

PATIO PLEASURE

weinor awnings



weinor awnings Excellent quality and design



weinor **AWNINGS** High-quality sun protection that is always suitable

Resilient and long-lasting: weinor folding arm awnings are a combination of high-calibre design and premium technology. Depending on where you want to install your awning, the desired level of convenience and awning features, you can choose from three awning categories.



Cassette-awnings

The cassette keeps the awning fabric and mechanism as safe as houses – the perfect solution if you're looking for the best-possible way to protect your awning.







Semi-cassette awnings

On the semi-cassette awning, the fabric as well as the mechanical parts for the awning roof and retracted drop profile are tucked away safe and sound. For added protection compared to an open awning.







Open awnings

An open awning is at the entry level to weinor's awning world. It is a suitable option if there is an overhang or balcony to protect the awning from the elements.

> Livona/LED . . . 24 Topas . . . 28



DESIGN



Design is a question of style – uncompromisingly beautiful shape

Whether classic or avant-garde, weinor awnings stand out for their high-quality materials and aesthetic look and shape. The result is ultramodern technology in a contemporary design. Feel free to choose the awning that best meets your personal tastes and furnishings.

weinor **AWNINGS** – Highlights

CONVENIENCE

For many years now, weinor has consistently driven innovation in terms of awning design. weinor sets the standards with design and technological features.

TECHNOLOGY

For long evenings on the patio – atmospheric LED lighting

Every awning is optionally available with integrated LED lighting or different light bars. Powerful LED spotlights cast a pleasant, warm white light even when the awning is retracted. Operate and dim your awning using weinor BiConnect radio control. The very energy-efficient LED spotlights last for 30,000 hours.

True to its name – the weinor LongLife arm

The appeal of the low-noise weinor LongLife arm is its very high tension force – even in gusty conditions. This ensures the fabric is exceptionally well positioned. Its resilient high-tech belt has undergone 100,000 cycles in a fatigue test. We back this up with a 10-year warranty. Dropforged aluminium has been added to the arm joint for even greater stability.



Zenara/LED Trend-setting design in its perfect form

The backbone of the ground-breaking design of the weinor Zenara is its innovative technology. With optional integrated LED lighting this awning leaves nothing to be desired.



Zenara/LED – Highlights and features



Avant-garde design for style purists

At one with the facade: even the wider versions of the weinor Zenara require just two wall attachments.

- very sturdy cassette
- up to 6.5 m wide versions at least 5.5 m wide supplied with patented wire tensioning technology used in bridge construction
- with weinor LongLife arm (10-year warranty)



Concealed mechanical parts for a seamless appearance

Every mechanical component has been tucked away inside the housing, giving the Zenara its purist look.

- electronics and controls all tucked away inside the cassette
- patented weinor Opti-Flow-System[®] for the ideal fabric positioning



LED lighting for significantly longer enjoyment of your patio

The pleasant warm white light that comes with the Zenara LED gives you endless hours of joy well into the evening.

- highly energy-efficient
- operating life of 30,000 hours
- infinitely dimmable when used with BiConnect radio control
- can be used even when awning is retracted

