

Honoured with:
GERMAN DESIGN AWARD WINNER 2024

Cassette awning

Smaila

Smaila LED | VarioShade Valance

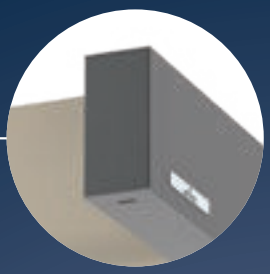
Cubic, installation-friendly and technically and optically state-of-the-art: That describes the cassette awning **Smaila**. Above-all, it is suitable for balconies and small patios and combines several benefits of all the other weinor cassette awnings. **Smaila**, with its LongLife arm and the weinor Opti-Flow-System®, is equipped for perfect fabric positioning. Its two insertable brackets, for example, ensure fast and simple installation. Its solar module for the VarioShade Valance is a technical highlight.

Smaila Highlights



Decorative side end caps:
With five attractive patterns for a distinctive appearance (alternatively also in awning frame colour)

Integrated rain gutter
Optimum water drainage







Removable cover caps:
Motor and control unit easily accessible

Roof installation



Wall installation
Without a flush wall gap profile



Wall installation
With a wall gap profile for a uniform appearance up to the wall



Rafter installation



Insertable brackets
pre-configurable when ordered, ± 35 mm adjustable on the construction site



The powder coating done at our in-house factory guarantees **colour fastness and a uniform gloss level.**



Smaila fabrics are spinneret-dyed, water repellent and dirt-resistant.



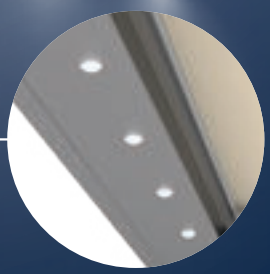
VarioShade Valance option with solar module:
Vertical privacy and sun protection with a remote-controlled motor



VarioShade Valance option with gear drive



weinor LongLife arm:
Durable and quiet



Smaila LED:
integrated into the cassette



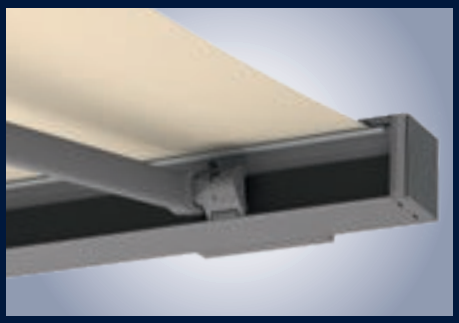
Wind lock safety device:
the awning does not lift up in winds

Smaila Benefits



Compact cubic design – with attractive decorative side end caps

The elegant cassette look matches contemporary architecture
- Square shape
- Contemporary decorative side end caps in 5 different patterns (alternatively also with awning frame colour)
- Cover cap (headplates) for maintenance work, removable with snap-in technology
- Low fabric deduction dimension for the especially large fabric area



Tried and tested technology – reliable quality

Smaila is distinguished by numerous technical details, which offer top quality and longevity.
- Low-noise weinor LongLife arm
- Tilting folding arm with wind lock safety device
- weinor Opti-Flow-System® with a floating tube for awnings and VarioShade Valance for top fabric positioning



Insertable brackets – fast installation

Clever technical details ensure fast, safe and easy installation.
- Two wall gap profile options: flush and distanced
- Only two brackets necessary for all widths
- When ordered positionable brackets for unproblematic installation up to house corners, ± 35 mm adjustable at the construction site



VarioShade Valance – vertical privacy and sun protection

The VarioShade Valance is elegantly integrated into the front profile of the awning. It provides privacy and glare protection caused by low-lying sun.
- Continuously extendable up to 100 cm
- Gear drive or solar motor from Somfy as modern drive technology (solar motor only possible combined with main drive Somfy io-homecontrol®)



Smaila LED – cassette with integrated LED lighting

The LED spotlights integrated into the cassette produce atmospheric lighting on the patio.
- 30,000 LED light hours with lowest energy consumption (85% electricity saving compared to halogen technology)
- Dimmable LED with the weinor BiConnect remote controller or Somfy io-homecontrol®

Smaila Technology

Smaila versions	Smaila	Smaila LED
Technology		
Max. width	550/500 cm	550/500 cm
Max. projection	300/350 cm	300/350 cm
Cassette size (w x h) incl. standard bracket	248 mm x 155 mm	248 mm x 155 mm
Gear drive	○	—
Motor drive (hard wired)	● as standard	● as standard
Emergency crank	○ (only with Somfy io-homecontrol®)	○ (only with Somfy io-homecontrol®)
Adjusting the pitch on awning	5° to 40° (on the tilting mechanism)	5° to 40° (on the tilting mechanism)
Installation alternatives	Can be installed on walls, roofs and rafters	
LED lighting (separate spotlights)	—	● integrated into the awning's cassette
Patented weinor Opti-Flow-System®	● as standard	● as standard
LongLife arm	● as standard	● as standard
VarioShade Valance option		
Max. width	500 cm	500 cm
Max. awning projection	300 cm	300 cm
Cassette size (w x h) incl. standard bracket	306 x 155 mm	306 x 155 mm
Solar motor drive	○ (only with Somfy io-homecontrol®)	○ (only with Somfy io-homecontrol®)
Gear drive	○	○
Adjusting the pitch on awning	10° to 20°	10° to 20°
VarioShade Valance projection (height)	100 cm	100 cm
Patented weinor Opti-Flow-System®	● as standard	● as standard
Accessories		
Tempura heating system/Tempura Quadra	○	○
Product protection sensor	○	○
Control units		
Remote control	○	○
No remote control	●	●
Weather sensors		
Sun/wind sensor	○	○
Sun/wind sensor solar powered	○	○
Sun/wind/rain sensor	○	○
Quality		
Tested up to	wind resistance class 1 according to DIN 13561 (wind strength 5 on the Beaufort scale)	

● standard ○ optional — unavailable

Smaila LED

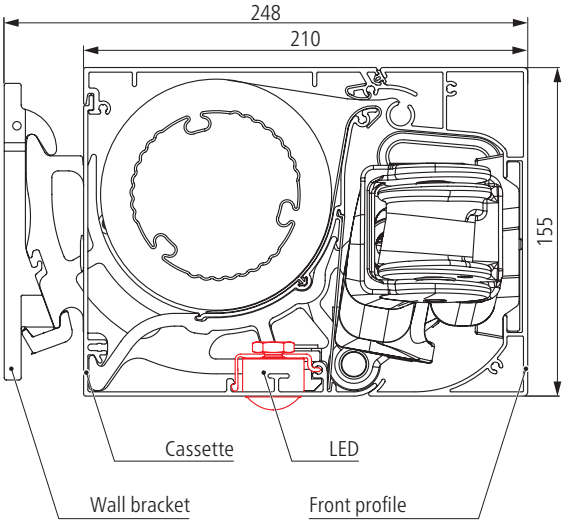


LED lighting – 30,000 hours of lighting with lowest energy consumption

Select LED components stand for top weinor quality:

- Atmospheric light thanks to special glass lenses
- Visually integrated into the cassette
- Lighting remains on even when awning is retracted
- Highly energy-efficient
- Operating life of 30,000 hours
- Dimmable with the BiConnect remote controller or Somfy io-homecontrol®
- Service-friendly Simply replacement of individual LED lights possible without dismounting the awning

Smaila cassette with integrated LED lighting



Number of individual LED spotlights

Awning width in cm	Number of separate LED spotlights
up to 200	3
201-250	3-5
251-300	4-6
301-350	5-7
351-400	6-8
401-450	7-9
451-500	9-10
501-550	10-11

Decorative side end caps



Attractive decorative side end caps for individual design

The decorative side end caps with a brushed matt look (silver aluminium, copper aluminium, brown aluminium, brass aluminium and anthracite aluminium), enable you to provide your customers the opportunity to set an individual accent. The anodised aluminium material lends the Smaila an optical highlight.



