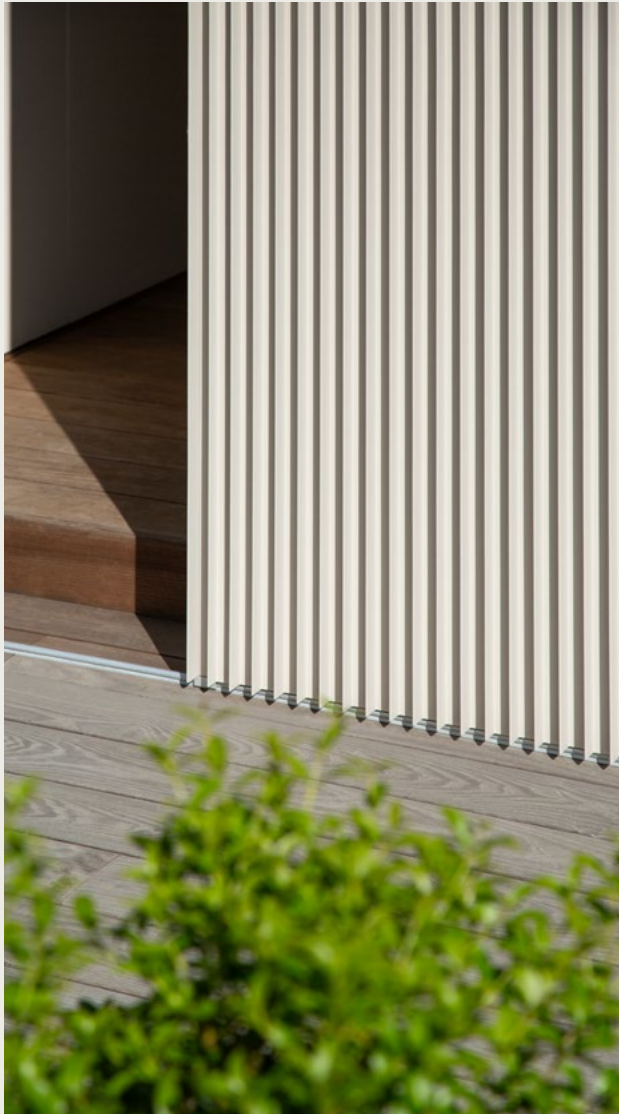
*Door sitting below the coupling beam*



DH Maximum 110 in

*Door sitting below the canopy*

## Technical details



### Support structure

- Vertical extruded aluminum supporting profiles, powder coated in black.
- Applicable on uneven or sloping surfaces (up to 2.3 in) thanks to adjustable installation brackets at the top and bottom.
- An aluminum profile coated in black visually covers any gaps that appear when installed on sloping surfaces.

### Linarte finish

- Vertically placed Linarte Even profiles are invisibly affixed to the clips on the outer side.
- Linarte blades coated the same color as the cover (frame and columns).
- Adjoining column cover plates in Linarte finish; the beam above is also concealed behind the Linarte cladding.

### Unfinished

- Aluminum installation brackets to facilitate a horizontal supporting structure (not included) on which a cladding of the customer's choice can be installed (e.g. wood, OSB etc.). Custom finish thickness: 0.5 - 0.8 in.
- Adjoining column cover plates left unfinished; the beam above is also concealed so you can apply the perfect finish to your cladding.

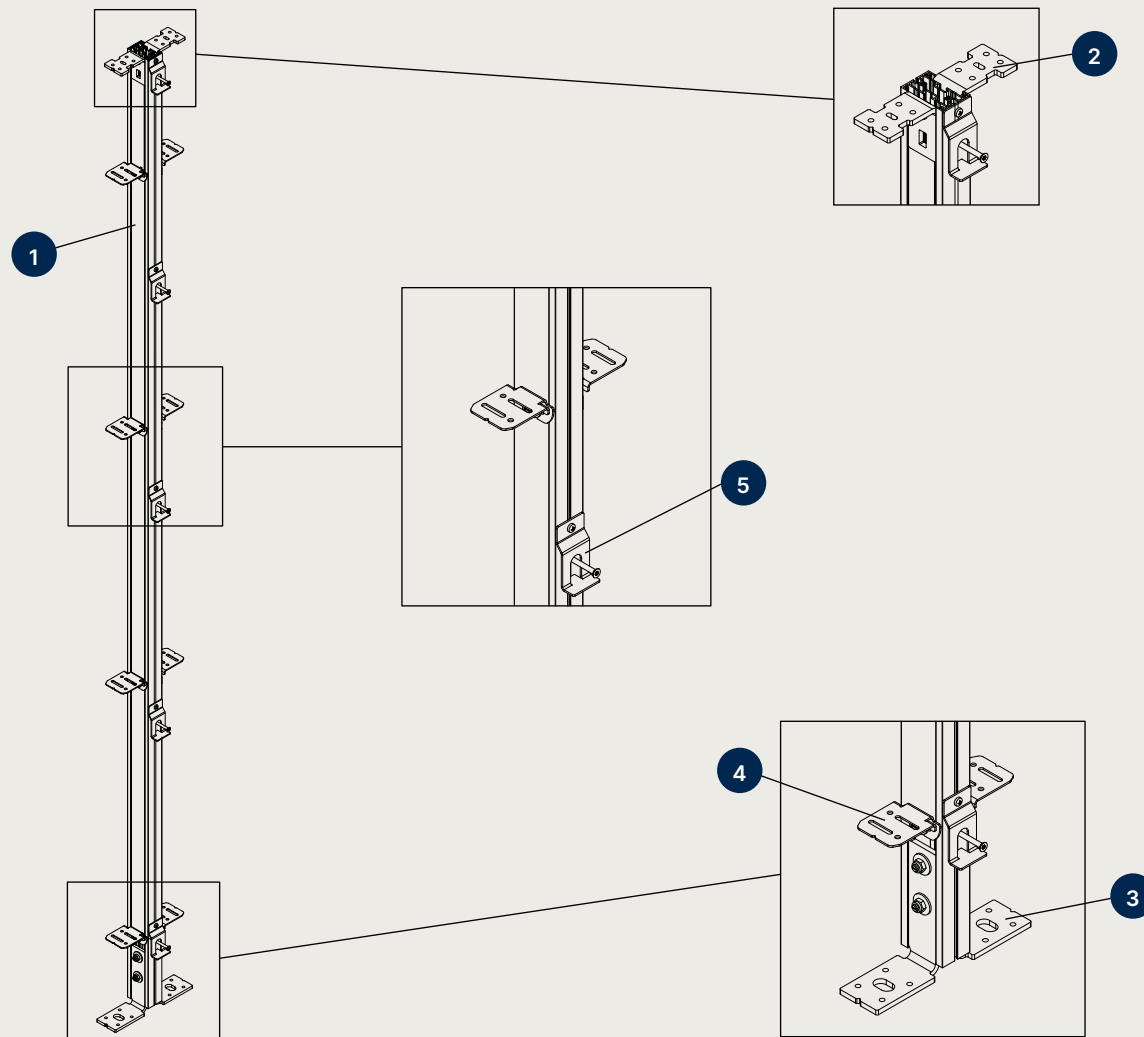
## Technical details



### Sliding door

- Only available in one set size: width 46.22 in, thickness:  $\pm 3.5$  in
- With Linarte Even or unfinished
- Aluminum installation brackets to facilitate a horizontal supporting structure (not included) on which a cladding of the customer's choice can be installed (e.g. wood, OSB etc.)
- Version with Loggia rails and sliding hardware
- Door position: left, right or middle
- A door in the middle can slide to the left or right as preferred
- With catch as standard

## Standard configuration



1. Support
2. Top fixation bracket
3. Bottom fixation bracket
4. Cross bracket
5. Spacer (unfinished as an option)

## Options



- Façade cladding finish:- outside: Linarte Even or unfinished (finish to be applied by customer)- inside: always unfinished (finish to be applied by customer)
- Sliding door min. fixed wall clear width 104 in: door can be placed either on left or right
- Sliding door min. fixed wall clear width 149 in: door can be placed either on left or right, or in the middle of the wall
- Indirect wall LED\*

\* See p. 105 Comfort - Lighting

# ACCESSORIES – CURTAINS

## Description



Durable, weather-resistant curtains that open from the middle towards the side.

- Aesthetic finish for your patio cover
- Choice of 12 colors

↑  
8' 10.3"  
↓

## Technical details



Dimensions	
Clear width	15.7 - 238 in
Passage height	Max. 106 in
Specifications	
Finishing	Double fold
Fullness	2.0
Header*	Double-fold header
Bottom hem*	Double-fold bottom hem
Side hems	Topstitched
Washing instructions	30°
Operating methods	
Manual	✓
Motorized	-

\* Certain fabrics/heights must be finished using a single header or bottom hem



Type of	Color	Material	Colorfastness	Weight
Fine woven	Jadeite (Crystal Lounge)	PE	6/8	2.59 oz/y <sup>d2</sup>
	Ecru (Tech Cocoon)	PE	6/8	2.59 oz/y <sup>d2</sup>
Refined woven	White Corn (Pure Essence)	PE	6/8	4.34 oz/y <sup>d2</sup>
	Planton (Idyllic Garden)	PE	6/8	4.34 oz/y <sup>d2</sup>
	Beige Brown (Spiritual Harmony)	PE	6/8	4.34 oz/y <sup>d2</sup>
Thick woven	Savannah Yellow (Earth Oasis)	PE	6/8	5.49 oz/y <sup>d2</sup>
Lumis	Cream (10)	PP	7/8	6.70 oz/y <sup>d2</sup>
	Sand (20)	PP	7/8	6.70 oz/y <sup>d2</sup>
	Greige (50)	PP	7/8	6.70 oz/y <sup>d2</sup>
	Brown (70)	PP	7/8	6.70 oz/y <sup>d2</sup>
	Anthracite (80)	PP	7/8	6.70 oz/y <sup>d2</sup>
	Light grey (100)	PP	7/8	6.70 oz/y <sup>d2</sup>

## Standard configuration



### Features

- Weather-resistant curtains, to be fitted below the beam
- Rail coated the same color as the cover
- Rail to be mounted directly to the structure
- All curtains are treated using a weather-resistant coating
- The curtains are made in two equal parts (except for curtain widths < 9.1 ft, which are made in one piece)
- The rails do not come pre-mounted to the frame

Fitted using eyelet clamp curtain gliders in a curtain rail

## Options



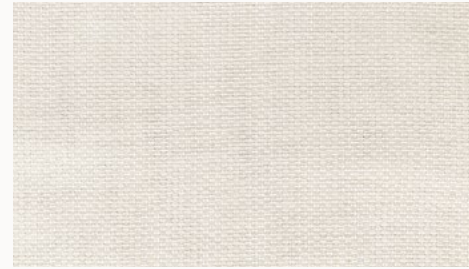
A physical fabric sampler and a digital fabric guide is available for the entire collection of curtains