Zenara/LED

max. width max. projection

650 cm

400 cm

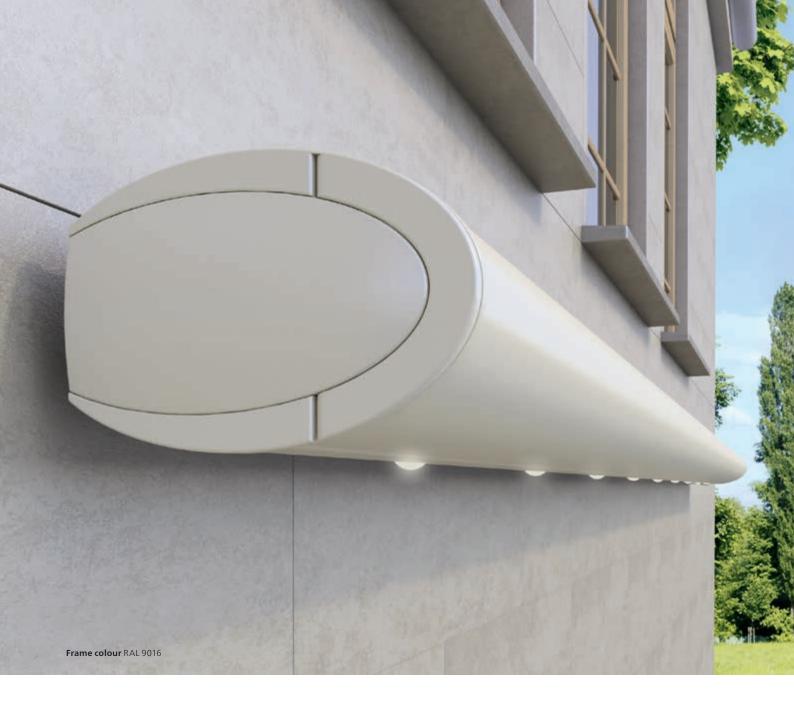




Opal Design II/LED Live it up on your patio

High-performance technology meets high-calibre design – the weinor Opal Design II meets all the demands of a premium cassette-awning. Built to shade large areas, its timelessly classic shape blends in perfectly with any style of architecture. The beautifully-shaped cassette adds some refined sophistication to the facade. A wealth of product highlights makes the awning easy to use, outstandingly convenient in its operation and durable.





The first-class awning with great features

With Valance Plus and integrated LED lighting, the Opal Design II lives up to the highest demands. Multi-section units convert even large patios into well-shaded favourite areas.

Opal Design II/LED – Highlights and features



Classic design for those who enjoy spacious patios

Large, powerful and safe the Opal Design II has enough to convince even the most demanding patio aficionados.

- timelessly classic design
- certified up to wind force 5
- with weinor LongLife arm (10-year warranty)



End cap closure – unique and safe closing mechanism

If you can see the spring loaded clips at the end of the cassette are closed, then the awning is reliably protected against the elements and dirt.

- crescent-shaped cap closes securely with an audible click
- unique, patented solution made by weinor



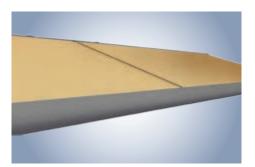
- atmospheric, warm white light for even longer hours of enjoyment on the patio.
- operating life of 30,000 hours
- highly energy-efficient
- infinitely dimmable when used with BiConnect radio control
- can be used even when awning is retracted



Valance Plus – more privacy, more glare protection

With its vertical awning, the Opal Design II Valance Plus provides the best-possible privacy, anti-glare and sun protection.

- valance height up to 210 cm
- patented weinor Opti-Flow-System[®] for the ideal fabric positioning
- coordinated valance control with integrated BiConnect retraction protection



Multi-section units to shade especially large areas

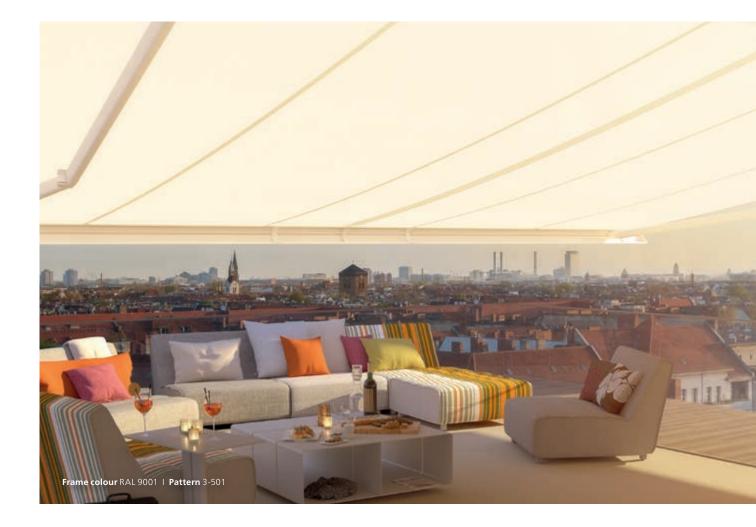
On combined multi-section systems, two sections of fabric are connected to one motor. This means they can both be operated at the same time (does not apply to Valance Plus option).