Silver aluminium



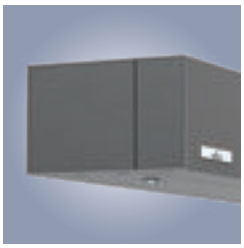
Copper aluminium



Brown aluminium



Brass aluminium

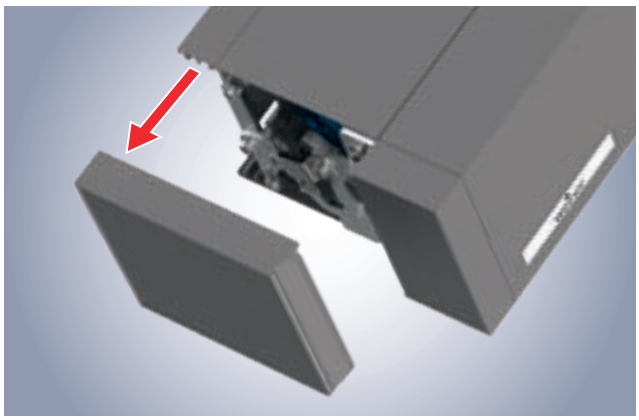


Anthracite aluminium

The decorative side end caps are also available in the same frame colour as the awning.

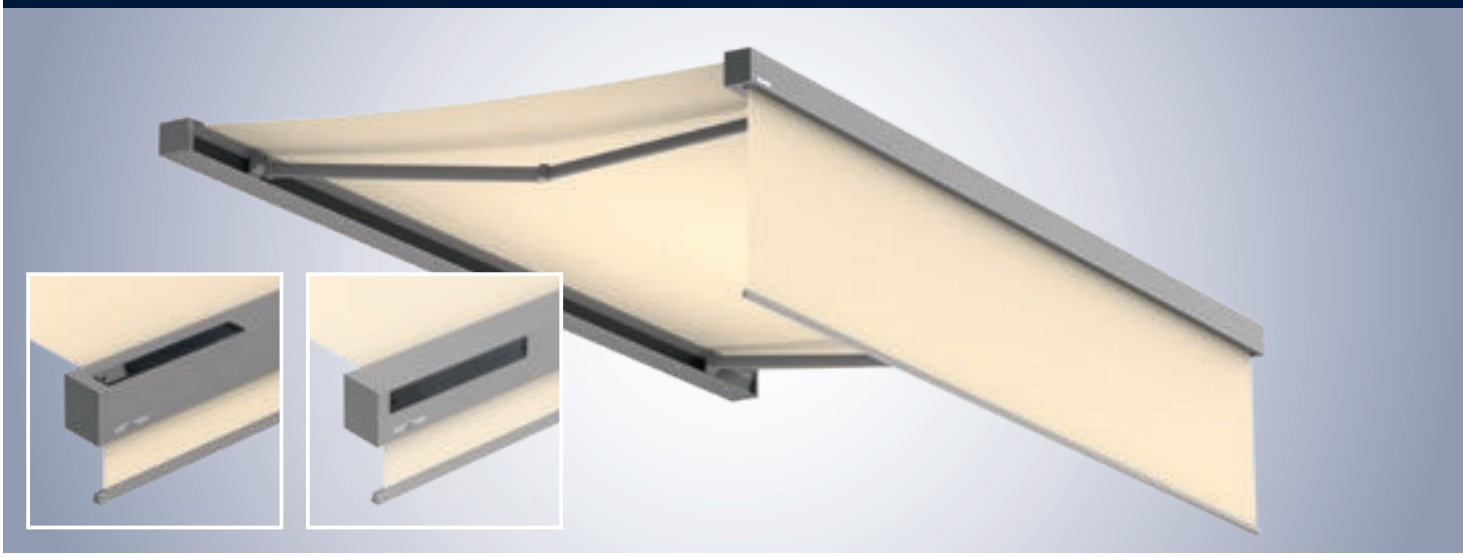


Awning frame colour



Removable cover cap
The cover cap (headplate) with the inserted decorative faceplate can easily be removed and re-attached for installation and maintenance of the motor and control unit. The front profile end cap is additionally secured with a screw and need not be disassembled for maintenance.

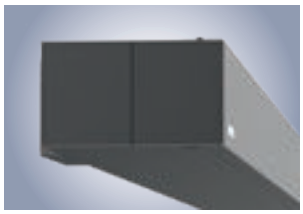
Smaila VarioShade Valance



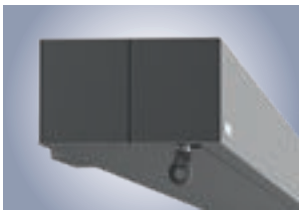
More privacy thanks to vertical privacy and sun protection (optional)

The gear or solar motor-driven VarioShade Valance is elegantly integrated into the front profile of the awning.

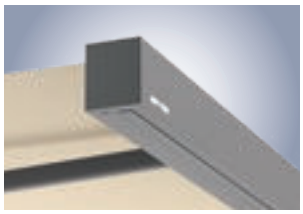
- Glare protection and privacy protection up to a maximum valance height of 100 cm
- Extends to any length
- Use VarioShade Valance with an awning angle of pitch between 10° and 20°
- VarioShade Valance cannot be retrofitted
- VarioShade Valance with a solar motor only for motorised awnings (Somfy io-homecontrol®)
- Solar motor is not compatible with Somfy weather sensors



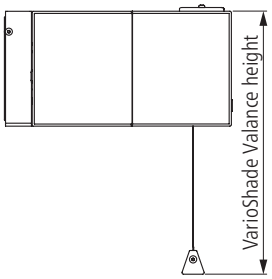
With solar motor (Somfy)



With gear drive



Closed



Maximum awning size for VarioShade Valance

Main drive motor			
Width	500 cm	Projection	300 cm
Main drive gear box			
Width	500 cm	Projection	300 cm

Please note:

- For VarioShade Valance with gear drive, the VarioShade Valance front profile may close unevenly.
- For ceiling mounting and VarioShade Valance with solar motor, the solar battery may not be sufficiently charged when the awning is retracted due to lack of direct sunlight. Even if the VarioShade Valance is not used (e.g. in winter), the motor consumes a very small amount of battery power. In such cases, we recommend extending the awning into the sun for a few hours.
- **V-shaped waves** may be incurred symmetrically coming from the top edge of wider width systems. This can also happen with awnings mounted using special brackets. The reasons for this are the fabric's dead weight and structure as well as the sagging waves and loads on the brackets and/or facade substructure.

Technical data for solar module battery

Solar motor Somfy io-homecontrol® 12 V battery	
Voltage	12 V
Battery capacity	2200 mAh (at least 40 runs possible with a fully charged battery)
Charge time	approx. 11 h (solar panel, approx. 196 mA)

Should the solar charging performance be insufficient, the matching charging device (RS 100 Solar, article no. 9028028) can be ordered from Somfy. The front profile end cap must be removed for connection.

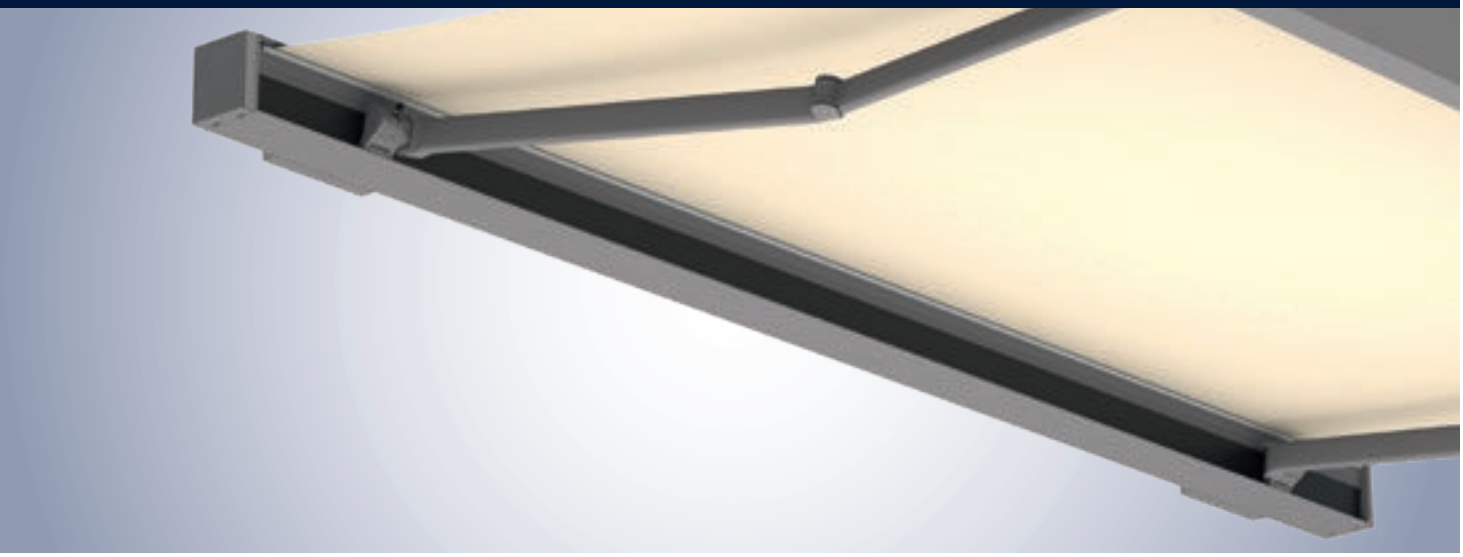
Available fabrics for the VarioShade Valance

