



Cassette awning

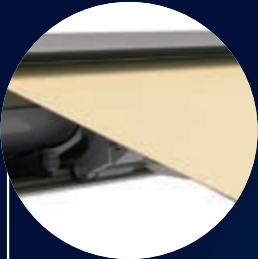
# Opal Design II

## Opal Design II LED | Valance Plus | LED Valance Plus

The **Opal Design II** cassette awning stands out for its timeless, classic design hand in hand with groundbreaking weinor technology. Made to shade large areas, it blends in harmoniously with its surrounding architecture, the attractive shape of the cassette adding a sophisticated element. A wide range of tempting and practical optional extras make it easy to operate and wonderfully convenient while also extending its lifetime.

**Wind lock safety device:**

The ultramodern technology prevents the awning from lifting up when wind gusts from below



**End cap closure:**

Unique and safe closing mechanism



**Mounting options:**

Installation on walls, ceilings and rafters is possible



Wall mounting



Ceiling mounting



Rafter mounting

**Opal Design II LED (optional):**

Integrated lighting



# Opal Design II Highlights

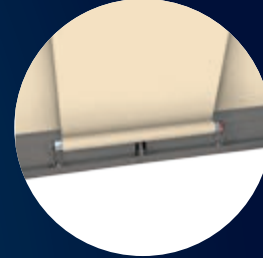


**Awning cassette:**  
Classic design with the latest technology

**Versions:**

Valance Plus

Multi-section units



**weinor LongLife arm:**  
Very durable and low-noise



# Opal Design II Benefits



## **Awning cassette – classic design with the latest technology**

Classic, timeless design plus superior high-tech elements are united in the top-class weinor Opal Design II awning.

- Cassette is just 16 cm high: particularly flat, attractive shape
- Smart cassette design for the utmost stability and safety



## **End cap closure – unique and safe closing mechanism**

If you can see that the crescent-shaped caps at the sides of the drop profile are closed then the awning is reliably protected against damp and dirt.

- Unique, patented weinor technology
- The only awning on the market with this USP



## **LEDs and Valance Plus – integrated lighting and vertical protection**

The Opal Design II LED variant adds integrated “warm light” LED lighting to the awning

- Individual LED spotlights integrated into awning cassette
- Infinitely dimmable when used with BiConnect radio control

The Opal Design II Valance Plus option provides vertical protection against the sun and prying eyes.

- Attractive fabric combinations
- Patented weinor OptiFlow-System® to keep fabric ideally positioned and to close the drop profile safely





### Multi-section units – to shade especially large areas

The Opal Design II also comes as a combined multi-section unit for very large terraces.

- As a 2-part unit up to 1,200 cm
- Jockey cover: easy to fit
- Coupled version not possible with Valance Plus



### Wind lock safety device – reliable protection

The ultramodern technology prevents the awning from lifting up when wind gusts from below.

- Patented wind lock safety device
- Via a tilting member, the drop profile and awning arm are tilted when ascending
- Proven, maintenance-free technology
- All components made of forged and extruded aluminium



### LongLife Arm – durable, quiet operation

The LongLife arm features an exceptionally robust high-tech belt.

- Tested to more than 100,000 cycles
- Extremely quiet operation
- No maintenance required
- Drop forged aluminium in joint – light but highly robust