- for spacious patios up to 48 m²
- jockey cover as connector between the units
- LED spotlights asymmetrically distributed on coupled units

Opal Design II/LED

Valance Plus option max. width max. projection max. width max. projection Valance Plus projection 650 cm/1,200* cm 400 cm 500/600 cm 350/300 cm 100, 150, 210 cm

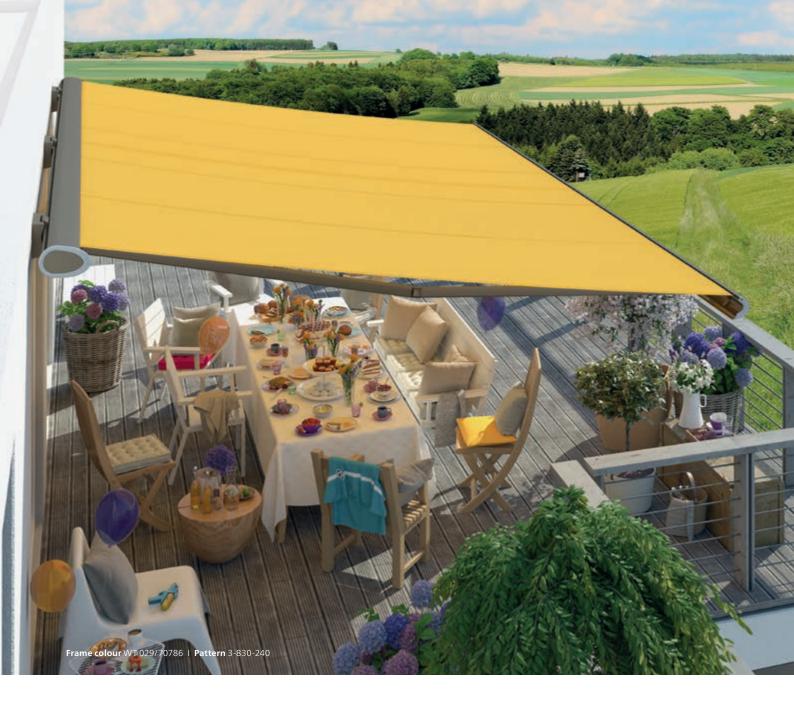




SEMINA LIFE/LED A genuine all rounder

Semina Life is the all rounder amongst cassette awnings. It stands out with it's fresh design, modern clean lines and many features. This combined with weinor's tried and tested technology make it such an attractive alternative to semi cassette awnings. Its many unique technical highlights provide superb sun protection, comfort and a long operating life. Whether young or old, modern or traditional Semina Life is the right choice – in a class of it's own!





A modern look with superb features

The optional Valance Plus and integrated LED spotlights give an extra dimension to the awning whether it is extra shade on a south facing elevation or increased use when dankness falls.

Semina Life/LED – Highlights and features



Youthful design with state-of-the-art technology

The Semina Life cassette protects • modern, clear design the awning against the weather. The beautifully shaped stainless steel look headplate rings perfectly round off your customised combination of frame colour and fabric pattern.

- innovative closing of the awning causing practically no wear at all



Semina Life LED – cassette with integrated LED lighting

The LED spotlights integrated into the cassette produce atmospheric lighting on the patio.

- operating life of 30,000 hours
- highly energy-efficient
- infinitely dimmable when used with BiConnect radio control



Valance Plus – vertical privacy and sun protection

The Valance Plus is elegantly integrated into the awning's front profile. It provides privacy and glare protection even with a low-lying sun.