	Soltis® 86, 92	Acrylic	Polyester	StarScreen
Pattern	unicolour	stripes/ unicolour	stripes/ unicolour	unicolour
Roll width	177 cm 267 cm	120 cm	120 cm	325 cm
Valance length (100 cm)	S	S	S	S

S Seamless: Seamless fabric; structure of fabric runs transverse to the awning fabric structure

Fibreglass fabric is not possible

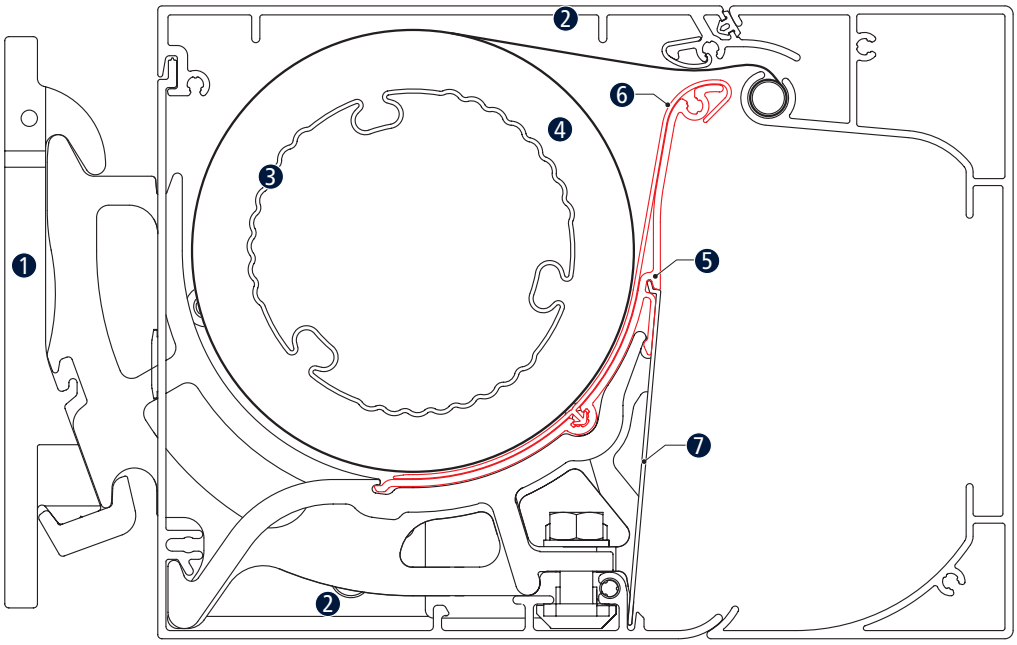
weinor Opti-Flow-System® and support profile



Smaila: Support profile over the entire width of awning

Optimum fabric positioning

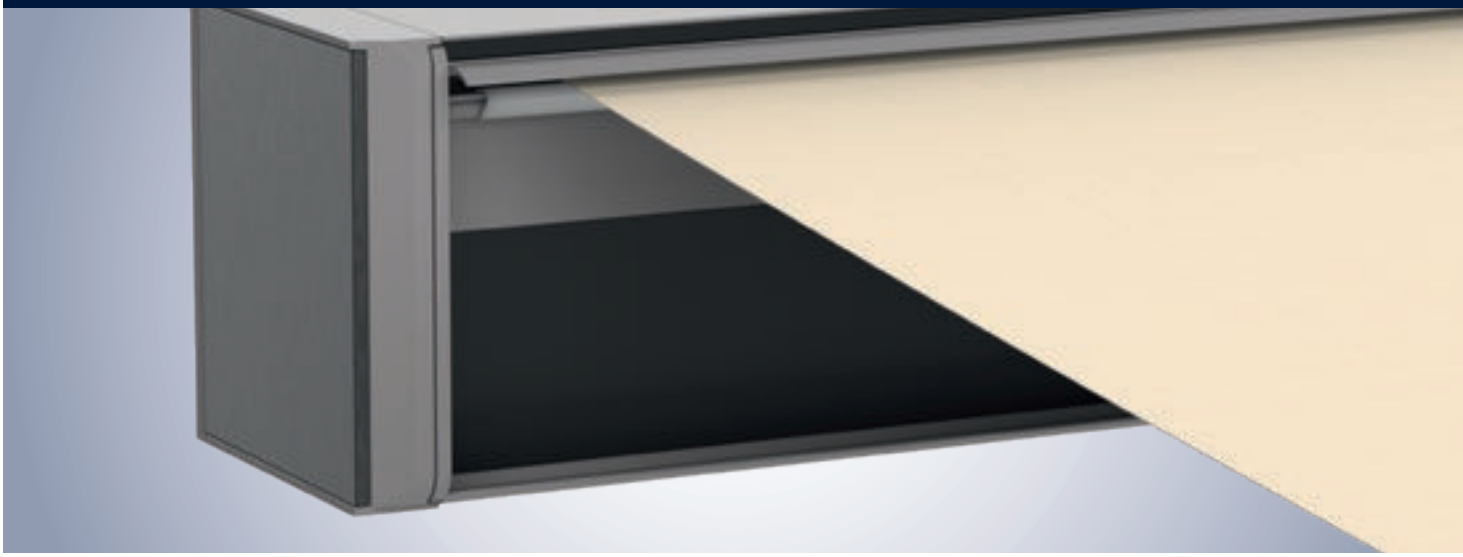
The weinor Opti-Flow-System® and support profile across the whole width of the awning ensure perfect fabric positioning.



1. Centre bracket (wall bracket)
2. Cassette
3. Roller tube
4. Fabric rolls
5. Support profile
6. Glide profile
7. Cover profile

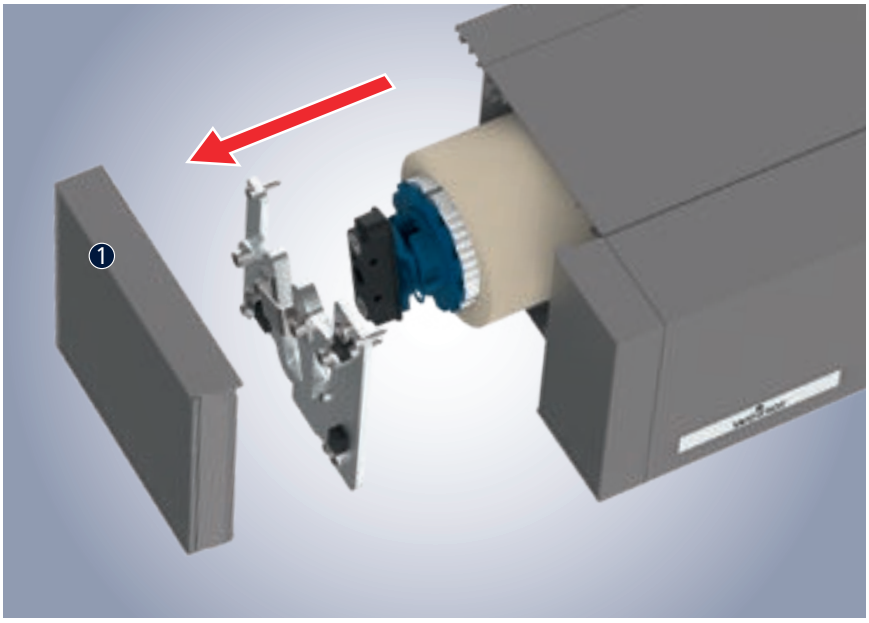
Smaila Controls

Installation location for electrical components



Service-friendly access

The receiver, power supply pack and other electrical components are integrated into the cassette
The cover cap (headplate) ❶ can be opened for servicing purposes. The drive can be disconnected from the receiver via the connection assembly there and controlled independently of it. Moreover, control components can be pulled out from the side if exchange becomes necessary.*



