# TERRACE COVERING WITH ROTATABLE ALUMINIUM BLADES

## Manufacturer

RENSON Sunprotection-Screens NV, Kalkhoevestraat 45, 8790 Waregem – Belgium
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(You can omit the text highlighted in red according to your choice)

## Description

Camargue® is an aluminium terrace covering comprising a horizontal sun protection roof, equipped with a rotatable extruded aluminium blade system, which is supported by one, two or four vertical columns, depending on the installation type. The terrace covering can be installed as a free-standing unit or against a façade.

## Dimensions

Span: Minimum 1800 mm

 Maximum 4500 mm

Pivot: Minimum 1800 mm

 Maximum 6200 mm

Free passage height Maximum 2800 mm

Total height, without the motor box: Free passage height + 260 mm

Total height with blades in the vertical position: free passage height + 260 mm + 95 mm

Information:
The "Span side" corresponds to the span of the blades
The "Pivot side" is the side where the blades rotate (or pivot)

## System implementation

### Frame:

* A sturdy surrounding frame made of extruded aluminium profiles
* Height: 260 mm
* Depth of the Span frame profile: 150 mm
* Depth of the Picot frame profile: 220 mm
* Inclination: 0°

### Blades:

* Sun protection blades made of extruded aluminium
* Double-walled for handling a heavy snow load
* Rotatable through 150°
* Underside: completely flat
* Upper side: sharply defined edges + water drainage gutter
* Side edges equipped with hidden fixed L-profile to stop water run-back
* The specific design ensures water drainage when the blades are closed
* And water drains off when you rotate the blades after a shower
* Blade mounting:
	+ Fitting into the pivot -sides using the stainless steel shafts
	+ A slight inclination on the blades for optimum water drainage

### Columns:

* The installation uses 1, 2 or 4 columns, depending on the installation type.
* Dimensions: 150 x 150 mm
* Consists of a central, cross-shaped profile, finished with L-profile s that can be implemented according to custom design, using them as side channels, column lights or as limitation of rapid passage

### Mounting bases:

There are 3 types:

* Visible mounting bases with a visible ground plate
* Invisible mounting bases
* Cast mounting bases

### Motorisation:

* Electrical: using a 24 VDC linear motor with driving profile.
To connect to the mains voltage (230 Volt AC) through the supplied transformer.
* Placement:
	+ The motors are invisibly integrated into the pivot profile

### Water drainage:

* **Downwards:** There is a Ø 50 mm hole provided for drainage in the gutter on the edge of each pivot- side. Each hole has a drainage trap that serves as a leaf catcher and a connection for a drainpipe (Ø 50 mm)
* **Sidewards:** There are 2 Ø 50 mm holes provided for water drainage on the outside of the lowest pivot profile, and there is one Ø 50 mm hole provided on the other pivot profile, to which you can connect a drainpipe.

### Colour:

All visible aluminium profiles are coated in your choice of architectural textured RAL colour (60-80 microns)

### Assembly:

All fixings (e.g. screws) are made of stainless steel

### Power supply and wiring:

Electrical cables are integrated fully and invisibly into the terrace covering

## Technical data:

### Maximum weight of snow load:

See the chart below, according to the dimensions



### Maximum wind speed when controlling the blades:

50 km per hour

### Wind resistant up to:

120 km per hour (with closed blades)

### Water drainage and precipitation rate:

The terrace covering can handle precipitation rate that corresponds to a rain shower with an intensity of 0.04 L/sec/m² up to 0.05 L/sec/m², which a maximum duration of 7 minutes. This type of heavy shower occurs on average twice a year. (See the Belgian rain statistics: NBN B 52-011)

## Warranty

* Five years product warranty on the structure (covering all faults that could occur during normal domestic use and when there has been regular maintenance)
* Five years warranty on Somfy®- automation
* Two years warranty on the blade motor
* Ten years warranty on the colour integrity of powder coating on the aluminium profiles
* Five years warranty on gloss (powder coating )

## Options

### Up/Down LED lighting:

Integrated LED lighting along the full length of the inner side of the frame equipped with Upwards and/or Downwards lighting

* Up:
	+ Warm white light, 120 LEDs/m | +/- 2800 K | 550-680 lumens/m
	+ Pure white light, 120 LEDs/m | +/- 5000 K | 550-680 lumens/m
* Down:
	+ Warm white light, 120 LEDs/m | +/- 2800 K | 550-680 lumens/m
	+ Pure white light, 120 LEDs/m | +/- 5000 K | 550-680 lumens/m
	+ RGB 60 LEDs/m | 550-700 lumens/m

### Loggia sliding panels

* Loggia sliding panels comprise 40 x 40, 40 x 55 or 40 x 70 mm powder coated aluminium frames, depending on the passage height. The 40 mm side is always facing towards the front
* This frame is filled in with:
	+ Square, aluminium, fixed blades
	+ Square, aluminium, rotatable blades
	+ Square, Western Cedar, fixed blades
	+ Square, Western Cedar, rotatable blades
	+ Glass fibre screen fabric
* The sliding panels are suspended in aluminium upper rails and slide in an aluminium bottom rail
* Operation is manual
* The system can handle height differences of up to 5 cm, using a flexible lower guide system
* See the specification text for Loggia sliding panels for a detailed product description

### Integrated Fixscreens

* It is possible to integrate vertical sun protection fabric screens in the terrace coverings with a passage height ≤ 2.8 m
* The frame profiles of the basic structure also form the box for the overhead sun protection
* The side channels are made of extruded aluminium They are 3-piece
* The stepped shape in both components allows you to screw the side channels easily and in the proper manner onto the columns
* See the specification text for Fixscreens for a detailed product description

### Glass wall

* You can build glass sliding panels into terrace coverings with up to 2600 mm passage height
* The glass profiles are made of powder-coated extruded aluminium
* The control is manual
* The glass sliding panels are supported at the bottom by an extruded aluminium rail that is finished with a corrosion resistant guide channel
* The glass is 10 mm thick safety-glass
* You can close the glass wall securely using a lock that you can open and close with a key from either side.

### Beam:

* You can equip the terrace covering with a Beam-
module, an aluminium housing that can house a heating element (Heat) and loudspeakers (Sound).
* Mountable on the inner side of the frame profile on the Span-side
* You can swing the module (stepless) through 30° for adjustment

### Heat:

* A heating element that you can integrate in the Beam-module
* The visible, corrugated plate is anodised in black
* Convection heat
* Power: 2600 W/Heat, Power rating = 12 A/Heat
* IP 65
* RTS control (exclusive receiver, remote and controls)

### Sound:

* "Flat Panel" type speakers that integrate into the Beam-module
* "Plane Wave" technology
* 25 W RMS, Flat Panel Speaker
* 50 W peak capacity, Flat Panel Speaker
* IP 65
* Connection: Connects to a tuner/amplifier using an audio cable

### Rain sensor kit:

* Capacity: Rain sensor, mounting materials and accessories
* Action:
	+ Closes the blades automatically when there is rain
	+ Rotates the blades to their pre-set snow position whenever there is precipitation combined with a freezing temperature
* It is mounted on a slight incline and has a tiny heating element for better sensor drying

### Wind sensor kit:

* Capacity: Somfy Eolis RTS Wind sensor and extra accessories
* Action: The blades should be closed when wind speeds are > 50 km/hour, to conform to our warranty terms
* The wind sensor has priority over the rain sensor

## Norms

This product is made to conform to, satisfies and/or has been tested according to the norm: EN 13561