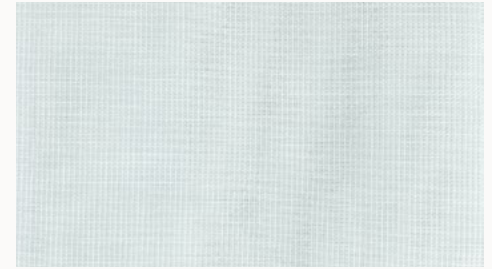
Light grey



Greige



White corn



Jadeite



Cream



Anthracite



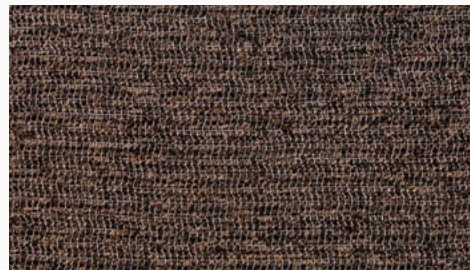
Planton



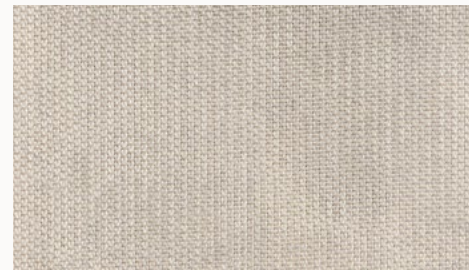
Ecu



Sand



Brown



Beige brown



Savannah yellow

# COMFORT – LIGHTING

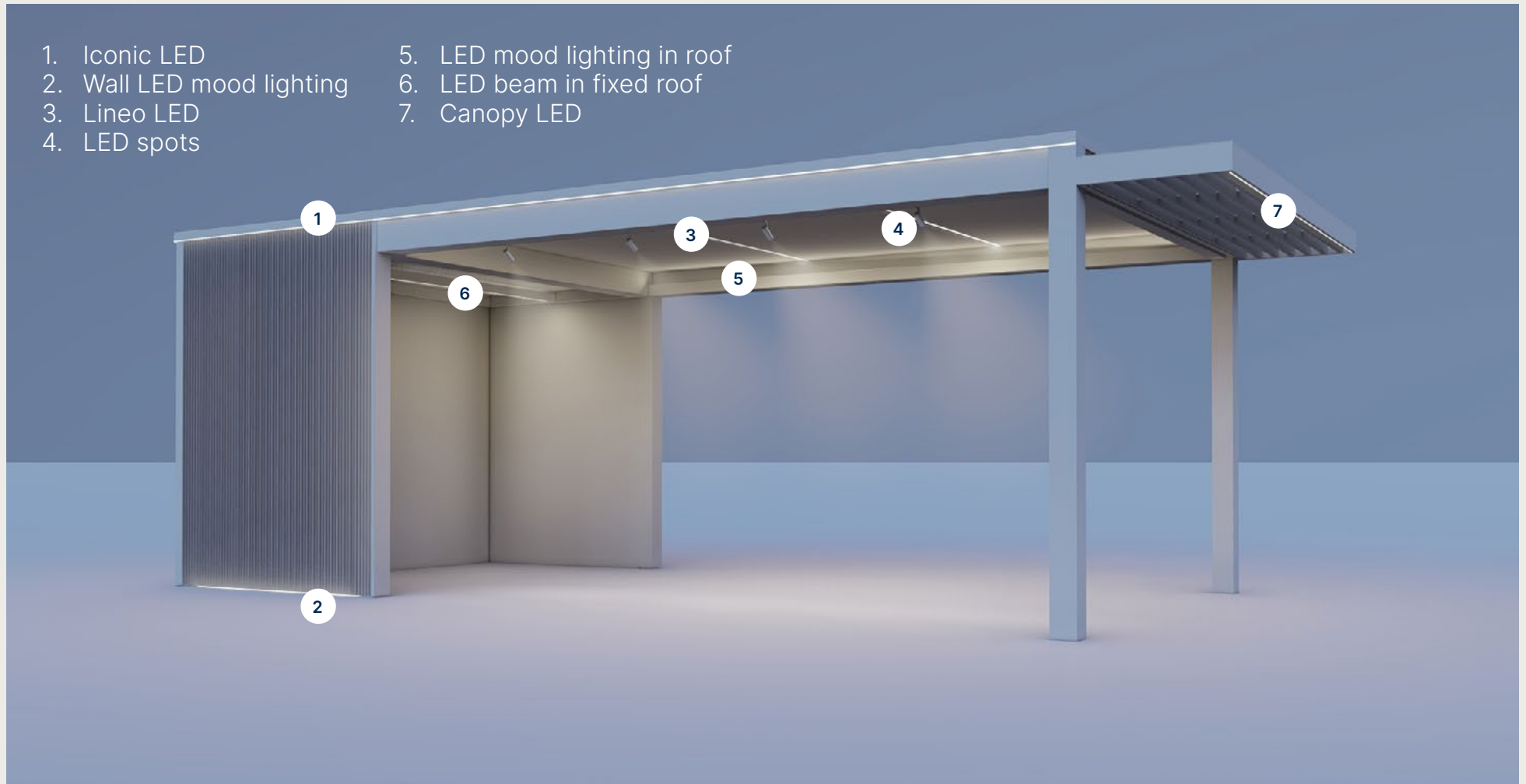
## Description



Various dimmable LED lighting solutions can be integrated as an option.

- **Iconic LED:** architectural lighting surrounding the entire top of the structure
- **Indirect wall LED:** mood lighting below the fixed walls
- **Lineo LED:** functional, integrated LED lighting in the bladed roof with even light distribution
- **Spots:** targeted functional or mood lighting anywhere of your choice in Zone C
- **LED mood lighting in roof:** upward, indirect mood lighting in the roof, from the inside of the frame
- **LED beam in fixed roof:** functional LED lighting in the storage shed
- **Canopy LED:** architectural lighting on the long side of the canopy

1. Iconic LED
2. Wall LED mood lighting
3. Lineo LED
4. LED spots
5. LED mood lighting in roof
6. LED beam in fixed roof
7. Canopy LED





## Benefits



### Iconic LED

Architectural lighting surrounding the entire top of the structure, seamlessly integrated

### Indirect wall LED

- Mood lighting below the fixed walls

### Lineo LED

- Integrated, dimmable LED lighting in the bladed roof with even light distribution
- Available in warm white and pure white light
- The ideal basic lighting system
- No visible dots due to high-quality LEDs (180/rm)
- Dimmable

### Spots

- Thanks to the partnership with our Belgian partner Kreon, we are now able to extend their interior concept to your outdoor living space.
- The bidirectional rotation function allows you to target the light exactly where you need it, enabling you to adjust your lighting experience any time you wish
- Sliding the spots along the rail to adjust your lighting experience also could not be easier
- Seamlessly integrated into the rail system
- Extra spots can easily be retrofitted into the rail

## Benefits



### LED mood lighting in roof

- High-quality IP66 LEDs
- Dimmable
- Soft edge, sideways lighting of the roof blades

### LED beam in fixed roof

- The ideal functional lighting for inside the storage room
- Position in the storage room can be decided during installation
- No visible dots due to high-quality LEDs (180/rm)

### Canopy LED

- Architectural lighting on the front side of the canopy

## Technical details

Features	Iconic LED	Indirect wall LED	Lineo LED	Spots	LED mood lighting in roof	LED beam in fixed roof	Canopy LED
Quantity	all sides	all walls	1, 2, 3	4 (+2)	2 sides	1, 2, 3	all sides
Color temperature (K)	warm white 3500 K	warm white 3500 K	warm white 2700-2950 K pure white* 4500-5000 K	warm white 2700 K	warm white 3500 K	warm white pure white	warm white 3500 K
Number of LEDs	140 LEDs/in	140 LEDs/in	180/ft	N/a	140 LEDs/in	180/ft	140 LEDs/in
LED power	9.6 W/ft	9.6 W/ft	20 W/ft	8 W	9.6 W/ft	20 W/ft	9.6 W/ft
System power	96 W/ft	96 W/ft	21.6 W/ft	-	96 W/m	21.6 W/ft	96 W/ft
Luminous flux (lumen)	230 lm/ft	230 lm/ft	1660 lm/ft	361 lm/pc	230 lm/m	1660 lm/ft	230 lm/ft
Voltage	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
Current	0.4 A/ft	0.4 A/ft	0.83 A	0.7 A	0.4 A/ft	0.83 A	0.4 A/ft
Lifespan	60,000 h	60,000 h	30,000 h	50,000 h	60,000 h	30,000 h	60,000 h
Dimmable	✓	✓	✓	✓	✓	✓	✓
IP rating	IP 66	IP 66	IP 24	IP 67	IP 66	IP 24	IP 66
Controls	Somfy RTS	Somfy RTS	Somfy RTS	Somfy RTS	Somfy RTS	Somfy RTS	Somfy RTS

\* If any other lighting is selected for the patio cover, Lineo LED is only available in warm white light

## Standard configuration: iconic LED



### Base

- The LED module seamlessly continues all around the top of the patio cover.
- All covers come with the channels needed to fit the LED module and diffuser.

### Finishing

- A diffuser is always fitted, even if this optional LED lighting has not been selected.
- This diffuser keeps the cover watertight and prevents insects from infiltrating this zone.