*If the arm/bracket position is distant outwards (position < 300 mm), the control components are placed behind the arm bracket and cannot be pulled out from the opened side. For Somfy io-homecontrol® with an LED dimmer, the transformer is always placed behind the arm bracket, dependent on the space available the dimmer can however also be located in front of the arm bracket.

weinor BiConnect radio technology

Product	Electronics	BiConnect control	Remote receiver	Transmitter
Smaila	Smaila drive	• BiRec receiver integrated into cassette	BiRec MA-K	• BiEasy 1M/5M/15M Go! hand transmitter • 1MW-3V wall-mounted transmitter
Smaila LED	Smaila drive and LED lighting	• BiRec combi-receiver for main drive and LED spotlights (with integrated power supply pack) integrated into cassette • Dimmable LED	BiRec MLED	• BiEasy 5M/15M Go! hand transmitter
Accessories (optional)	Tempura/Tempura Quadra heating	• Dimmable, additional receiver required • Accommodation of receiver in the design bar provided for this purpose or the Tempura Quadra box	BiRec HD	• BiEasy 5M/15M Go! hand transmitter

Prerequisite: awnings with BiConnect remote control and sensors require a BiEasy 1M, 5M or 15M Go!

Somfy io-homecontrol® radio technology

Product	Electronics	Somfy io-homecontrol control®	Remote receiver	Transmitter
Smaila	Smaila drive	• Somfy io remote-controlled motor integrated into cassette	Somfy io remote-controlled motor	• Situo 1 io Pure II/Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter • Smoove 1 io Pure Shine wall-mounted transmitter
Smaila LED*	Smaila drive and LED lighting	• Somfy io remote-controlled motor integrated into cassette • Additional Somfy receiver for the LED spotlights (with downstream power supply pack) integrated into cassette • Dimmable LED	Somfy io remote-controlled motor and Lighting Receiver Variation io (dimmable)	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Smaila VarioShade Valance	Smaila and VarioShade Valance drive	• Somfy io remote-controlled motor in cassette • Somfy io solar motor in installed in front profile • No table retraction protection	Somfy io remote-controlled motors	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Smaila LED VarioShade Valance*	Smaila and VarioShade Valance drive and LED lighting	• Somfy io remote-controlled motor in cassette • Somfy io solar motor in installed in front profile • Additional Somfy receiver for the LED spotlights (with downstream power supply pack) • Dimmable LED • No table retraction protection • Solar motor is not compatible with Somfy weather sensors	Somfy io remote-controlled motor and Lighting Receiver Variation io (dimmable)	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Accessories (optional)	Tempura/Tempura Quadra heating	• Dimmable, additional receiver required • Accommodation of receiver in the design bar provided for this purpose or the Tempura Quadra box	Heating Receiver Variation io 1.5 kW STAS3/STAK3 (dimmable)	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter • Smoove 1 io Pure Shine wall-mounted transmitter

* For installation in recesses: Order the awning with a programmed hand transmitter recommended



Emergency crank

Emergency crank (optional)
With the optionally available emergency crank, the Smaila can be extended and retracted with a crank in case of power failure (only combined with Somfy io-homecontrol®).

Please note:
After activation of the emergency crank the motor needs reminding where the original limits are set. It is very important that the awning is opened to the fully outward position and then completely closed. This ensures the original limit positions are not disrupted or confused.

Hard wired with Somfy control

Product	Electronics	Hard wired Somfy control	Control units
Smaila	Smaila drive	• Somfy control for awning drive	e.g. Soliris Smoove Uno (on-site)
Smaila LED	Smaila drive and LED lighting	• Somfy control for awning drive • Commutator on-site for the LED spotlights • LED power supply pack integrated into the cassette • LED not dimmable	e.g. Soliris Smoove Uno and suitable light switch (on-site)
Accessories (optional)	Tempura/Tempura Quadra heating	• Not dimmable	Suitable commutator (on-site)

Hard wired (existing switch/power supply on site)

Product	Electronics	Hard wired control	Control units
Smaila	Smaila drive	• Awning commutator for the awning drive	e.g. double rocker switches (on-site)
Smaila LED	Smaila drive and LED lighting	• Awning commutator for the awning drive • Commutator on-site for the LED spotlights • LED power supply pack integrated into the cassette • LED not dimmable	e.g. double rocker switches and suitable light switch (on-site)
Accessories (optional)	Tempura/Tempura Quadra heating	• Not dimmable	Suitable commutator (on-site)

Please note:
Please see the "Accessories" technical brochure for further details regarding the drive and control.

Some options are subject to a surcharge. For prices, please refer to the weinor awnings price list.

Gear drive (optional)



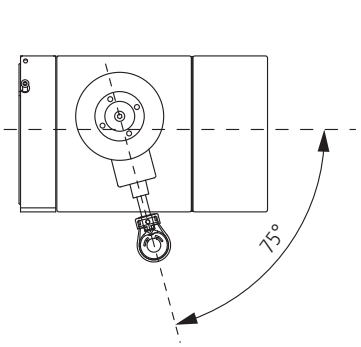
Wall installation

The Smaila can naturally also be ordered with a gear drive (up to max. width of 550 cm at a max. length of 300 cm). This option is recommended whenever it is hard to connect to an electrical power source on-site or if the awning is not frequently used. The Smaila has universal bevel gears.

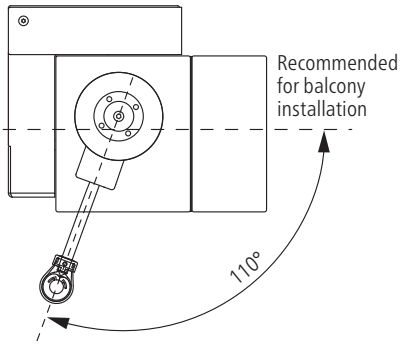
- End stop adjustable from outside
- Tested according to DIN EN 14203
- Freewheel when extended



Roof/balcony installation



Gear outlet with front alignment (standard), e.g. for wall installation



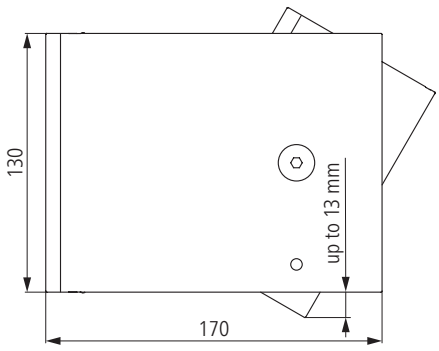
Gear outlet with rear alignment, e.g. for roof/balcony installation

Tempura heating system (optional)



Perfectly combined:
Smaila with Tempura Quadra heating system

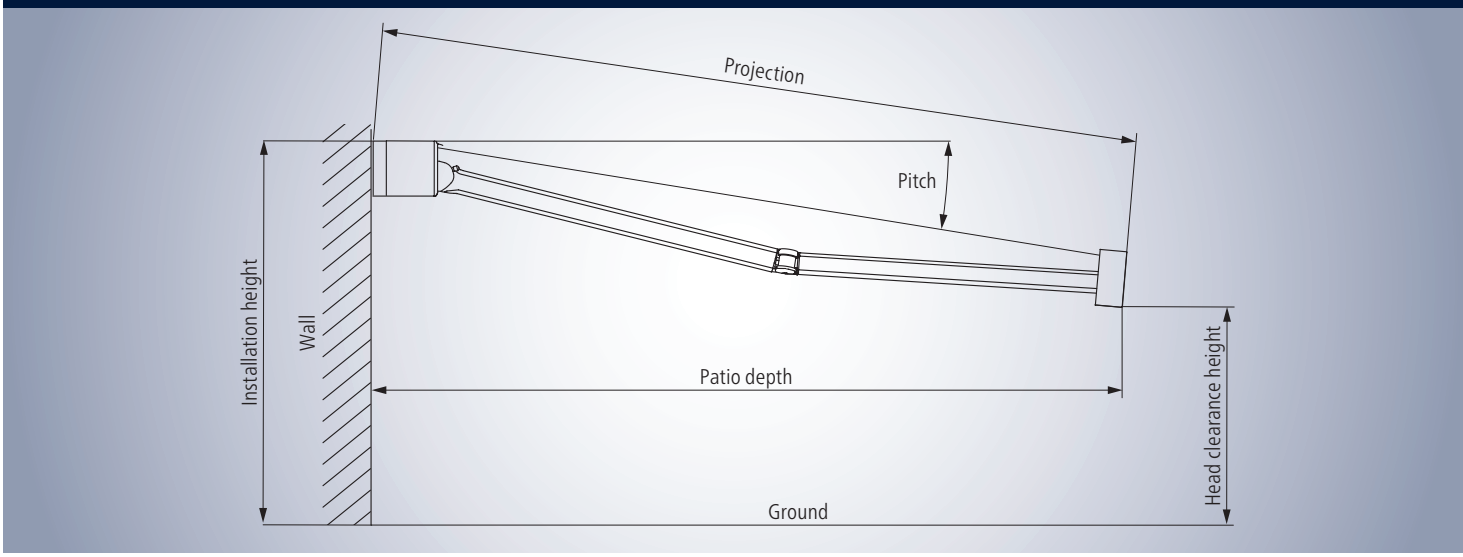
Please note: As a standard, the Tempura angle of pitch is restricted to 15° (this restriction is intended to avoid the wall being heated up too much by the Tempura). The grub screw, which restricts the angle of pitch, can be removed if the Smaila is inclined up to a maximum of 10°. Then, an angle of pitch for the Tempura of up to 30° is possible.