- continously extendable up to 210 cm
- patented weinor Opti-Flow-System[®] for the ideal fabric positioning
- coordinated valance control with integrated BiConnect retraction protection

Semina Life/LED		Valance Plus option		
max. width	max. projection	max. width	max. projection	Valance Plus projection
650 cm	400 cm	600 cm	350 cm	100, 150, 210 cm



Cassita II/LED A jewel amongst cassette awnings

Slim design and jam-packed with technology – with its puristic shape and ultra-slim cassette, the Cassita II is a perfect match for modern domestic trends. With numerous options for added comfort and convenience.



Cassita II/LED – Highlights and features



Youthful living with slim cassette design

For contemporary home decor aficionados: the outstanding feature of the Cassita II is its puristic, harmoniously flat, oval-shaped design

- beautifully-shaped aluminium end caps
- concealed fixings and screws
- easy end fix installation with only two brackets



High-performance technology in minimal space

Fully sheltered: inside the cassette is the very latest in weinor awning technology.

- durable and very quiet weinor LongLife arm (10-year warranty)
- torsion-resistant Optinut tube ensures ideal fabric positioning



LED lighting – long evenings on the patio included

Pleasant summer evenings on your patio – the Cassita II LED provides warm, white atmospheric LED light.

- highly energy-efficient
- operating life of 30,000 hours
- infinitely dimmable when used with BiConnect radio control
- can be used even when awning is retracted

Cassita II/LED

max. width max. projection 550 cm

300 cm



I 2000/K 2000/N 2000 Proven technology, timeless design

The I 2000 and K 2000 cassette-awnings are true classics. With these weinor offers solutions for any type of building – available with or without a back profile. The N 2000 was especially designed for alcoves, shop fronts and niche installations.

I2000/K2000/N2000 – Highlights and features



Flexible all-rounders for any facade

With its classic proportions and extensively tested concept, this cassette-awning is the ideal fit for any type of building.

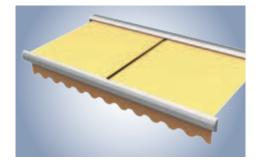
- 1-unit systems up to 7 m in width with 4 m projection
- durable and very quiet weinor LongLife arm (10-year warranty)



Perfect protection and versatile installation

Once the awning is retracted, both the fabric and the mechanical parts are safely protected inside the cassette. A number of versions are available depending on where the awning is to be fitted.

- K 2000 with fully closed cassette for any type of building
- 12000 without rear wall profile, for wall installation



Multi-section units for large patios

2-unit coupled systems that open and retract by means of a motor are a good option for especially large patios.

- for sun protection up to 12 m wide and a projection of up to 4 m
- continuous fabric, or jockey cover to join two sections of fabric



N 2000 - the specialist awning for niche installations

The ultraflat front profile on the N 2000 makes it the ideal choice for installation in facade niches.

- front profile fits flush with the wall or facade
- tilting arm closure assembly ensures the front profile closes very precisely

I2000/K2000		N 2000	
max. width	max. projection	max. width	max. projection
700 cm/1,200* cm	400 cm	600 cm	350 cm

* 2-unit systems



Semina Youthful design meets potent technology

The compact Semina semi-cassette is great in price, functionality and design. If offers a straightforward design and outstanding quality.

Semina – Highlights and features



The compact semi-cassette – fresh, youthful aesthetic appearance

Here, the semi-circular cassette profile together with large front profile ensure the fabric and mechanical parts remain dirtfree.

- compact shape
- durable and very quiet weinor LongLife arm (10-year warranty)



Energy-efficient – the optional LED light bar

Even more hours of enjoyment on your patio – the optionally available LED light bar provides a pleasant warm white light in the evenings.

- highly energy-efficient
- operating life of 30,000 hours
- infinitely dimmable when used with BiConnect radio control
- can be used even when awning is retracted



Wind lock safety device – protecting your awning

The weinor tilting folding arm with patented wind lock safety device prevents the awning from being lifted up by the wind.