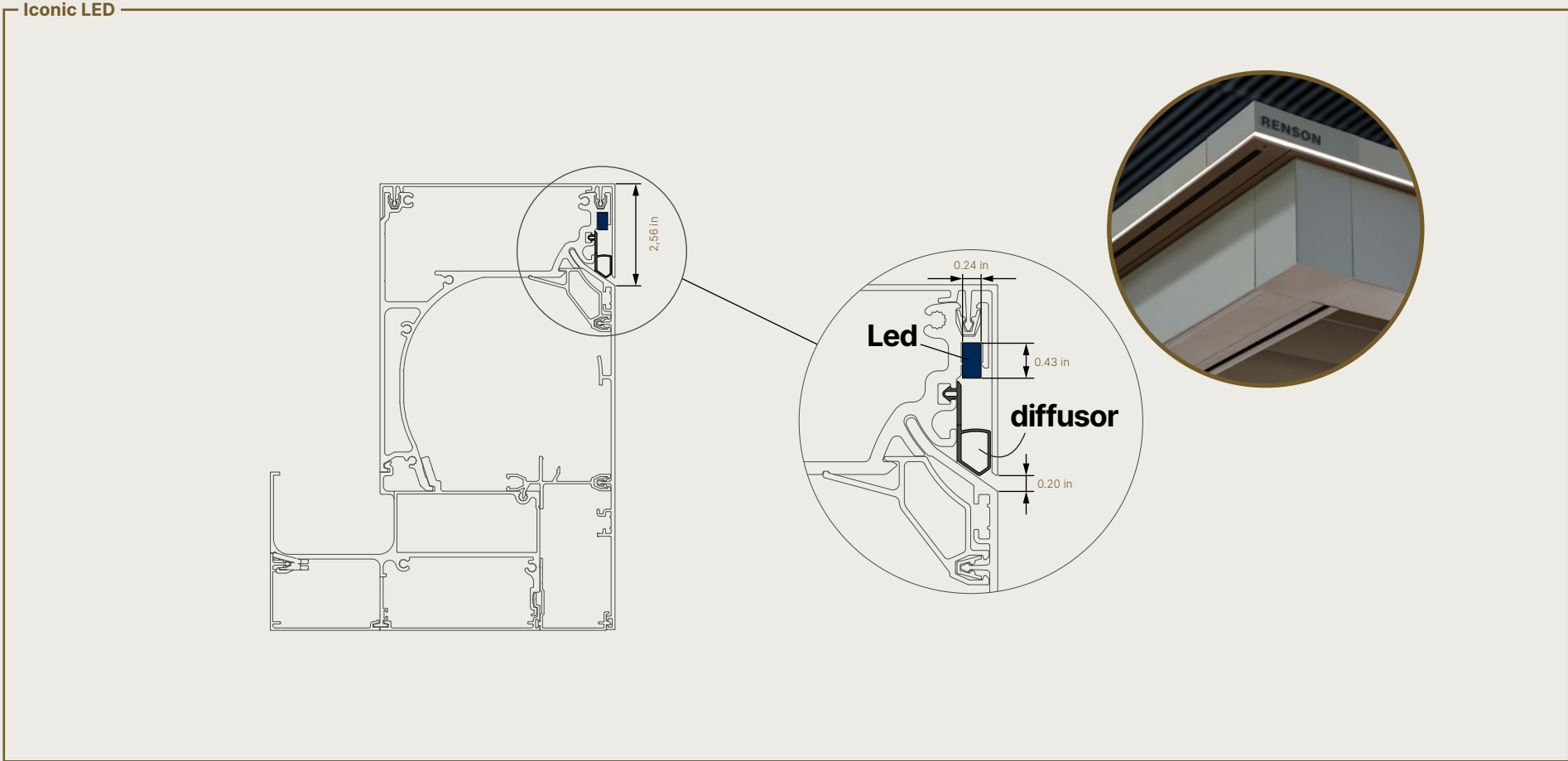
### Controls/Operation

- The iconic LED is connected to a dimmable Somfy RTS LED controller.
- The LED line can be connected to multiple controllers.

### Integration

- The LED modules are invisibly concealed within the structure of the upper beam.
- The LED lighting continues uninterrupted across the corners.

# Technical drawings: iconic LED



## Standard configuration: indirect wall LED



### Basic profile

- An aluminum supporting profile is fitted at the bottom of the fixed wall as standard.
- LED lighting can be integrated in this supporting profile as an option.

### Finishing

- The LED consists out of a neon flex LED module.

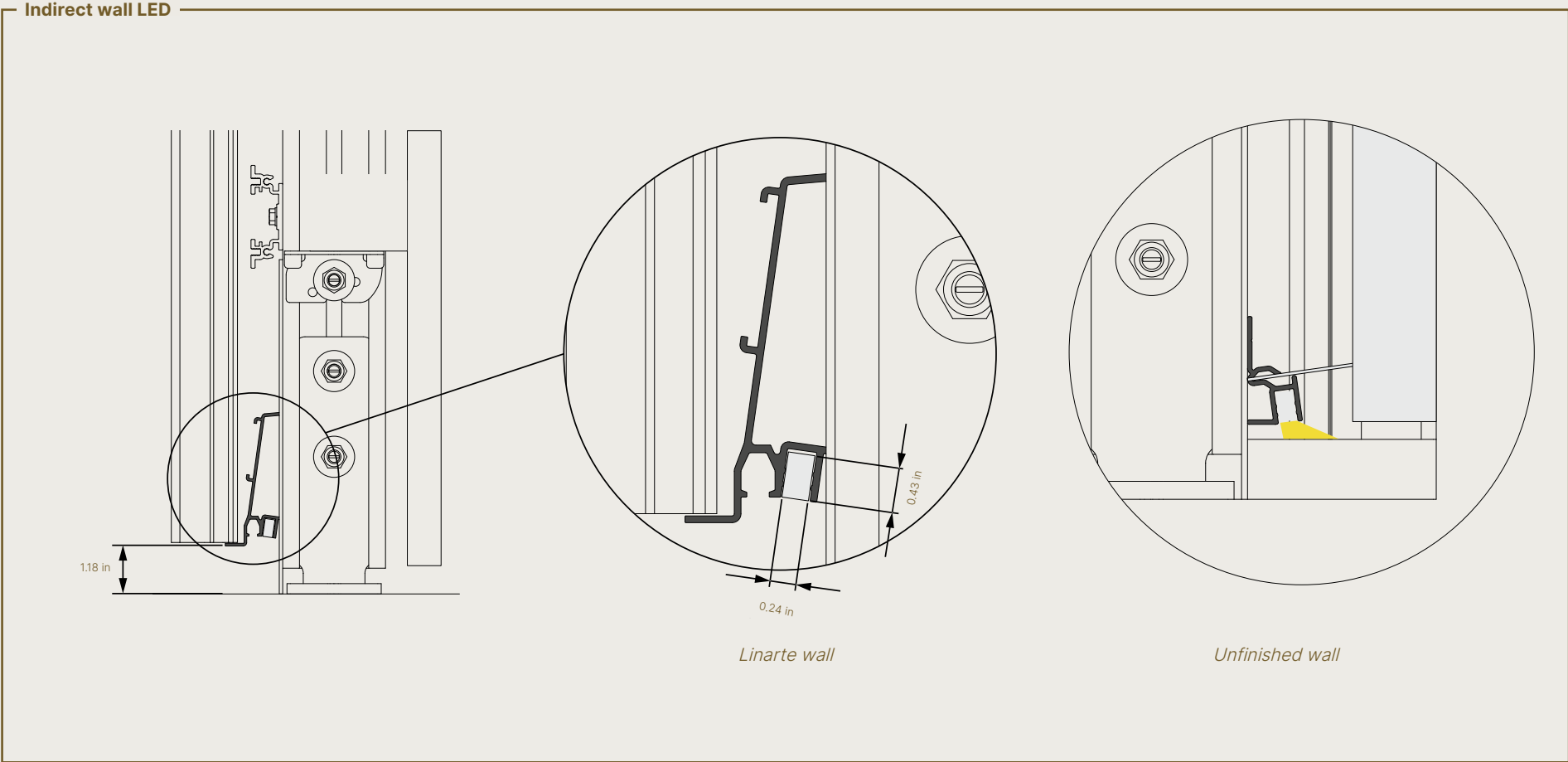
### Controls/Operation

- The LEDs are connected to a dimmable Somfy RTS LED controller.
- The LEDs can be controlled using the Renson Connect app or using a Somfy remote control.
- Max. range: 32 ft.

### Integration

- The LED lighting is invisibly integrated into the supporting profile along the full length of the fixed wall (between the columns only, not below the door). This lighting lends the wall a floating effect.

# Technical drawings: indirect wall LED



## Standard configuration: Lineo LED



### Basic profile

- Aluminum, powder coated the same color as the cover, without surcharge as standard
- All profiles are coated to Seaside Quality A

### Finishing

- A UPVC strip is fitted as a diffuser, providing an even spread of light

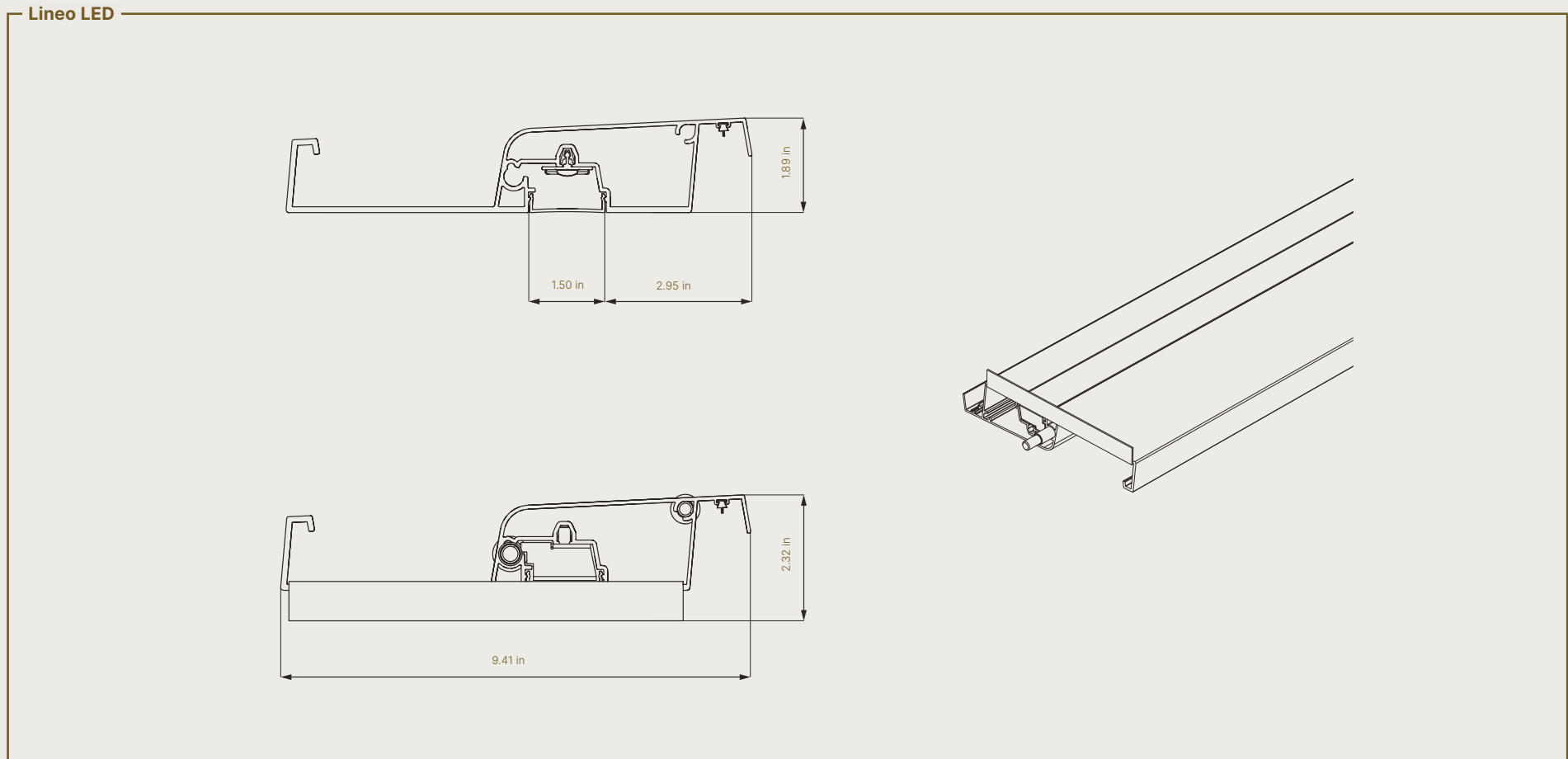
### Controls/Operation

- Lineo LED blades connected to the same receiver cannot be controlled separately
- Lineo LEDs can be controlled using a Somfy remote control. Max. range: 32 ft