Important note regarding the operation of the Tempura heating system together with VarioShade Valance:
In order to hinder an extended VarioShade Valance from contacting the radiant heater, it is mandatory to ensure that it is not covered by the VarioShade Valance fabric. weinor basically recommends **not combining these options**.

Smaila Planning

Site measuring – determining the projection and head clearance height



- Find the projection for the terrace depth in the “Projection” table.
- Read the head clearance height from the “Head clearance height” table with the determined projection and the desired angle of pitch, head clearance is valid for an installation height of 300 cm
- Add/subtract the difference between 300 cm and the actual installation height to/from the head clearance height in the table.

Determining the projection

Pitch	Terrace depth in cm				
	150	200	250	300	350
5°	160	210	260	310	350
15°	160	210	260	320	–
25°	170	230	280	340	–

Projection in cm (rounded figures)

This table can be used to find the awning diagonal for any given horizontal terrace depth.

Determining the head clearance height

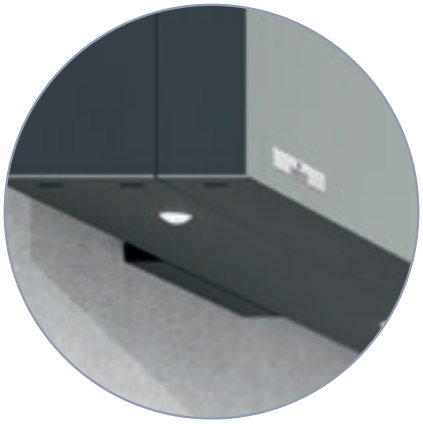
Pitch	Projection in cm				
	150	200	250	300	350
5°	276	272	267	263	258
15°	250	237	224	211	198
25°	226	204	183	162	141

Head clearance height in cm (rounded figures)

This table can be used to determine the head clearance heights for different projections at the angles of pitch 5°, 15° and 25°.
This table is based on the example of an installation height of 300 cm (upper edge of awning).

Wall installation

Sizes and bracket recommendations



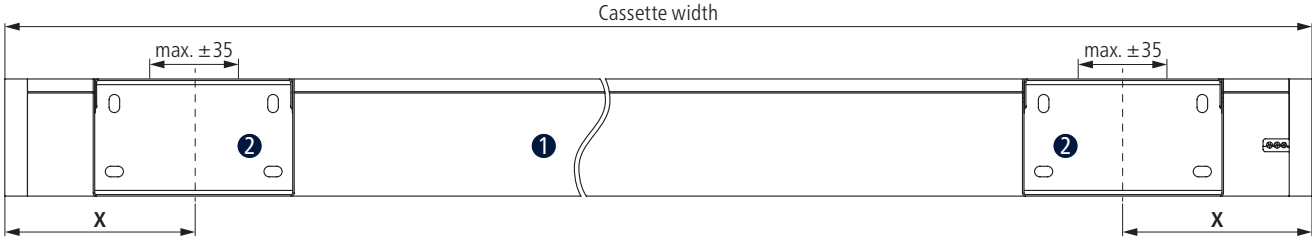
Wall mounting on pressure-resistant surface
Minimum number of required wall brackets to ensure the function of the awning, independent of the installation surface. Selection of the brackets using the weinor bracket overview and based on the maximum extraction forces of the fixing material applied!

Width in cm	Diagonal in 10 cm steps				
	up to 150	160-200	210-250	260-300	310-350
up to 200	2				
201-250	2	2			
251-300	2	2	2		
301-350	2	2	2	2	
351-400	2	2	2	2	2
401-450	2	2	2	2	2
451-500	2	2	2	2	2
501-550	2	2	2	2	

2 2 wall brackets 270 mm

Observe the size limits: the width of the unit must exceed the projection by at least 50 cm!
If a vibration sensor is used, the difference is increased to 65 cm!

Position/placing of wall brackets and Smaila cassette

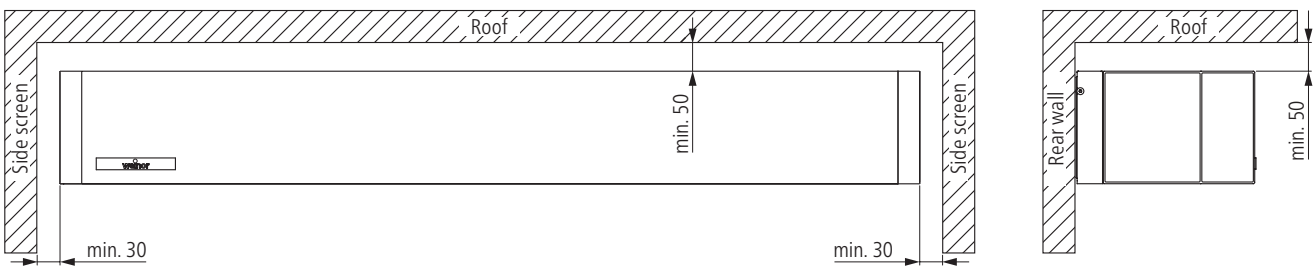


1 Smaila cassette 2 Wall bracket

Recess measurement X = 10 % of the unit width (standard)
Optional: 200 mm – 600 mm selectable
(Caution: observe size limits/width to projection ratio)

Please note: For the option **"with wall gap profile"**, the bracket cannot be moved any further outwards at a position of 200 mm (max. 35 mm inwards).

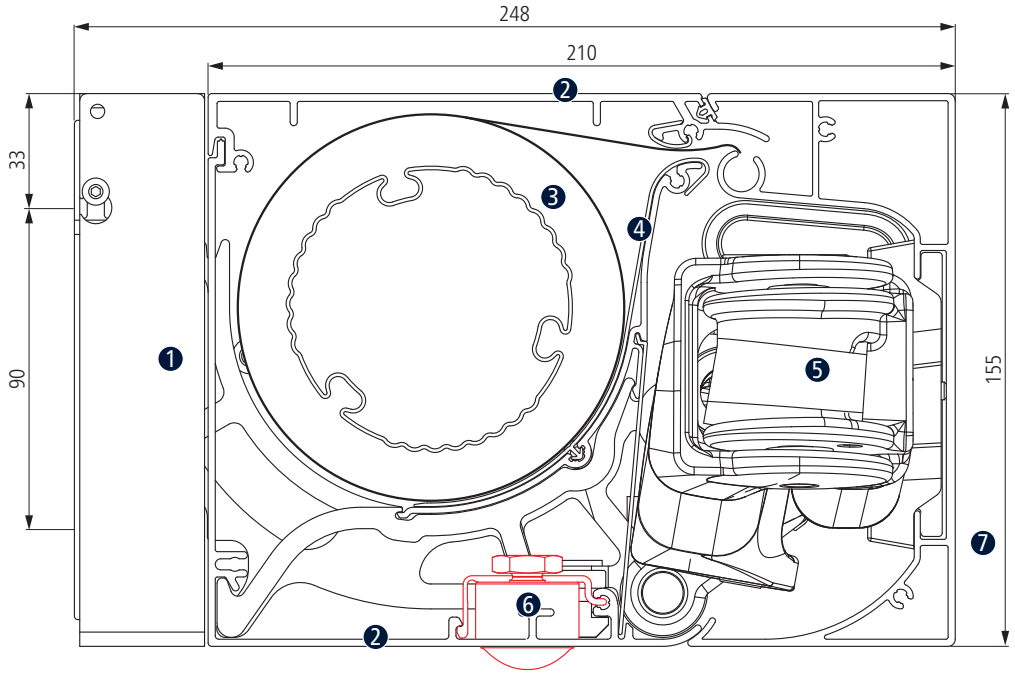
Minimum spacing distances for installation in the niche (wall mounting)



Please note: If installed in a niche, the awning must be deinstalled for servicing.