- proven, maintenance-free technology
- all components made of forged and extruded aluminium

Semina max. width max. projection 700 cm 350 cm





Livona/LED The essence of an awning

Smart technology forms the backbone of the minimalist design of the open Livona awning. This puristic sun protection appears to float in the air, with little obstructing your view of all the fabric. Innovative LED lighting can also be added at your request to create various ambiences. When combined with the frame colour and fabric, the Livona becomes more than a balcony or patio awning: a modern stylish element for life al fresco.





Purist design

The cool design of the Livona is primarily based on clean lines and it being paired down to its essential parts. Beautifully-shaped aluminium caps, an ultraslim front profile and a seamless design – the look that encapsulates a modern attitude towards life.

Livona/LED – Highlights and features



The floating open awning that gets you even closer to the fabric

Outdoor living is more than just a trend. With its numerous technical innovations, the weinor Livona creates the perfect textile • 2-section systems up to 12 m: environment.

- near invisible carrier bar
- ultraslim front profile
- no visible screws
- with continuous fabric (roller support) or jockey cover



weinor LongLife arm – guaranteed to be resilient and durable

The LongLife arm on the Livona is extremely quiet, lightweight and yet extremely robust due to the use of drop-forged aluminium.

- exceptionally durable hightech belt with over 100,000 cycles in fatigue test
- 10-year warranty
- for exceptional fabric positioning



Atmospheric lighting with the Livona LED

The appeal of the weinor Livona LED is its combination of two LED light rings mounted on the side cover caps and the ultrathin LED Slim light bar.

- highly energy-efficient
- operating life of 30,000 hours
- infinitely dimmable when used with BiConnect radio control
- can be used even when awning is retracted



Valance Plus – integrated vertical privacy and sun protection

If you value your privacy greatly and want to stay sheltered from low-lying sun, the Livona/LED Valance Plus is exactly right for you.

- extends to any length
- anti-glare and privacy screen up to a valance height of 210 cm
- patented weinor Opti-Flow-System[®] for the ideal fabric positioning
- with integrated BiConnect retraction protection control

Livona/LED

max. width max. projection

700/1.200*/600** cm 400 cm

Valance Plus option

max. width 500/600 cm max. projection 350/300 cm



Topas The classic entry-level model

High on quality, low on budget – the weinor Topas open awning is the perfect model to get you started. As it comes with several options, you'll always find a matching Topas no matter the type of building.

Topas – Highlights and features



Uncomplicated and wind-resistant - the low-priced awning

The Topas open awning is very wind-resistant. When combined with one of the beautiful fabrics • durable and very quiet from weinor's extensive fabric collection, it creates a perfect atmosphere.

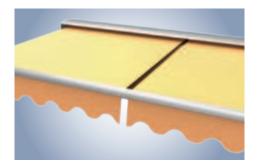
- 1-unit systems up to 7 m in width with 4 m projection
- weinor LongLife arm (10-year warranty)



For all types of structures

As an open awning, the Topas is an especially good fit in niches, alcoves and below balconies. Available in numerous different versions.

- the addition of an aluminium top profile protects the fabric from the elements
- 2-section systems up to 12 m wide, with continuous fabric or jockey cover



Multi-section units - to shade especially large areas

The Topas also comes as a combined multi-section unit for very large terraces.

- as a 2-unit systems up to 12 m
- continuous fabric, or jockey cover to join two sections of fabric

Topas max. width max. projection 400 cm

700 cm/1,200* cm * 2-unit systems





Alternatively, you can operate every element of your awning on your patio or terrace using RTS or io-homecontrol® from **somfy**.

Great comfort thanks to smart solutions

Would you like to be able to control your patio lighting, heating system or awning at the press of a button from your sun lounger? And for the awning to retract all on its own if it's windy and rainy even if you're not at home? Then BiConnect from weinor is just the right solution for you. An easy to operate hand transmitter with or without display even sends the interference-free radio signal through metal facades and thick insulating layers. And it's even possible to control them using a tablet or smart phone with the BiEasy app.