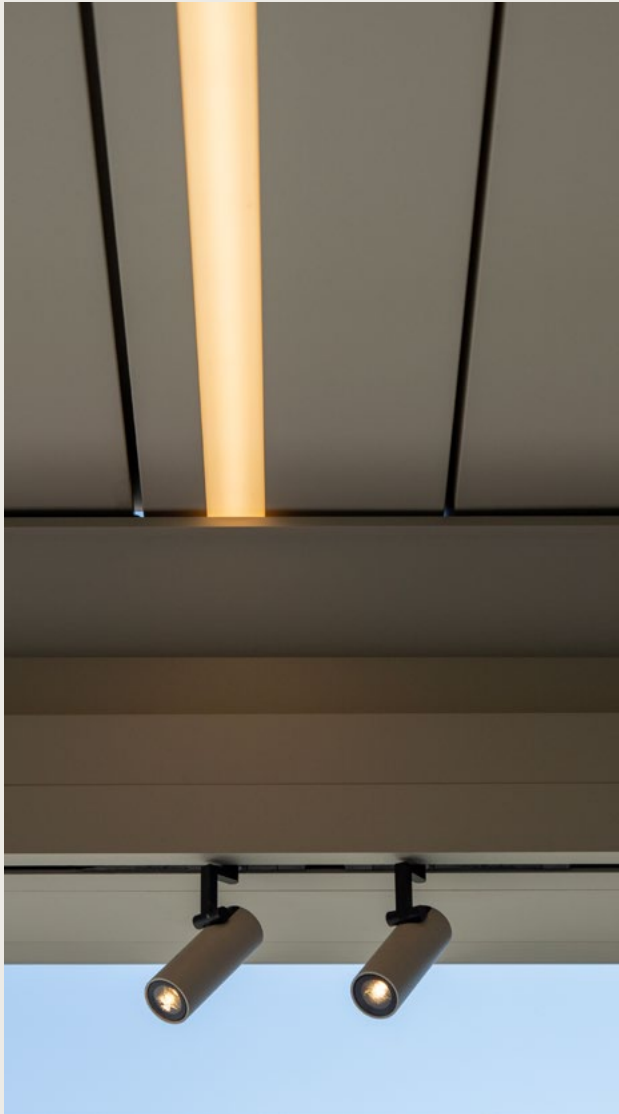
### Integration

- The LED module is integrated along the full length of the blade
- As such, it can only be ordered together with the basic structure

## Technical drawings: Lineo LED



## Standard configuration: spots



### Base

- Standard pack of four spots.
- The spot, hinge and rail support always come in black.

### Finishing

- The round aluminum housing of the spot is coated the same color as the cover.
- A black rubber is fitted to the spot rail to conceal the wiring.

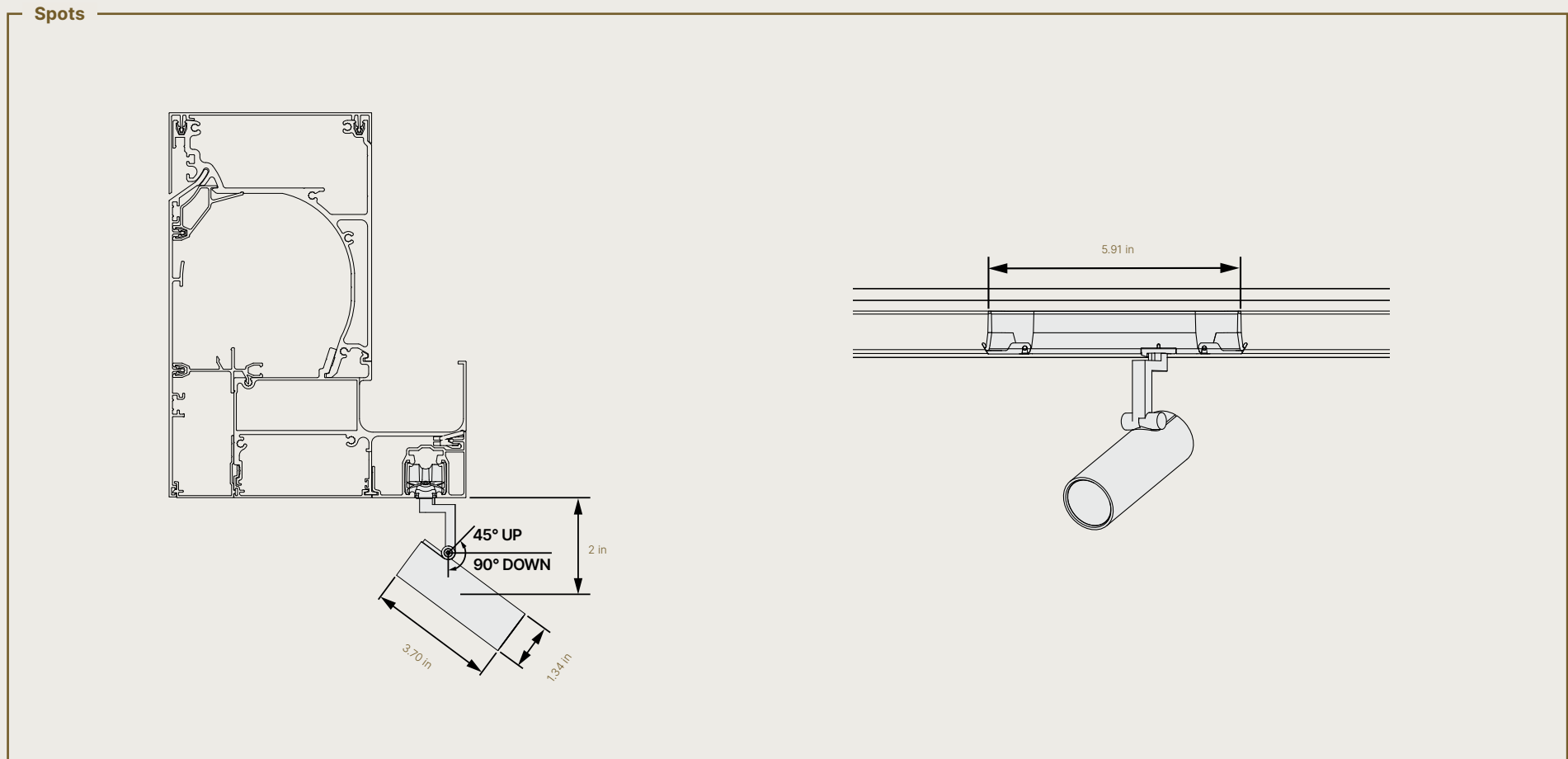
### Controls/Operation

- The spots are connected to a dimmable Somfy RTS LED controller.
- The controller has four channels that can be operated separately, each 5-channels controlling a maximum of seven spots.
- The spots can be controlled using a Somfy remote control.
- Max. range: 32 ft.

### Integration

- A Loggia rail will be added to the side on which the spots are to be placed, as the mounting elements and wiring will be integrated in this rail. If the spots are to be placed on the span side, a non-functional surface-mounted gutter will be fitted if necessary.

## Technical drawings: spots



## Standard configuration: LED mood lighting in roof



### Basic profile

- This option is only possible in a bladed roof.
- The LED mood lighting will be fitted in the pivot gutter.
- Not possible on the span side or as surround lighting.

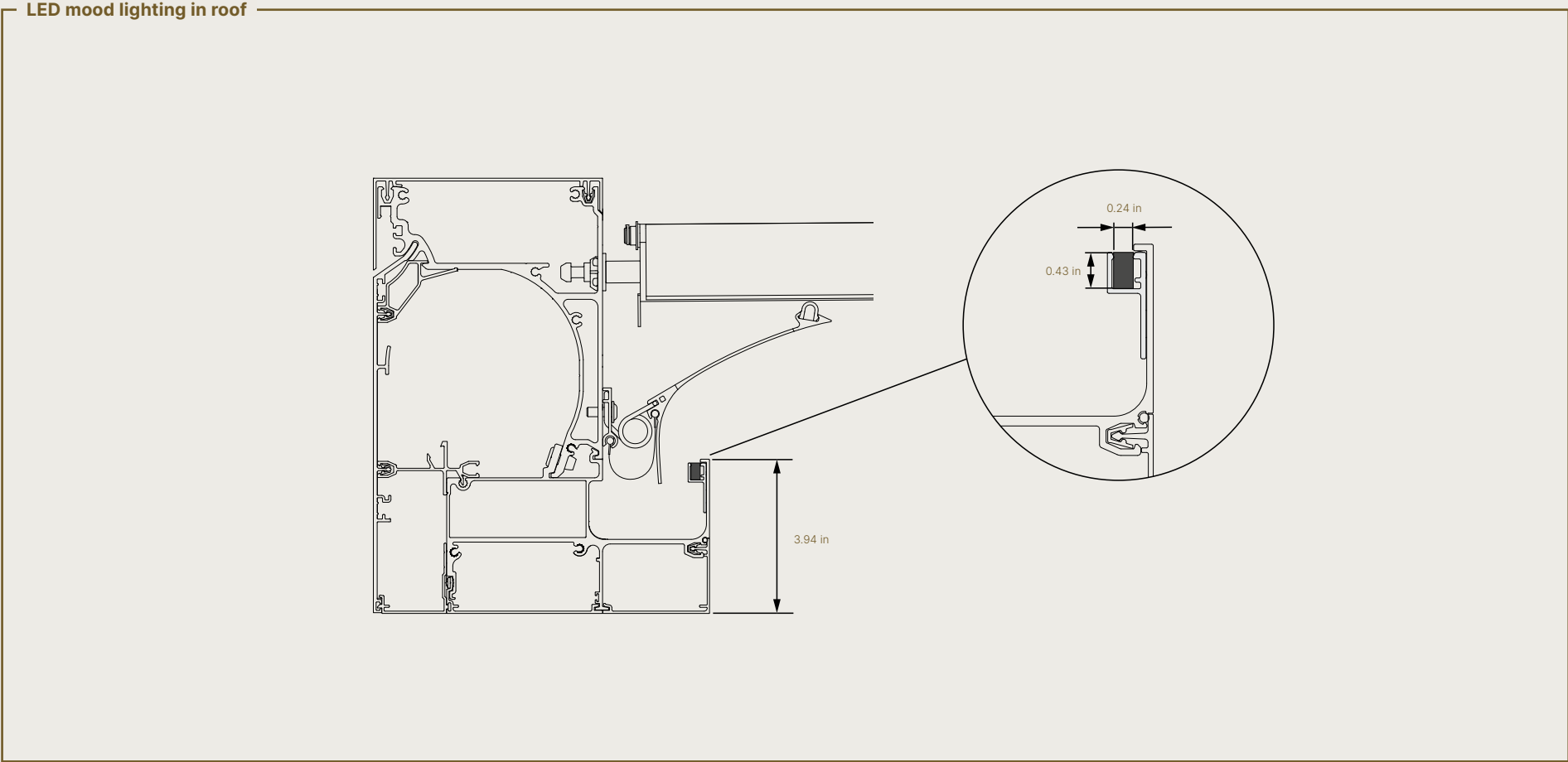
### Finishing

- The LED consists out of a neon flex LED module.