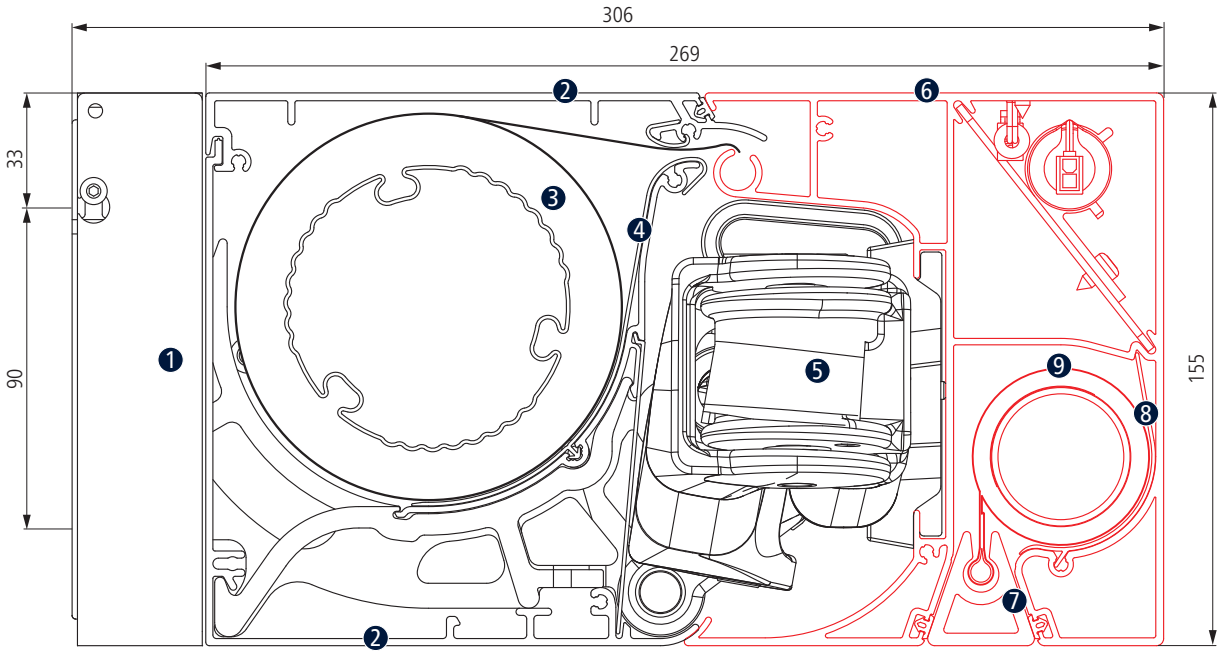
Cross-sections

Smaila LED



1 Wall bracket
2 Cassette
3 Roller tube
4 Fabric rolls
5 Spring-tensioned arm
6 LED spotlight
7 Front profile

Smaila VarioShade Valance (cross-section)



1 Wall bracket
2 Cassette
3 Roller tube
4 Fabric rolls
5 Spring-tensioned arm
6 VarioShade Valance front profile
7 VarioShade Valance drop bar
8 VarioShade Valance fabric roller tube
9 VarioShade Valance fabric rolls

Figures are in mm

Wall installation – bracket versions



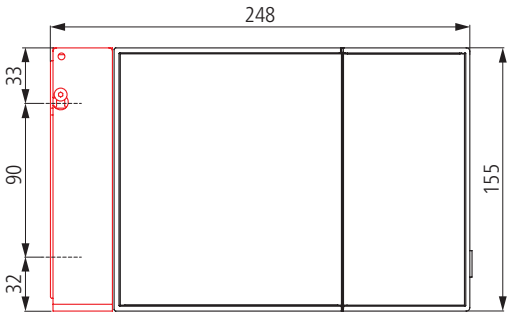
Smaila wall installation using a 270 mm wall bracket (with a cover)



Smaila wall installation with wall gap profile (optional)

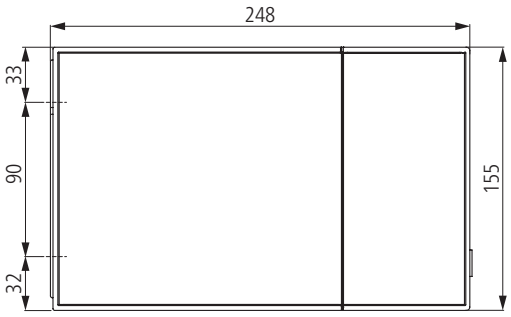


Wall profile (with cover)

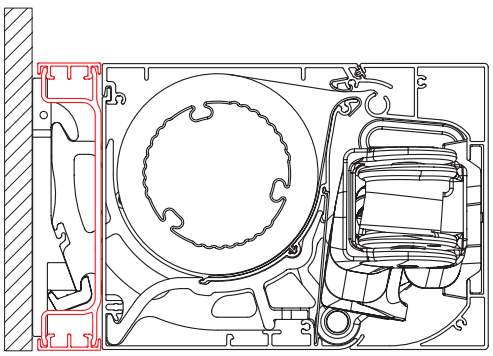




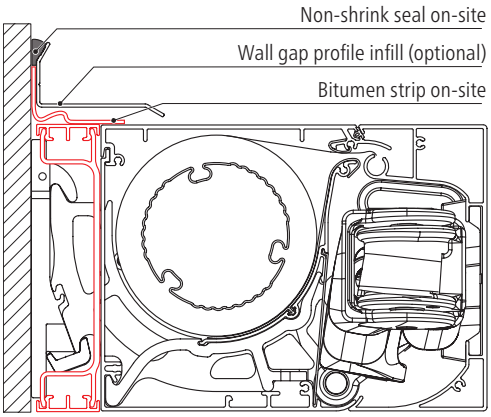
Wall bracket for wall gap profile (optional)



Wall gap profile (cross-section)



Wall gap profile with profile infill (cross-section)

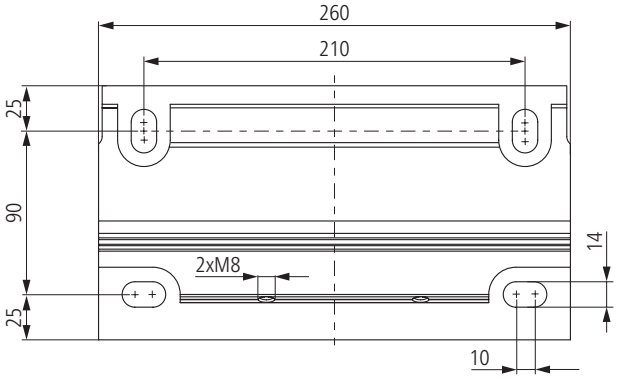


Smaila Installation

Wall mounting – brackets

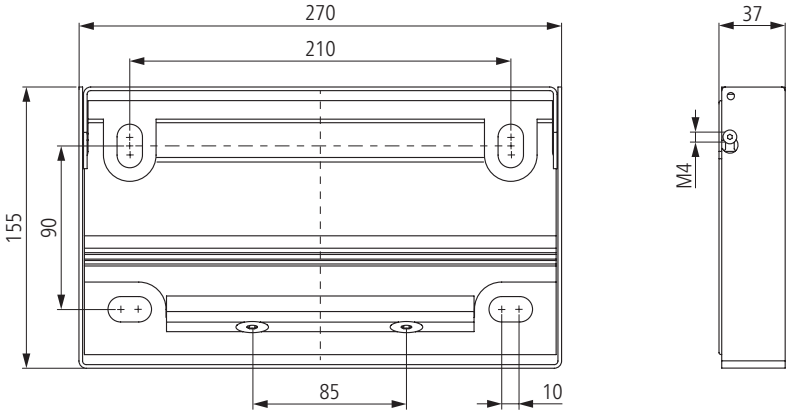


Wall bracket 260 mm (without cover)