# Opal Design II Technology

Versions of Opal Design II	Opal Design II	Opal Design II LED
<b>Technology</b>		
Max. width, 1-section/2-section with jockey cover	650 cm/1,200 cm	650 cm/1,200 cm
Max. projection	400 cm	400 cm
Cassette size (w x h) incl. standard bracket	265 mm x 160 mm	265 mm x 165 mm
Coupled systems	<input type="radio"/>	<input type="radio"/>
Gear drive	<input type="radio"/>	—
Motor drive	● as standard	● as standard
Angle of pitch on awning	5° – 40° (with projection from 351 cm 7° to 40°)	5° – 40° (with projection from 351 cm 7° to 40°)
Installation alternatives	Can be installed on walls, ceilings 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
<b>Valance Plus option</b>		
Max. width	500 cm/600 cm	500 cm/600 cm
Max. awning projection	350 cm/300 cm	350 cm/300 cm
Cassette size (w x h)	326 x 160 mm	326 x 165 mm
Gear drive	<input type="radio"/>	<input type="radio"/>
Motor drive	● as standard	● as standard
Angle of pitch on awning	10° to 20°	10° to 20°
Valance Plus projection (h)	100 cm, 150 cm, 210 cm	100 cm, 150 cm, 210 cm
Patented weinor Opti-Flow-System®	● as standard	● as standard
<b>Accessories</b>		
Tempura/Tempura Quadra heating system for Opal Design II/LED	<input type="radio"/> bracket with special attachment	<input type="radio"/> bracket with special attachment
BiSens Agido-3V product protection sensor	<input type="radio"/>	<input type="radio"/>
<b>Controls</b>		
Radio control	<input type="radio"/>	<input type="radio"/>
No remote	fully wired and ready to plug in	fully wired and ready to plug in
<b>Weather sensors</b>		
Sun/wind sensor BiConnect BiSens SW-230V	<input type="radio"/>	<input type="radio"/>
Sun/wind sensor solar powered BiConnect BiSens SW-Solar	<input type="radio"/>	<input type="radio"/>
Sun/wind/rain sensor BiConnect-BiSens-SWR-230V	<input type="radio"/>	<input type="radio"/>
<b>Quality</b>		
Tested up to	wind resistance class 2 according to DIN 13561 (wind strength 5 on the Beaufort scale)	

● standard    optional   — unavailable

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

# Opal Design II LED



## LED lighting – 30,000 hours of lighting require minimal energy consumption

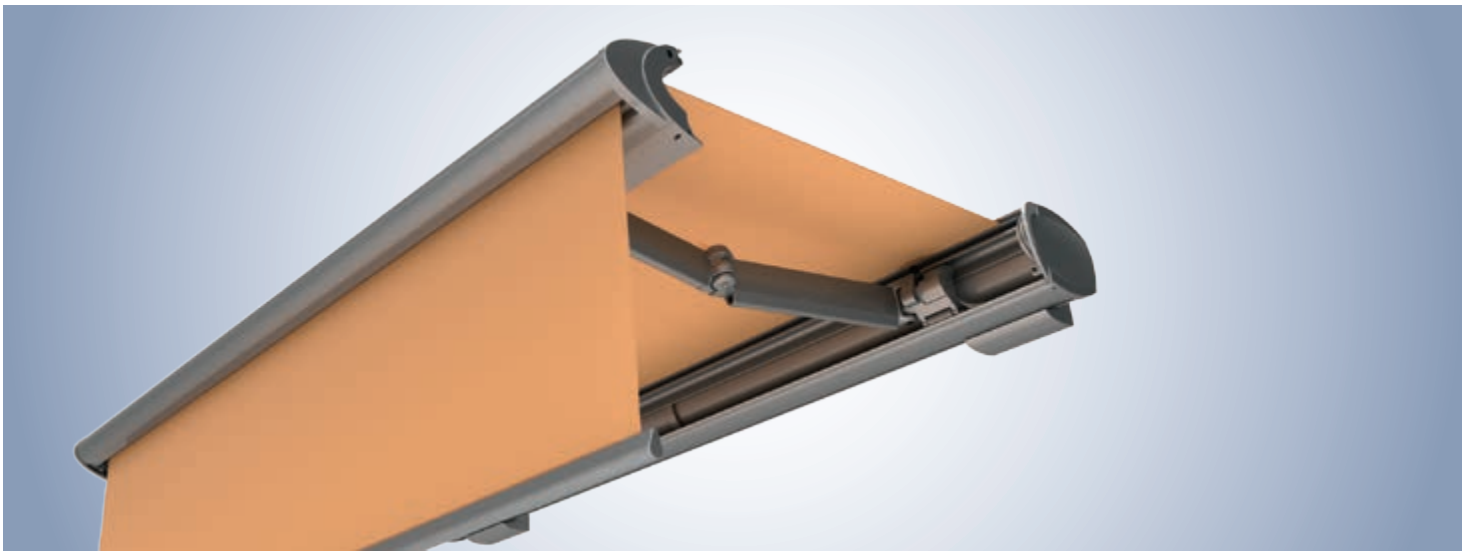
Select LED components for top weinor quality:

- Integrated into the cassette
- Atmospheric light thanks to special glass lenses
- Lighting remains on even when awning is retracted
- Highly energy-efficient
- Operating life of 30,000 hours
- Infinitely dimmable when used with BiConnect radio control
- Easy to service: simply replace individual LED lights without uninstalling the awning

### Integrated LED lighting

Awning width in cm	Number of separate LED spotlights	Awning width in cm	Number of separate LED spotlights
187 – 219 cm	3	440 – 494 cm	8
220 – 274 cm	4	495 – 549 cm	9
275 – 329 cm	5	550 – 603 cm	10
330 – 384 cm	6	604 – 650 cm	11
385 – 439 cm	7		

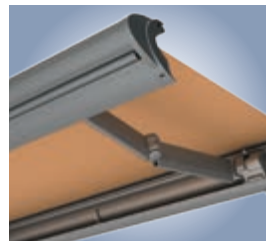
# Opal Design II Valance Plus



## More privacy thanks to vertical privacy and sun screen (optional)

The motorised vertical awning fits elegantly into the awning's front profile.

- Glare protection and privacy shield up to a maximum valance height of 210 cm
- Extends to any length
- Awning can be set to any angle from 10° to 20°
- Valance Plus cannot be retrofitted



Closed



Motorised



Gear drive

## Maximum awning size for Valance Plus

Motorised main drive			
Width	500 cm	Projection	350 cm
Width	600 cm	Projection	300 cm

## Available fabrics for the Valance Plus

	Soltis® 86, 92	Soltis® 86, 92	Acrylic	Perluca		Polyester		Star-Screen	Fibreglass screen		
Pattern	unicolour	unicolour	stripes	unicolour	unicolour	unicolour	unicolour	stripes	unicolour	unicolour	
Roll width	177 cm	267 cm	120 cm	120 cm	240 cm	120 cm	240 cm	120 cm	120 cm	325 cm	max. 320 cm*
Valance length											
100 cm	N	N	L	N	N	N/L	N	L	N	N	N
150 cm	N	N	–	Q	N	Q	N	–	Q	N	N
210 cm	Q	N	–	Q	N	Q	N	–	Q	N	–

N Seamless: seamless fabric; structure of fabric runs crosswise to structure of awning fabric

Q Transverse seam: fabric with transverse seam; either in top or bottom third as desired; structure of fabric runs diagonally to structure of awning fabric

L Longitudinal seam: structure of fabric runs longitudinally to structure of awning fabric

– Not available

\* Max. roll widths are stipulated in the collection brochure

Please note: On the gear-driven Valance Plus, it is possible that the Valance Plus bottom rail will close unevenly.