Accessories and control – Comfort and security



Valance Plus – the privacy and sun protection screen

With the Valance Plus, you get to choose the fabric pattern for your main awning. If you want to be able to see out at the same time, the fabrics of the screens by weinor[®] collection are the best choice.



Paravento - side privacy screen at a flick of the wrist

Another way to enjoy greater privacy is to open out a side screen: the Paravento provides exceptional shelter from the wind and prying eyes, in a fabric and colour to match the awning if so desired.



Weather sensors - automatically react to wind and weather

Weather sensors open your awning automatically when the sun comes out and can optionally retract it in the wind and rain:

- solar sensor
- sun and wind sensor (solar-powered version also available)
- sun, wind and rain sensor



Tempura heating system - 2 variations for every living style

Depending on individual taste there are 2 models to choose from: the classic tried and tested Tempura with traditional rounded design or the new Tempura Quadra with modern attractive clean lines.

The compact heating systems blend discreetly into every style of architecture and suits any facade. The instant heat is a superb feature and offers the ultimate in comfort combined with state of the art technology.



Gear drive - when circumstances require this

You can also open and retract your awning using a gear handle – for example if an electrical connection is not possible. This is an equally good solution if you use your awning very rarely.

The **FABRIC** makes the awning

Breathtakingly beautiful and long-lasting: our wide range of fabric patterns brings a cosy atmosphere outdoors – strictly according to your individual taste.

Attractive awning fabrics to suit every taste



my collections[®], weinor's new fabric range consists of 3 different colour ways with a total of 143 patterns in total.

weinor fabrics are made from polyester or acrylic and are spinneret dyed. This guarantees outstanding durability, consistently radiant colours and great UV resistance.

Thanks to the Teflon fabric coating and state-of-the-art nanotechnology, the surface is resistant to oil, water, dirt and prevents rot.

my collections is also impressive in terms of environmental compatibility. The fabrics do not contain any substances harmful to health and they meet all the required environmental standards.

More information at: www.weinor.com/fabric_qualities

Vertical sun protection with a crystal-clear view



weinor external screens effectively protect both the indoors and outdoor spaces from overheating, whilst giving superb sun protection. They can also offer privacy from prying eyes. We recommend the screens by weinor[®] collection for this application.

It includes four different, high-quality fabrics, StarScreen, Perluca, Soltis® and fibreglass screen. They all offer perfect sun protection and privacy for windows, the patio and balconies. Different degrees of transparency and how much air is let through are possible, depending on requirements.







momentum, mélange and not crazy. Choose your favourite pattern from the 3 well selected colour ways. Whether it's timeless neutral, harmonious or creative trends – we have the right material and matching colour for every taste.





RAL 6012 Black green **RAL 1002** Sandy yellow **RAL 1015** Light ivory **RAL 1003 Signal yellow**

Colour manufacturers make every effort to guarantee colour stability. Despite this, as a result of the ban on the use of heavy metals in powder coatings, it therefore cannot be

excluded that colours in general, and Fire Red (RAL 3000) in particular, may fade with

time

Over 200 modern FRAME COLOURS

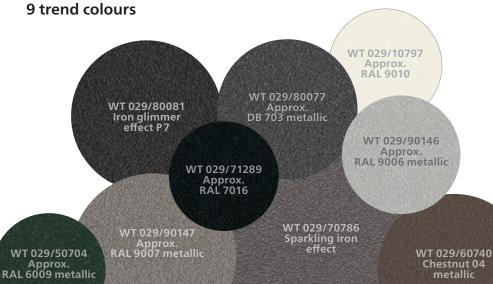
Maximum colour safety: weinor has over 200 different frame colours for you to choose from. You can choose from diverse colours which harmonise with the architecture.

Identical colours – for a perfect match

As weinor does all the powder coating in its own workshop, you can also rest assured that different weinor products come with the same top-class colour tonality and identical gloss level.