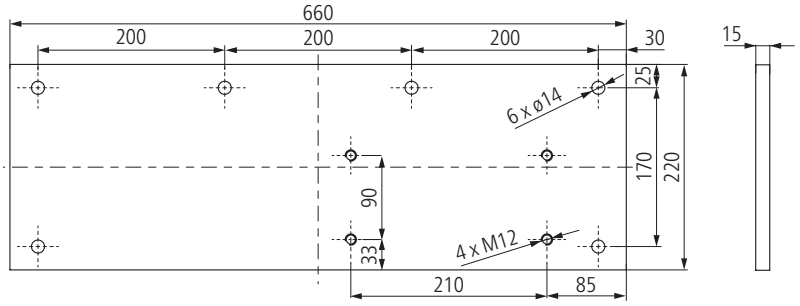
Wall bracket 270 mm (with cover)



Wall mounting – mounting plates



660 x 220 x 15 mm installation plate
for wall installation

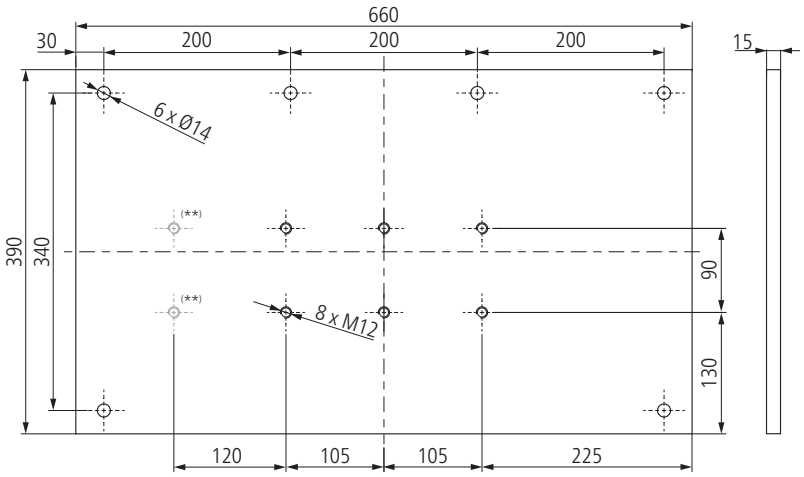




Position of the installation plate taking
Smaila 500 x 300 cm* as an example



660 x 390 x 15 mm installation plate
for wall installation



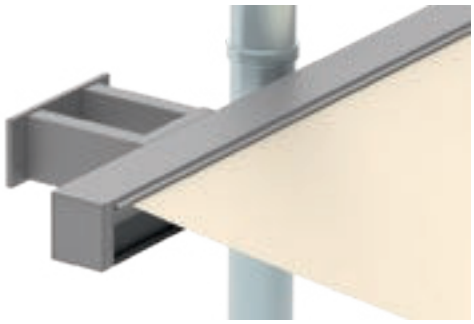


Position of the installation plate taking
Smaila 500 x 300 cm* as an example

* Depending on the awning width, the positioning of the installation plates may vary.

** Tapped holes are not required for the installation of the wall bracket 270 mm with a cover.

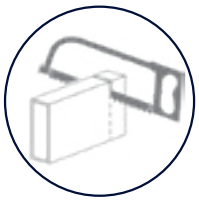
Installation with stand off bracket (special bracket)



Smaila with stand off bracket,
e.g. to overcome a soil pipe

50 to 300 mm gaps can be bridged using the stand off bracket.

The stand off bracket can be cut to size on site if required. But for a more durable quality and better appearance weinor recommends ordering the bracket to the required dimensions, as it will be fully powder coated leaving no raw edges.

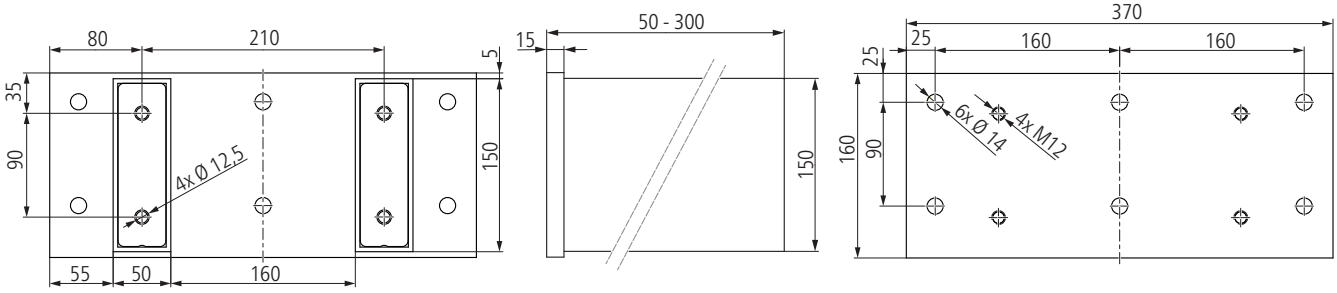




Stand off bracket for wall bracket



Stand off bracket with wall bracket
270 mm



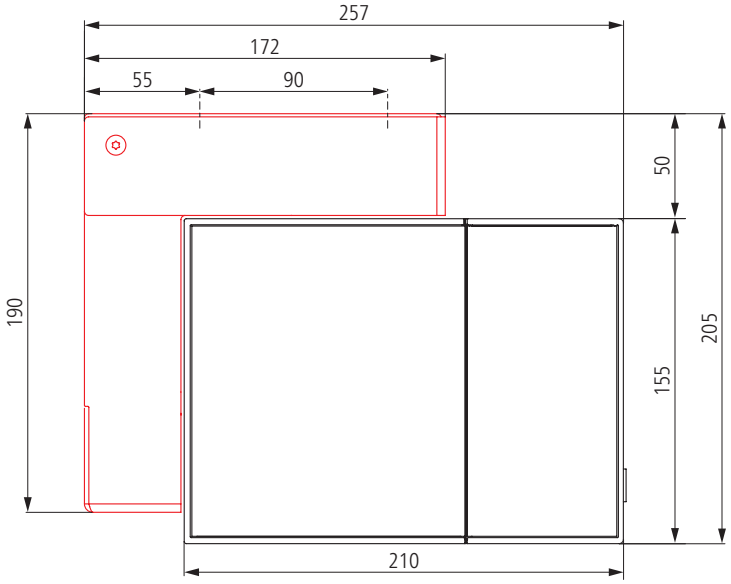
Roof installation



Smaila roof installation

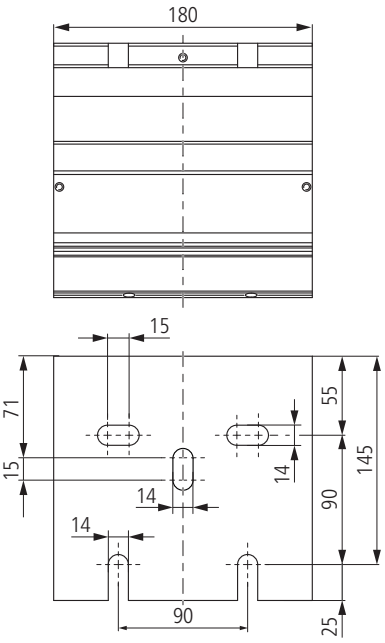


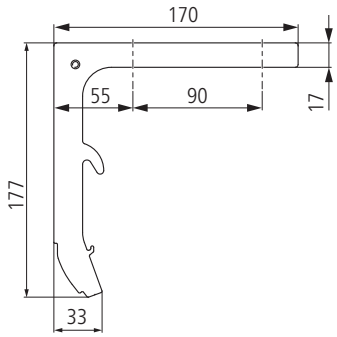
Roof bracket (with cover)





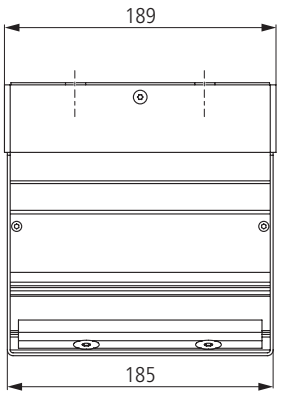
Roof bracket (without cover)