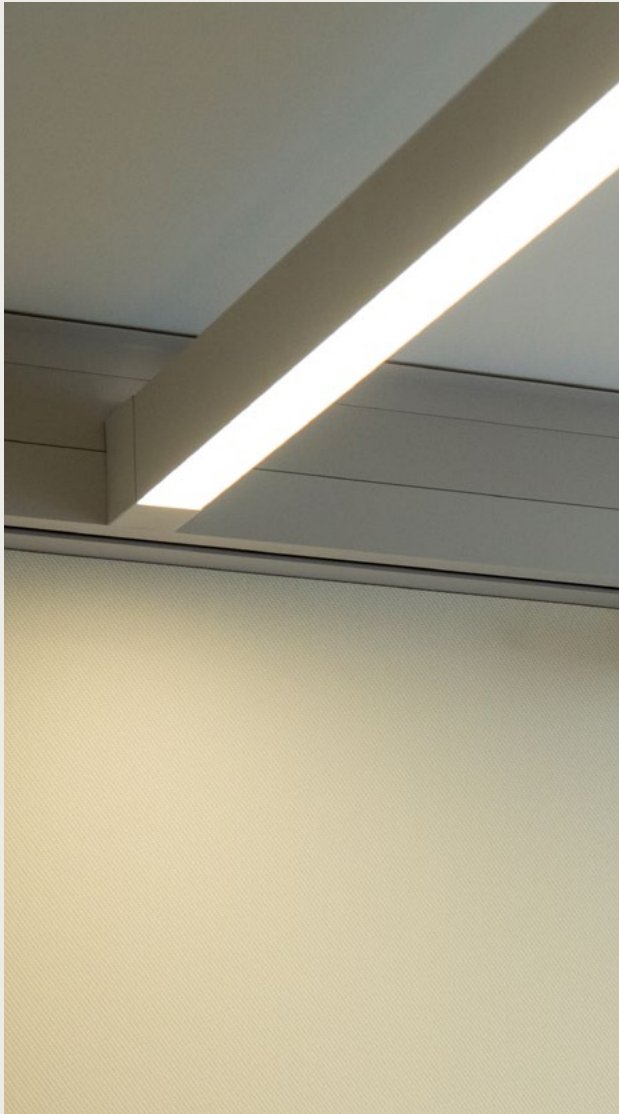
### Controls/Operation

- The LEDs are connected to a dimmable Somfy RTS LED controller.
- The LEDs can be controlled using a Somfy remote control.
- Maximum range: 32 ft.

# Standard configuration: LED mood lighting in roof



## Standard configuration: LED beam in fixed roof



### Base

- Aluminum, powder coated, visible parts in the same color as the cover.
- All profiles are coated to Seaside Quality A.

### Finishing

- A UPVC strip is fitted as a diffuser, providing an even spread of light.

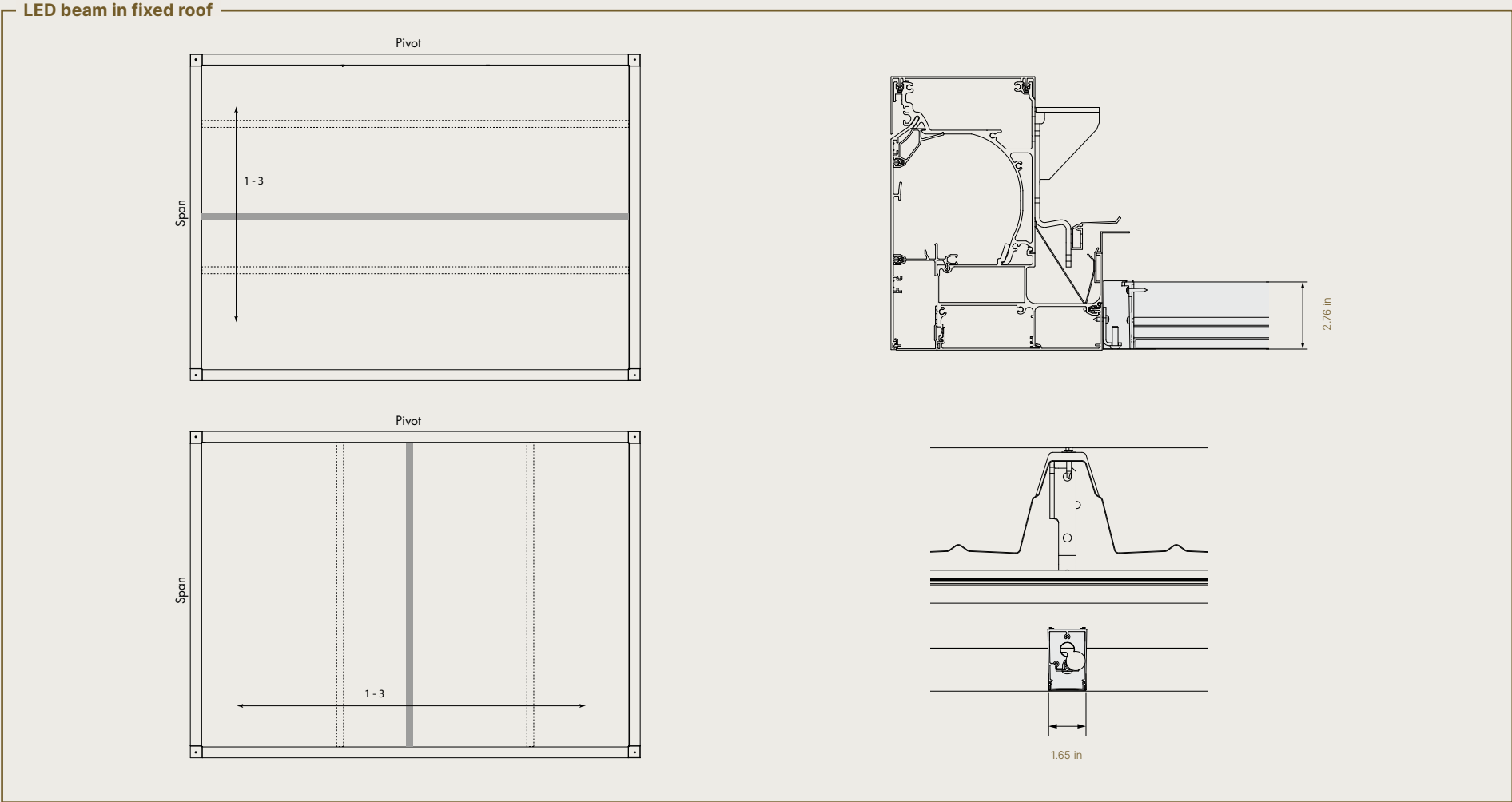
### Controls/Operation

- The LED beam comes fitted with a dimmable Somfy RTS LED controller.
- The LEDs can be controlled using a Somfy remote control.
- Max. range: 32 ft.

### Integration

- The LED lighting is integrated in an aluminum profile suspended from the span or pivot side. The location (span or pivot) is to be decided when the order is placed.

# Technical drawings: LED beam in fixed roof



## Standard configuration: canopy LED



### Base

- The aluminum front profile of the canopy is available in two versions. A fully enclosed version is used in canopies without LED.
- A version with a channel is used in canopies with LED, and the LED module is fitted inside this notch.

### Finishing

- The LED consists out of a neon flex LED module.