Choose from an abundance of high-quality colours:

- 47 standard RAL rack colours, silk gloss
- 9 scratchproof, resistant trend colours with an elegant textured look (standard)
- over 150 special RAL colours





Award-winning design

Timelessly classic or puristically modern – with a weinor product, any outdoor area can be used better and for longer. Numerous design awards bear testimony to our commitment to provide good designs:



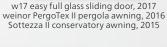


Cassita II cassette-awning, 2014 Zenara cassette-awning, 2012

More information at: weinor.com/awards



Tempura Quadra heating system, 2018 w17 easy full glass sliding door, 2017 Semina Life cassette-awning, 2016 Livona open awning, (Honourable Mention), 2014 Zenara, and Cassita II cassette-awnings, 2014 Terrazza Glasoase® cold roof conservatory, 2009





Sottezza II conservatory awning, 2017 w17 easy full glass sliding door, 2017 Zenara cassetteawning, 2013 2018 w17 easy full glass sliding door, 2018 (winner) Zenara and Opal Design II cassette-awnings, 2014 (Special Mention)



weinor PergoTex II pergola awning, 2016



Sottezza II

conservatory awning, 2016



w17 easy full glass sliding door, 2018 Livona open awning, 2015 Zenara, Opal Design II and Cassita II cassette-awnings, 2014



weinor PergoTex II pergola awning, 2016

Top weinor quality for certain



made in Germany



Most definitely an original product Embodying innovation – constant enhancements Tried and tested weinor quality – certified production processes, top standards Sustainability and responsibility – high environmental standards and regular checks

weinor certificate of authenticity

Every weinor product is delivered with a certificate of authenticity. Ask your retailer and partner for it!

Important:

Fabric qualities: weinor awning fabrics meet strict quality requirements and are produced using state-of-the-art production technology. Despite this, blemishes like creases, rippling in the seam and hem area, overstretching in the hem area and honeycombing cannot be ruled out. This has no negative impact on the quality and operating life and are not a reason for rejection. For more detailed information: www.weinor.com/fabric_qualities

Awnings and conservatory awnings: must be retracted when it is raining or windy – risk of pooling! Fabrics that are allowed to become wet may show increased signs of creasing and wrinkling. They should therefore be extended again to dry when the weather is better. Frame colours: depending on the frame colour ordered, we deliver all small parts, as well as gear handles and gear boxes in black (similar to RAL 9005), white (similar to RAL 9016), or in grey (similar to weinor 7319).

AWNINGS Product overview

Product overview				
	Zenara/LED	Opal Design II/LED	Semina Life/LED	Cassita II/LED
Technology	Cassette-awnings			
Max. width x max. projection, 1-unit/2-unit systems with continuous fabric or jockey cover	650 cm x 400 cm	1-unit: 650 cm x 400 cm 2-unit: 1,200 cm x 400 cm	650 cm x 400 cm	550 cm x 300 cm
Cassette size/Side dimensions (W x H), incl. bracket	Zenara: 280mm x 160mm Zenara LED: 280mm x 165mm	Opal Design II: 265mm x 160mm Opal Design II LED: 265mm x 165mm	Semina Life/LED: 307 mm x 194 mm	Cassita II/LED: 266 mm x 155 mm
MiniMax: projection greater than width	—	—	_	—
Motor drive	as standard	as standard	 as standard 	as standard
Gear drive	—	0	0	0
Angle of pitch on awning	5° – 40°	5° – 40° (with projection from 351 cm 7° to 40°)	5° – 25°	5° – 45°, with gear handle 5° – 25°
Installation options	can be installed on walls,	ceilings and rafters		
Lighting	Zenara LED	Opal Design II LED	Semina Life LED	Cassita II LED
LongLife awning arm	•	•	•	•
Valance Plus option				
Max. width	_	500 cm/600 cm	600 cm	_
Max. projection	—	350 cm/300 cm	350 cm	_
Cassette size (W x H)	_	Opal Design II: 326 mm x 160 mm Opal Design II LED: 326 mm x 165 mm	367 mm x 194 mm	_
Motor drive (only possible if primarily motor-driven)	_	•	•	-
Gear drive	—	0	\bigcirc	—
Angle of pitch on awning	—	10° – 20°	10° – 20°	—
Valance Plus projection (H)	—	100 cm, 150 cm, 210 cm	100 cm, 150 cm, 210 cm	
Frame colours				
47 standard frame colours	•	•	•	•
Over 150 other RAL colours	0	0	0	0
9 trend colours	•	•	•	•
Fabric collection				
my collections	•		•	•
screens by weinor®				
StarScreen	—	● / ○ only Valance Plus	● / ○ only Valance Plus	_
Perluca	—	● / ○ only Valance Plus	● / ○ only Valance Plus	_
Soltis® 86/92	—	● / ○ only Valance Plus	● / ○ only Valance Plus	
Accessories and quality	' 			
Heating system Tempura*	0	 attachment with special bracket 	 attachment with special bracket 	0
Heating system Tempura Quadra*	0	 attachment with special bracket 	0	0
BiSens Agido-3V product protection sensor	0	0	0	0
Radio control	0	0	0	0