# Opal Design II Controls

weinor BiConnect radio technology

01

Product	Electronics	BiConnect control	Remote receiver	Transmitter
Opal Design II	Opal Design II drive	<ul style="list-style-type: none"> <li>• BiRec receiver integrated into cassette</li> </ul>	BiRec MA-K	<ul style="list-style-type: none"> <li>• BiEasy 1M/5M/15M/15M Go! hand transmitter</li> <li>• App</li> <li>• 1MW-3V wall transmitter</li> </ul>
Opal Design II LED	Opal Design II drive and LED lighting	<ul style="list-style-type: none"> <li>• BiRec combi-receiver for main drive and LED spotlights (with integrated power supply pack) integrated into cassette</li> <li>• Dimmable LED</li> </ul>	BiRec MLED	<ul style="list-style-type: none"> <li>• BiEasy 5M/15M/15M Go! hand transmitter</li> <li>• App</li> </ul>
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	<ul style="list-style-type: none"> <li>• BiRec combi-receiver for main drive and Valance Plus drive integrated into cassette</li> <li>• Table clearing protection</li> <li>• Gradual soft stop</li> </ul>	BiRec MVLED	<ul style="list-style-type: none"> <li>• BiEasy 5M/15M/15M Go! hand transmitter</li> <li>• App</li> </ul>
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	<ul style="list-style-type: none"> <li>• BiRec combi-receiver for main drive, Valance Plus drive and LED spotlights (with integrated power supply pack) integrated into cassette</li> <li>• Dimmable LED</li> <li>• Table clearing protection</li> <li>• Gradual soft stop</li> </ul>	BiRec MVLED	<ul style="list-style-type: none"> <li>• BiEasy 5M/15M/15M Go! hand transmitter</li> <li>• App</li> </ul>
Accessories (optional)	Tempura/Tempura Quadra heating system	<ul style="list-style-type: none"> <li>• Dimmable, additional receiver required</li> <li>• Installation of the receiver in the design bar provided for this purpose or the Tempura Quadra box</li> </ul>	BiRec HD	<ul style="list-style-type: none"> <li>• BiEasy 5M/15M/15M Go! hand transmitter</li> <li>• App</li> </ul>

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



## Exclusive retraction protection

- Co-ordinated retraction: first the Valance Plus, then the awning
- To make sure nothing gets knocked over on the terrace

## Opal Design II Controls

### Somfy RTS radio technology

Product	Electronics	Somfy RTS control	Remote receiver	Transmitter
Opal Design II	Opal Design II drive	<ul style="list-style-type: none"> <li>Somfy RTS remote-controlled motor integrated into cassette</li> </ul>	Somfy RTS remote-controlled motor	<ul style="list-style-type: none"> <li>Telis 1 RTS Pure/Telis 1 Soliris RTS Pure/Telis 4 RTS Pure/Telis 4 Soliris RTS Pure hand transmitter</li> <li>Smooove 1 wall transmitter</li> </ul>
Opal Design II LED	Opal Design II drive and LED lighting	<ul style="list-style-type: none"> <li>Somfy RTS remote-controlled motor integrated into cassette</li> <li>Additional Somfy receiver for the LED spotlights (with downstream power supply pack) integrated into cassette</li> <li>LED not dimmable</li> </ul>	Somfy RTS remote-controlled motor and Lighting Slim Receiver RTS	<ul style="list-style-type: none"> <li>Telis 4 RTS Pure/Telis 4 Soliris RTS Pure hand transmitter</li> </ul>
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	<ul style="list-style-type: none"> <li>Somfy RTS remote-controlled motor integrated into cassette</li> <li>Additional Somfy receiver for Valance Plus drive integrated into cassette</li> <li>No retraction protection in windy conditions</li> </ul>	Somfy RTS remote-controlled motor and Universal Receiver RTS	<ul style="list-style-type: none"> <li>Telis 4 RTS Pure/Telis 4 Soliris RTS Pure hand transmitter</li> </ul>
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	<ul style="list-style-type: none"> <li>Additional Somfy receiver for Valance Plus drive and LED spotlights (with downstream power supply pack) integrated into cassette</li> <li>LED not dimmable</li> <li>No retraction protection in windy conditions</li> </ul>	Somfy RTS remote-controlled motor, Universal Receiver RTS and Lighting Slim Receiver RTS	<ul style="list-style-type: none"> <li>Telis 4 RTS Pure/Telis 4 Soliris RTS Pure hand transmitter</li> </ul>
Accessories (optional)	Tempura/Tempura Quadra heating system	<ul style="list-style-type: none"> <li>Not dimmable, additional receiver required</li> <li>Installation of the receiver in the design bar provided for this purpose or the Tempura Quadra box</li> </ul>	Heating Slim Receiver RTS Plug	<ul style="list-style-type: none"> <li>Telis 4 RTS Pure/Telis 4 Soliris RTS Pure hand transmitter</li> </ul>