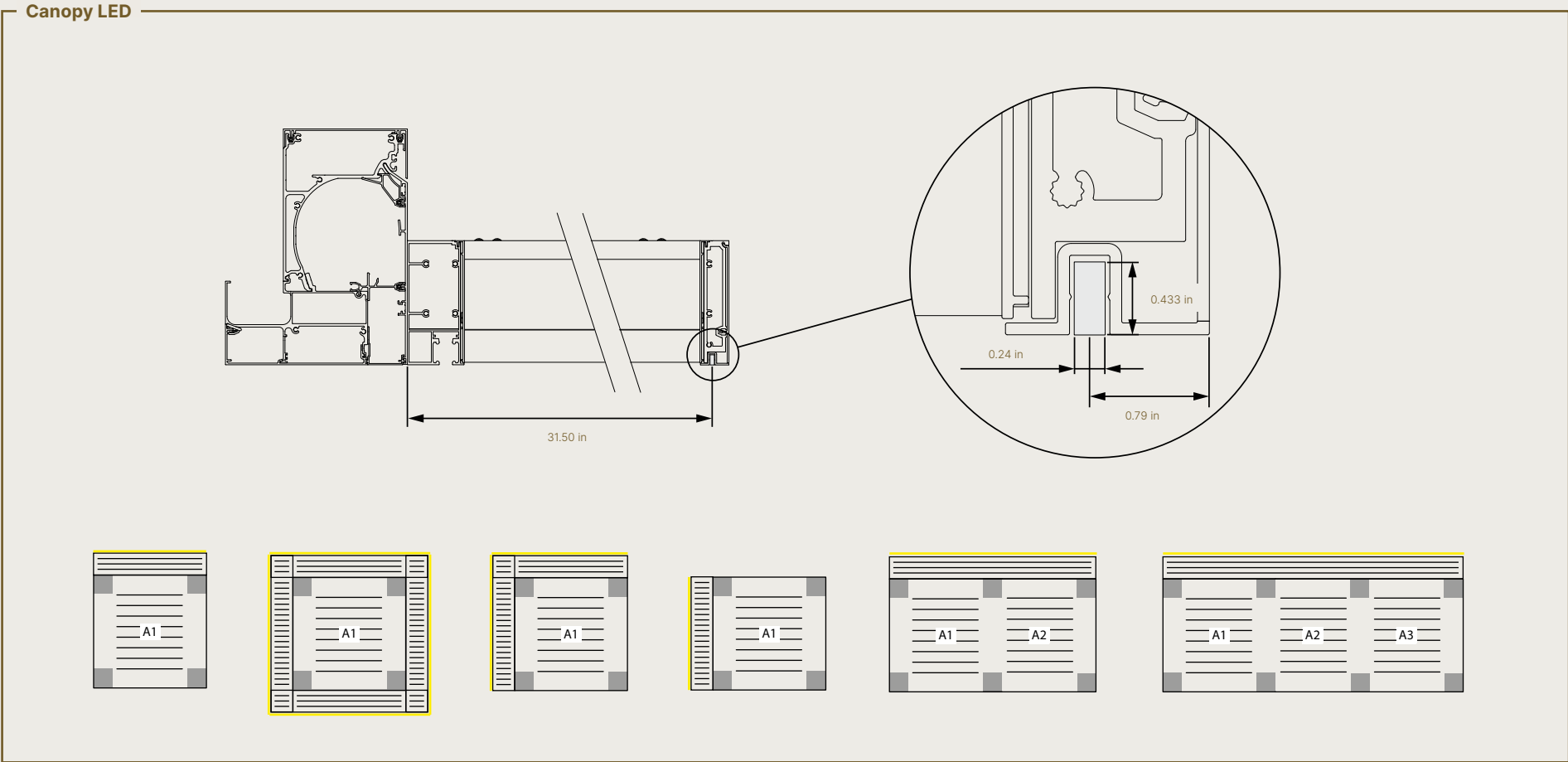
### Controls/Operation

- The canopy lighting is connected to a dimmable Somfy RTS LED controller.
- The LEDs can be controlled using a Somfy remote control.
- Maximum range: 32 ft

### Integration

- The LED lighting is fitted in the notch underneath the front profile of the canopy.

# Technical drawings: canopy LED



## Compatibility/restrictions



### Iconic LED

Not applicable on sides with a canopy

### Indirect wall LED

- Not possible below the door in a wall with a door
- Only applicable on a fixed wall

### Lineo LED

- Can be combined with wooddesign roof blades

### Spots

- A Loggia rail is fitted on the selected LED side(s)
- Cannot be combined with a wall with a door on the same side
- Cannot be combined with Loggia panels in the same rail

### LED mood lighting in roof

- Always on both pivot sides
- Possible in combination with Protecto
- Only possible in bladed roof version

### LED beam in fixed roof

- Maximum three LED beams per roof zone

### Canopy LED

- Not applicable on the short side of a canopy

# COMFORT – LINEO® LUCE

## Description

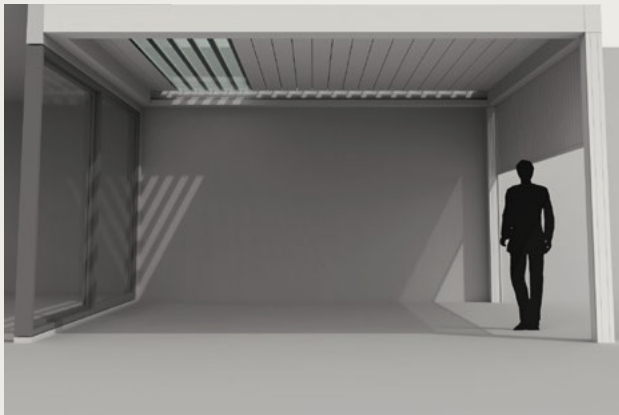


**A translucent glass blade can be added to your patio cover**

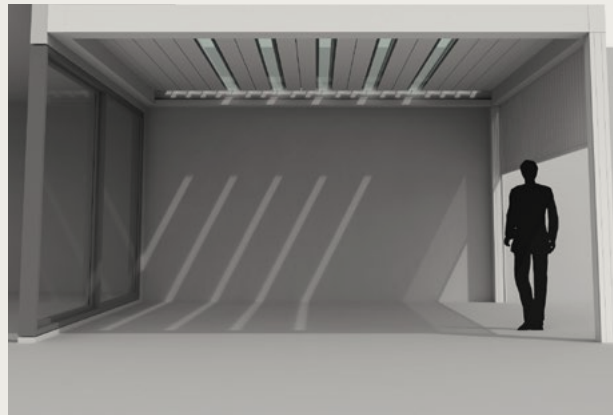
- Can be placed in a position of choice
- Perfect integration into the bladed roof

## Benefits

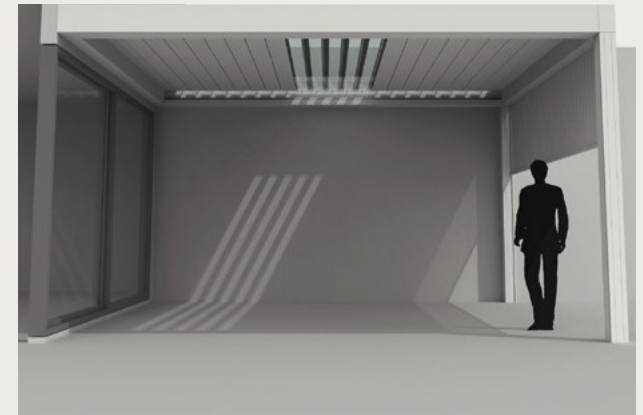
- More openness and light underneath your patio cover.
- Allows extra light to enter your home when the roof is closed.



**Light in your home with the roof closed**



**Light under the patio cover with the roof closed**



**Light under the patio cover with the roof closed**

## Technical details



Features	
Min. span	39.37 in
Max. span	157.48 in (due to bending)
Position	As required. Cannot be placed as the first or last blade
Glass	0.31 in
Operating methods	
As per bladed roof operating method	

### Standard configuration

#### Basic profile

Translucent blade made of laminated safety glass and aluminum supporting profiles. Powder coated in the same color as the cover.

#### Glass

Matte, laminated safety glass

### Compatibility and restrictions

- Lineo Luce cannot be combined with Wooddesign in the same roof section.
- Maximum five translucent blades per roof section.
- Cannot be installed as the first, second and/or last blade.

# COMFORT – LINEO® FIX

## Description and benefits



**Fixed, non-rotating blade used to attach extra accessories to a bladed roof. Lineo Fix replaces one standard rotating blade.**

Can be used to mount devices or light fixtures suitable for outdoor use, such as heating, sound, electricity, lighting, a fan etc. (not supplied by Renson®).

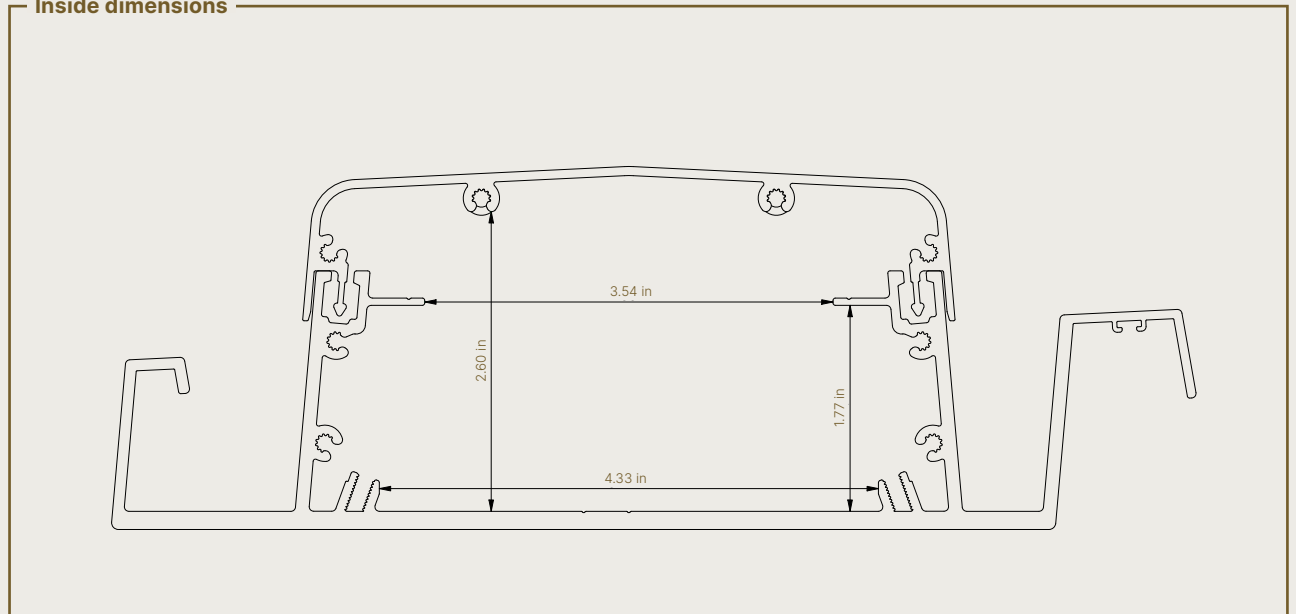
- Invisible when the roof is closed
- Can be used to affix light fixtures, a fan, heating etc. at a location of your choice on the rotating bladed roof.
- Invisible integration of electrical wiring.