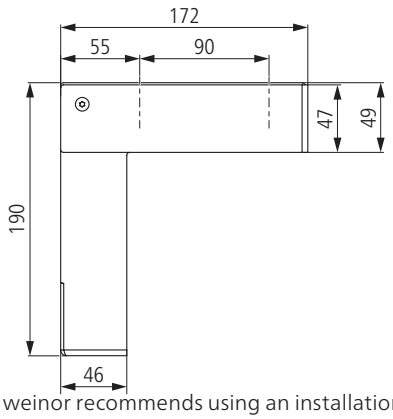






Roof bracket (with cover)



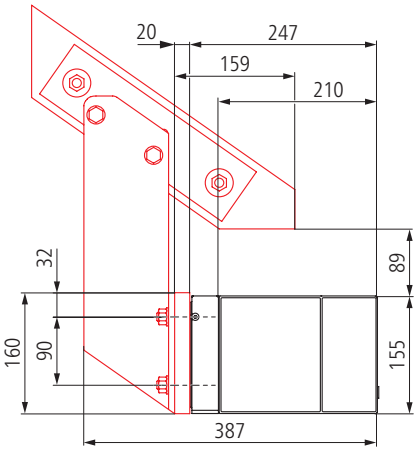


* weinor recommends using an installation plate for the rafter bracket.

Rafter bracket installation



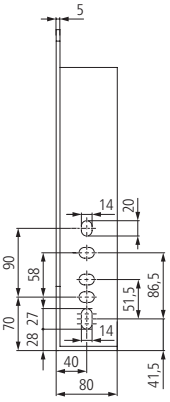
Rafter bracket installation with
rafter bracket and a mounting plate

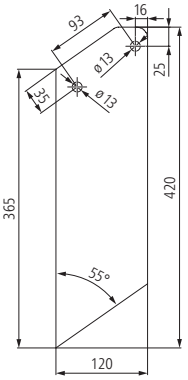




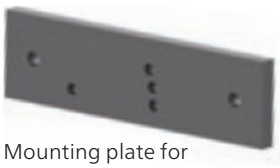
Rafter bracket with installation plate
and wall bracket 270 with cover





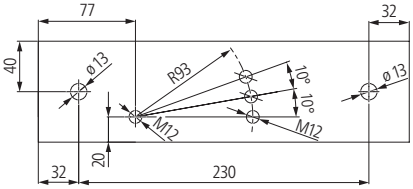


Rafter bracket (right)



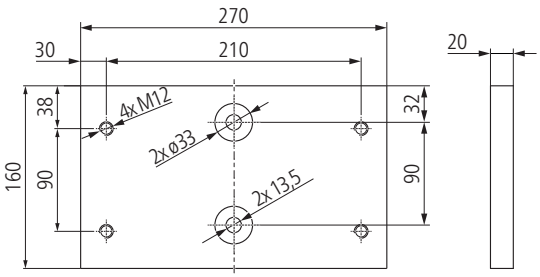
Mounting plate for
294 x 80 x 15 mm
rafter bracket

When using the mounting plate, the material thickness of 15 mm must be taken into account when determining the width.

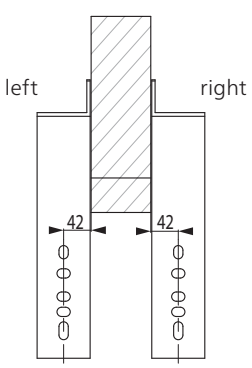




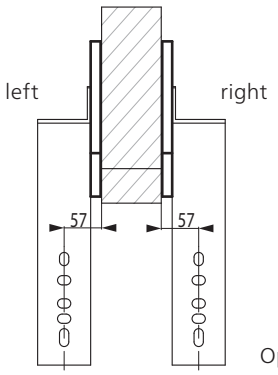
Adapter plate for rafter bracket
270 x 160 x 20 mm



Bracket positions for rafter mounting



Option without mounting plates



Option with mounting plates

Extraction forces

The extraction force is the force with which the weight of the awning and the wind load pull on each upper or front fixing material. The tables indicate this force in N per upper fixing. It varies depending on the awning size and the wall profile/mounting plate used.

Selecting the wall profile and anchoring system:

1. Consult relevant table for extraction force per fixing for selected awning size.

2. Select a wall bracket / installation plate for which a fixing material is available which can resist the indicated extraction force. Here, the spacing and the area which is damaged if the fixing breaks out as well as the fixing material and the mounting base must be taken into account.

Use the separate bracket overview for an exact planning of the awning attachment.

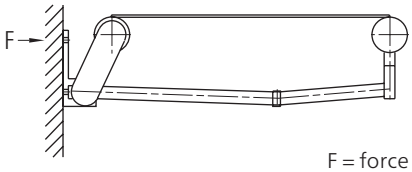
Extraction force in N per upper fixing material for wall bracket
Brackets **without/with** installation plates
Wall installation with up to 200 mm facing (non-pressure-resistant surface)
Please observe the width to length dimension limits.
The extraction forces the version "with VarioShade Valance" can be found in the bracket overview!

1 wall bracket 270 mm
Number of fixing materials: 8

1 installation plate
660 x 220 x 15 mm incl.
1 wall bracket 270 mm
Number of fixing materials: 12

1 installation plate
660 x 390 x 15 mm incl.
1 wall bracket 270 mm
Number of fixing materials: 12

Width in cm	Projection in cm				
	150	200	250	300	350
200	726				
	195				
	195				
250	851	1259			
	228	337			
	228	337			
300	976	1445	2018		
	262	386	539		
	262	386	539		
350	1101	1631	2276	3066	
	295	436	607	818	
	295	436	607	818	
400	1227	1817	2533	3406	4322
	329	486	676	908	1151
	329	486	676	908	1151
450	1352	2003	2791	3746	4755
	362	535	745	999	1267
	362	535	745	999	1267
500	1477	2189	3049	4086	5834
	396	585	814	1090	1554
	396	585	814	1090	1554
550	1602	2375	3307	4427	
	429	635	883	1180	
	429	635	883	1180	



F = force

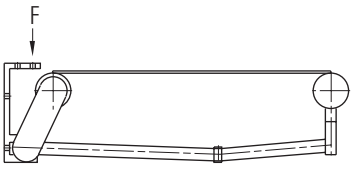


Extraction forces / Shear forces

Extraction force in N per front fixing material for roof mounting

Please observe the width to length dimension limits.
The extraction forces for the version “with VarioShade Valance” can be found in the bracket overview!

1 x ceiling bracket 190 mm
complete (single-part) with cover
Number of fixing materials: 8



F = force

Width in cm	Projection in cm				
	150	200	250	300	350
200	524				
250	610	875			
300	695	1000	1374		
350	780	1125	1546	2064	
400	866	1250	1717	2289	2889
450	951	1374	1888	2514	3175
500	1037	1499	2060	2739	3872
550	1122	1624	2231	2964	

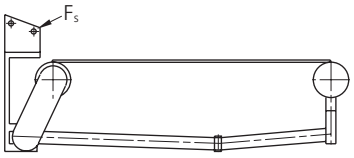


Shear forces in N per fixing material for rafter installation

Please observe the width to length dimension limits.
The shear forces for the version “with VarioShade Valance” can be found in the bracket overview!

1 rafter bracket with
1 adaptor plate for rafter bracket incl.
1 x wall bracket 270 mm,
respectively one left or right version

1 rafter bracket with
1 installation plate for rafter brackets with
1 adapter plate for rafter brackets incl.
1 wall bracket 150 mm,
respectively one left or right version



F_s = Shear force

Width in cm	Projection in cm				
	150	200	250	300	350
200	1577				
	717				
250	1839	2643			
	830	1157			
300	2101	3024	4151		
	943	1318	1777		
350	2362	3405	4673	6227	
	1056	1480	1995	2628	
400	2624	3786	5195	6910	8703
	1169	1641	2213	2911	3638
450	2885	4168	5717	7593	9568
	1282	1802	2432	3195	3995
500	3147	4549	6238	8276	11707
	1395	1964	2650	3478	4867
550	3408	4930	6760	8959	
	1507	2125	2868	3761	

In the case of rafter mounting, the fixings are included in the order.
weinor recommends the use of rafter brackets with installation plate!