wind force 5 on the Beaufort scale and wind resistance class 2 according to DIN 13561

* Please ensure the gap to the Valance Plus is sufficient. Safer retraction protection with BiConnect.

● standard ○ option — unavailable

Tested up to

		0	
I 2000/K 2000/N 2000	Semina	Livona/LED	Topas
	Semi-cassette awning	Open awnings	
I/K 2000: 1-unit: 700 cm x 400 cm 2-unit: 1,200 cm x 400 cm N 2000: 600 cm x 350 cm	700 cm x 350 cm	Livona: 1-unit: 700 cm x 400 cm Livona: 2-unit: 1,200 cm x 400 cm Livona LED: 600 cm x 400 cm MiniMax: 500 cm x 400 cm	1-unit: 700 cm x 400 cm 2-unit: 1,200 cm x 400 cm
I/K 2000: 198 mm x 211 mm N 2000: 202 mm x 197 mm	204 mm x 204 mm	with roof: 282 mm x 190 mm without roof: 275 mm x 190 mm MiniMax with roof: 282 x 283 mm MiniMax without roof: 275 x 283 mm	with roof: 220 mm x 210 mm without roof: 210 mm x 180 mm
—	—	\bigcirc only without LED and Valance Plus	—
 as standard 	 as standard 	as standard	 as standard
0	0	0	\bigcirc
5° – 40°	5° – 40°	5° – 20° MiniMax: 5° – 15°	5° – 40°
can be installed on walls, ceiling	s and rafters		
○ LED Design/3Spot bar	0	 Livona LED: 2 light rings, LED Slim light bar 	○ LED Design/3Spot bar
•	•	•	•
—	-	500 cm/600 cm	—
—	-	350 cm/300 cm	—
_	_	313 mm x 190 mm	_
-	-	•	—
—	—	0	—
-	—	5° – 20°	—
—	—	100 cm, 150 cm, 210 cm	—
•	•	•	•
0	0	0	0
•	•	•	•
•	•	•	•
—	-	 / O only Valance Plus 	-
-	-	● / ○ only Valance Plus	-
—	-	 / O only Valance Plus 	-
0	0	0	0
0	0	0	0
0	0	0	0

 \bigcirc

wind force 5 on the Beaufort scale and wind resistance class 2 according to DIN 13561





Experience the whole weinor.com world

Front cover: Frame colour WT 029/90147 | Pattern 3-501 Back cover: Frame colour WT 029/70786 | Pattern 3-716

Your specialist weinor partner will be pleased to advise you:

Patent no	
994221	2202376
1206609	2383402
1382770	2458107
1522650	2631386
1541776	3054063
1564364	EP0916781
1835089	EP0959195
1936061	EP1310609
1936062	EP1936105
2009192	EP2136214
2072709	EP3048213B1
2136013	EP3054063B1
2199484	