## Technical details

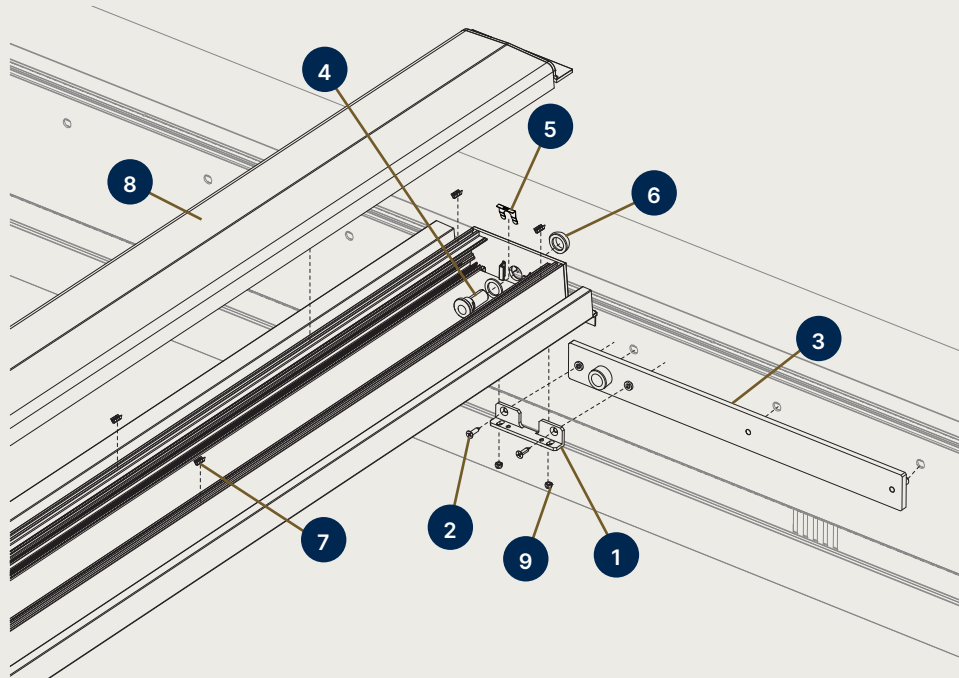


Features	
Blade height	3.15 in
Max. load	span 157.48 - 177.17 in : 11.02 lb
	span 137.8 - 157.48 in : 22.05 lb
	span < 137.8 in: 27.56 lb
Cable feed opening	Ø 0.047 in

### Inside dimensions



## Standard configuration



- One fixed blade consisting of top and bottom covers, clips etc.
- Two fixation brackets and accessories
- Axle bore and circlips to serve as cable feed or sealing caps

1	Fixation bracket
2	DIN 7982 CH-St 4.8×19
3	Amani drill jig
4	Axle bore + seal
5	Clip spring washer
6	Sealing cap
7	Schüco clips
8	Cover
9	M8 locking bolt

## Compatibility/restrictions

- Maximum load up to 27.56 lb per Lineo Fix, limited depending on the span size.
- Lineo Fix replaces one standard roof blade.
- Lineo Fix cannot be combined with Wooddesign.

## Mounting

Maximum three Lineo Fix for pivot up to 19.69 ft / maximum four Lineo Fix for pivot > 19.69 ft.

Lineo Fix can be fitted in a position of your choice. The mounting holes required to do so must be drilled on site. A drill jig is available for this purpose (optional).

In combination with Lineo LED: maximum five Lineo blades per Amani, of which max. three Lineo Fix for pivot  $\leq$  19.69 ft or max. four Lineo Fix for pivot > 19.69 ft.



# COMFORT – LINEO® HEAT

## Description and benefits



Heating element with short-wave infrared radiation, aesthetically integrated into a fixed blade of the bladed roof.

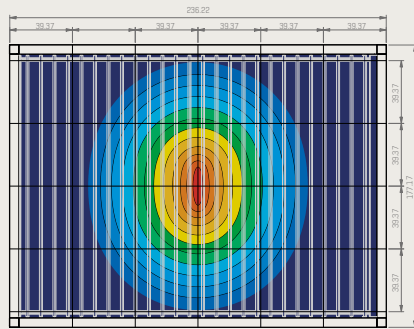
- Provides pleasant radiant heat
- Offers instant heat distribution
- Elegantly integrated into the blade with heat-resistant ceramic glass

## Technical details

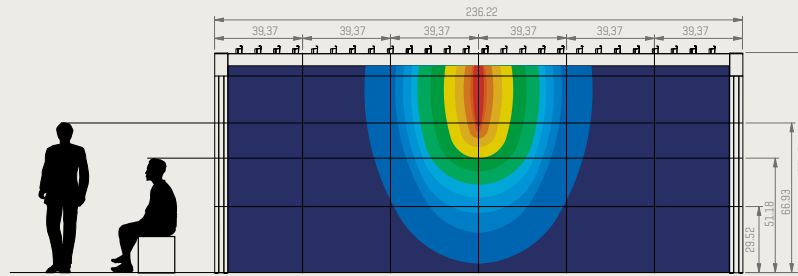
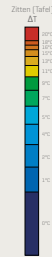


Features	
Blade height	3.15 in
Max. extra load	span 157.48 - 177.17 in : 6.61 lbs span 137.8 - 157.48 in : 11.02 lbs span < 137.8 in : 22.05 lbs
Cable feed opening	Diameter 0.47 in
Heat	
Ceramic glass dimensions	± 43.31 × 4.33 × 0.16 in
Number of heating elements	1 or 2
Heating type	Radiant heat Short-wave infrared radiation
Power	1400 W per heating element (2 lamps of 700 W)
Current	6.1 A per heating element
Voltage	230 V
Power supply	3G25 cable per heating element
Lamp lifespan	4000 hours
Dimmable	-
IP rating	IP 54
Operation	
Hardwired	Switch to be provided by 3rd party

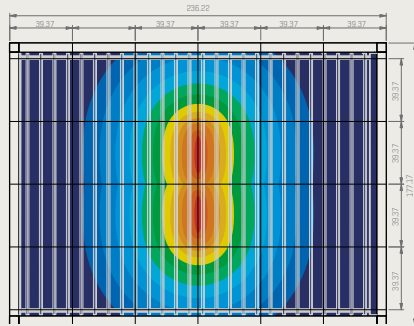
# Technical details



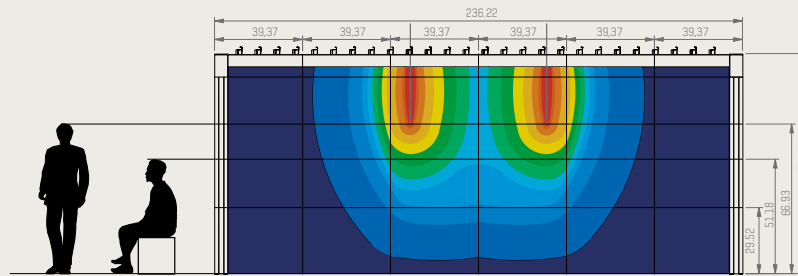
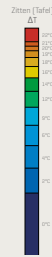
One Lineo Heat blade with one heater



One Lineo Heat blade with one heater



One Lineo Heat blade with two heaters



Two Lineo Heat blades with one heater



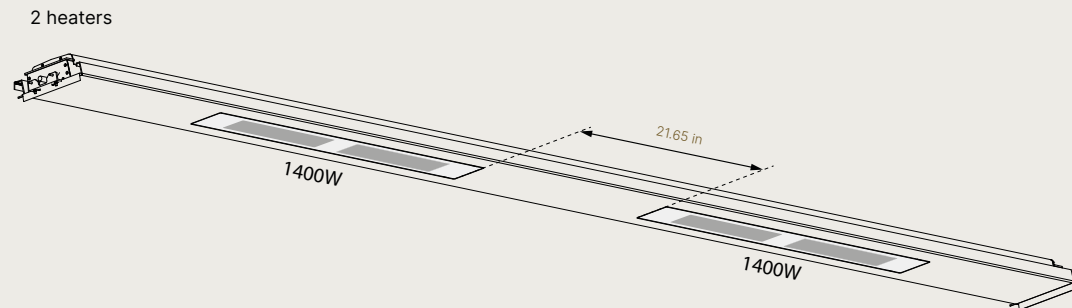
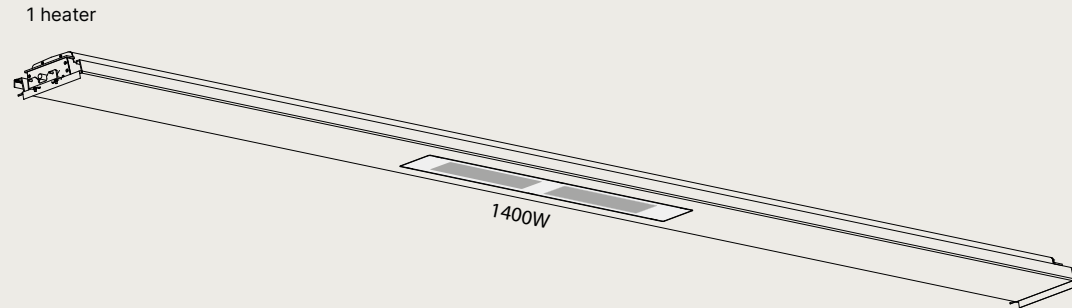
## Standard configuration

- One fixed blade with one or two heaters
- Two fixation brackets and accessories
- Axle bore and circlips to serve as cable feed or sealing caps

	Minimum span (in)
One heater	84.49
Two heaters	149.53

## Compatibility/restrictions

- Lineo Heat replaces one standard roof blade
- Lineo Heat cannot be combined with wooddesign

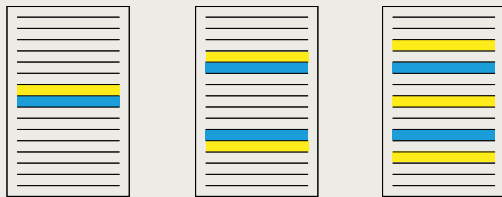


## Mounting

Maximum three Lineo Heat for pivot up to 236.22 in / maximum four Lineo Heat for pivot > 236.22 in.

Lineo Heat can be fitted in a position of your choice. The mounting holes required to do so must be drilled on site. A drill jig is available for this purpose (optional).

In combination with Lineo LED, Fix or Luce: maximum five Lineo blades per Amani, of which max. three Lineo Heat for pivot  $\leq$  236.22 in or max. four Lineo Heat for pivot > 236.22 in.



## Options



- Choice of black or white ceramic glass cover.
- Choice of one or two heaters per blade (if sufficient span length is available).
- The heaters are always fitted in a set position: - one heater can be fitted centrally, to the left or to the right, but the distance to the pivot is always predefined. - two heaters are always placed centrally, at a predefined distance of 21.65 in from each other. It is NOT possible to deviate from this setup.

# COMFORT – ELECTRICAL OUTLET

## Description and benefits



**Optional fully integrated power outlet with a 110 V or USB-A connection to enhance the comfort level of your Amani cover.**

- Invisibly concealed within the column
- Seamless integration of power outlet or USB-A connection
- Splash resistant
- Adjustable height and position to your preference
- CE certified

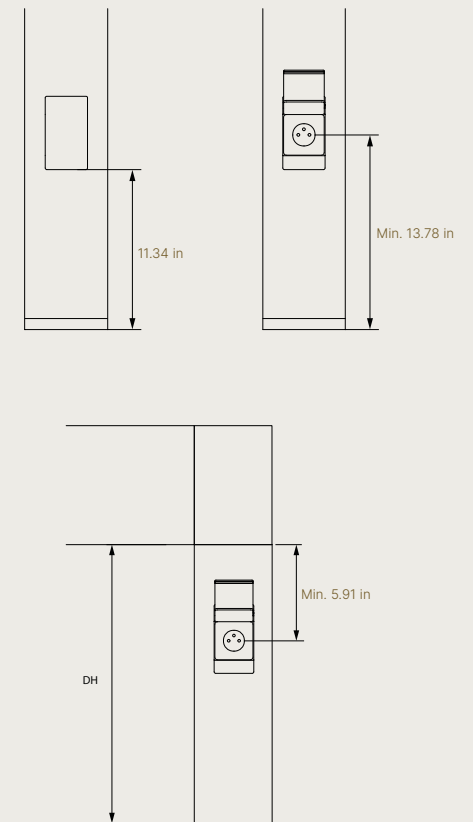
## Technical details

Features	
Brand	Legrand/Niko
Dimensions	
Hole diameter	2.72 in
Height (centre of the hole diameter)	Minimum 13.78 in* Maximum. PH – 5.91 in
Electrical outlet	
Type	Mosaic Socket Outlet US 2P+E
Nominal voltage	127 V
Nominal current	15 A
Frequency	50-60 HZ
Water resistant	✓
Charging point	
Type	USB-A (dual port)

\* Respect the minimum installation height according to the applicable standards

PH = passage height

### Surface-mounted electrical outlet



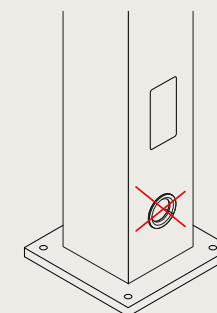


### Standard configuration

- Single power outlet.
- Renson arranges the hole in the column into which the outlet is to be fitted. The selected power outlets or USB chargers are supplied separately.

### Compatibility and restrictions

- Maximum one outlet possible per column.
- An outlet cannot be placed in columns with water drainage.
- An outlet is not possible on the column side against which one of the following inserts connects: Fixscreen, glass sliding panels, Outdoor Loggia, Linius or Linarte.



## Options



*Empty socket for integration of own functionality in the different types*



*Stock outlet US*



*Adapter frame\**

*Double USB-A charger*

\* for integration of other 1.77 × 1.77 in technology (non-Renson)

# COMFORT – SENSORS

## Description

**For optimal protection, our patio covers can be combined with a rain and/or wind sensor.**

These sensors monitor your comfort and respond automatically to changes in specific conditions, based on preset scenarios to meet your needs and requirements or weather circumstances. They do so based on pre-set scenarios, to meet your needs and requirements and/or based on weather circumstances.

Our sensors continue to operate fully fully autonomously, even when you're away from home, extending the lifespan of your sun protection. Additionally, automated sun protection can reduce your energy consumption by up to 36%.

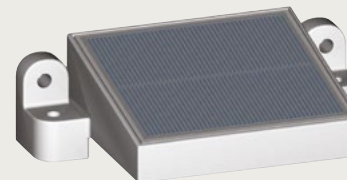
## Operation



### Wind sensor

A wind sensor can automatically retract your sun protection depending on a preset wind speed. This protects your screen from unexpected strong winds. Our wireless sensor is easy to install and requires minimum wiring. Setup is also straightforward.

- Detection occurs via an optional wind sensor
- Only one wind sensor is needed per installation
- Multiple Fixscreens and bladed roofs can be connected to a single wind sensor
- Wind protection ensures Fixscreens retract and blades close



### Rain sensor

A rain sensor can automatically close your roof when rain is detected, keeping the furniture underneath your patio cover dry at all times. Combined with a temperature sensor — which comes integrated as standard — a rain sensor can also serve as a snow sensor. When precipitation is detected below a certain temperature, the sensor will recognise it as snow and move the roof to the preset snow position. The roof will close in light snow or open in heavy snow.

- Detection occurs via an optional rain sensor connected to the motor control box
- One rain sensor per roof
- Prevents water from entering underneath the bladed roof when it is raining

## Operation

### Frost detection

- Detection is achieved via an internal temperature sensor in the motor control box.
- This prevents the blades from freezing shut.

### Snow detection

- Detection is achieved via an internal temperature sensor in the motor control box, in combination with a rain sensor.
- Frost (temperature below 37°F) combined with rain is recognised as 'snow'.
- This prevents excess snow load on the roof.

### Priority (high ▶ low)

Wind ▶ Snow ▶ Frost ▶ Rain

### Override

Each of these functions is a safety feature. Overriding them can be dangerous — you are effectively turning off your safety mechanisms.

When using RTS, only the rain sensor can be overruled.

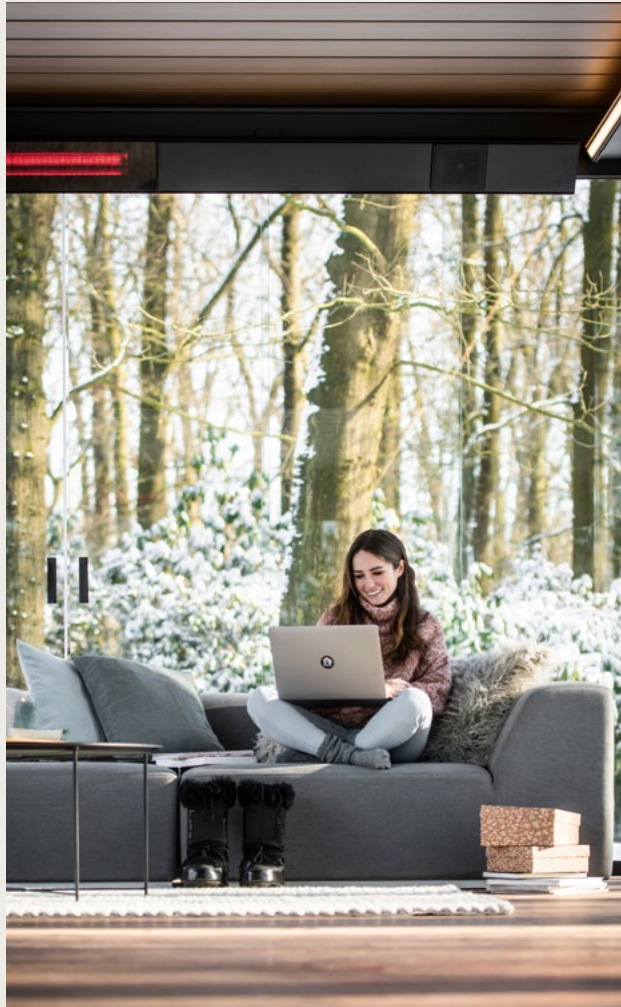


### Important note regarding frost and snow protection function:

The temperature sensor is located in the motor control box. In certain circumstances, the temperature in this box can differ slightly from the actual outside temperature, which may cause the blades to open or close unexpectedly. This can be problematic in areas with regular snowfall. As a solution, the rain sensor can be disconnected in winter to allow manual operation of the blades.

# COMFORT – CONTROLS

## Description



The roof or accessories can be controlled in various ways. The 'Options' section provides all the detail you need.

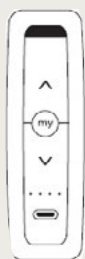
- RTS remote control





## Remote controls

Naturally, you can also control your patio cover using a simple remote control.



Situo RTS Pure II (one or five channels)		
	Operate	Programme
Amani blades	✓	✓
Fixscreen	✓	✓
LED lighting	✓	✓
Heat	✓	✓



Situo VAR RTS Pure II (one or five channels)		
	Operate	Programme
Amani blades	✓	✓
Fixscreen	✓	✓
LED lighting	✓	✓
Heat	✓	✓

**Please note:** - Scroll wheel = LED intensity (when the remote is in Mod. 2) - Up/down button = change color - The LED intensity can be changed incrementally using the scroll wheel



Tellis 16 RTS Pure (16 channels)*		
	Operate	Programme
Amani blades	✓	✓
Fixscreen	✓	✓
LED lighting	✓	✓
RGB Led	✓	✓
Heat(dimmmable)	✓	✓

**Please note:** The RGB colour can only be changed by pressing multiple buttons (MY + UP/DOWN)

## Automation - Somfy RTS

Somfy IO	Order code	Description	Amani
Remote control	5207	Situo 1 RTS Pure II US	✓
	5208	Situo 5 RTS Pure II US	✓
	5205	Telis 16 RTS Pure US	✓
Wind sensor	1067	Wind sensor kit RTS USA 24DC	✓
Rain sensor	1497	Ceramic rain sensor 24 V	✓



5207



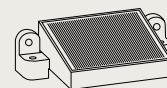
5208



5205



1067



1497

# CERTIFICATES & TESTING

## Certificates & testing

### CE – DOP documents

- CE / DoC / DoP / ETA
- EUROCODE CALCULATIONS

### Certificates

- REACH / Lacquer guarantee sea coast
- REACH - RoHS / AluEco
- VMRG Zonwering
- Registration certificate
- UKCA

### Declarations

- Declaration of Material codes
- Declaration of Powder coating
- Declaration of Anodization layer thickness
- Declaration of Glass properties
- Declaration of Fire resistance / reaction
- Declaration of Endurance cycles
- Declaration of Asbestos / of origin aluminum
- Declaration of Environmental (recycled aluminum)
- Declaration of UV resistance / gtot / SRI + Others
- RoHS-declaration of Compliance

### Test reports – calculations

- Wind (load) testings / verification certificate
- Anchoring requirements

### Wind and Load Guarantees

Wind guarantee for roof with blades closed	up to 99 mph
Wind guarantee for roof with blades open	up to 31 mph*
Fixscreen wind guarantee when closed	up to 37 mph
Max. wind speed for roof or Fixscreen operation	up to 31 mph
Water drainage flow	3.7 gal/ft <sup>2</sup> /hr
Load-bearing capacity	41 lb/ft <sup>2</sup>

\*Static calculations based on Eurocode 9 require that the roof blades are opened (placed vertically) when wind speeds exceed 31 mph. At higher wind speeds, the blades can no longer be operated as the forces become too great for the motor control. If the roof blades remain in a closed position at wind speeds above 31 mph, wind tunnel tests have shown that they can withstand wind speeds up to 99 mph.



## Certificates & testing accessories

### CE – DOP documents

- CE / DoC / DoP / ETA
- SDoc - FCC (for US)
- EMC conformity

### Certificates

- UL / ETL certification US - Canada / CCC
- Product passport - Eco passport
- REACH - RoHS / AluEco

### Declarations

- Declaration of Glass properties
- Declaration of Fire resistance / reaction
- Declaration of Endurance cycles
- Declaration of Electrical Safety / LED integration in UL setup
- RoHS-declaration of Compliance
- Declaration of UV resistance / gtot / SRI + Others

### Test reports - calculations

- Water test
- Wind (load) testings / verification certificate
- Electromagnetic Compatibility - EMC / FCC / IEC-IECEE - CB
- IES files (intensity & geometry of the lights...) CE – DOP documenten



## OTHER TOOLS

Want to learn more? Visit the Professional Portal on our website ([www.renson.net](http://www.renson.net)) to access the following tools.

- Technical drawings
- Training documents
- Installation manual
- User manual
- [Digital photo album and social media](#)