### Somfy io-homecontrol® radio technology

Product	Electronics	Somfy io-homecontrol control	Remote receiver	Transmitter
Opal Design II	Opal Design II drive	<ul style="list-style-type: none"> <li>Somfy io remote-controlled motor integrated into cassette</li> </ul>	Somfy io remote-controlled motor	<ul style="list-style-type: none"> <li>Situo 1 io Pure/Situo 5 io Pure/Easy Sun io Pure Shine hand transmitter</li> <li>Smooove 1 io Pure Shine wall transmitter</li> </ul>
Opal Design II LED	Opal Design II drive and LED lighting	<ul style="list-style-type: none"> <li>Somfy io remote-controlled motor integrated into cassette</li> <li>Additional Somfy receiver for the LED spotlights (with downstream power supply pack) integrated into cassette</li> <li>LED not dimmable</li> </ul>	Somfy io remote-controlled motor and Lighting Receiver io	<ul style="list-style-type: none"> <li>Situo 5 io Pure/Easy Sun io Pure Shine hand transmitter</li> </ul>
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	<ul style="list-style-type: none"> <li>Somfy io remote-controlled motor integrated into cassette</li> <li>Additional Somfy receiver for Valance Plus drive integrated into cassette</li> <li>No retraction protection in windy conditions</li> </ul>	Somfy io remote-controlled motor and radio control Awning Slim Receiver io Plug	<ul style="list-style-type: none"> <li>Situo 5 io Pure/Easy Sun io Pure Shine hand transmitter</li> </ul>
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	<ul style="list-style-type: none"> <li>Somfy io remote-controlled motor integrated into cassette</li> <li>Additional Somfy receiver for Valance Plus drive and LED spotlights (with downstream power supply pack) integrated into cassette</li> <li>LED not dimmable</li> <li>No retraction protection in windy conditions</li> </ul>	Somfy io remote-controlled motor, Lighting Receiver io and radio control Awning Slim Receiver io Plug	<ul style="list-style-type: none"> <li>Situo 5 io Pure/Easy Sun io Pure Shine hand transmitter</li> </ul>
Accessories (optional)	Tempura/Tempura Quadra heating system	<ul style="list-style-type: none"> <li>Not dimmable, additional receiver required</li> <li>Installation of the receiver in the design bar provided for this purpose or the Tempura Quadra box</li> </ul>	Heating Slim Receiver on/off io 2KW STAS3/STAK3	<ul style="list-style-type: none"> <li>Situo 1 io Pure/Situo 5 io Pure/Easy Sun io Pure Shine hand transmitter</li> <li>Smooove 1 io Pure Shine wall transmitter</li> </ul>

## Hard wired with Somfy control

Product	Electronics	Hard wired Somfy control	Control
Opal Design II	Opal Design II drive	<ul style="list-style-type: none"> <li>• Somfy control for awning drive</li> </ul>	e.g. Soliris Smooove Uno
Opal Design II LED	Opal Design II drive and LED lighting	<ul style="list-style-type: none"> <li>• Somfy control for awning drive</li> <li>• Switch on site for the LED spotlights</li> <li>• LED power supply pack integrated into the cassette</li> <li>• LED not dimmable</li> </ul>	e.g. Soliris Smooove Uno and suitable light switch (on site)
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	<ul style="list-style-type: none"> <li>• Somfy control for awning drive</li> <li>• Switch on site for the Valance Plus drive</li> <li>• No retraction protection in windy conditions</li> </ul>	e.g. Soliris Smooove Uno and suitable double rocker switch (on site)
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	<ul style="list-style-type: none"> <li>• Somfy control for awning drive</li> <li>• Switch on site for the Valance Plus drive</li> <li>• No retraction protection in windy conditions</li> <li>• Switch on site for the LED spotlights</li> <li>• LED power supply pack integrated into the cassette</li> <li>• LED not dimmable</li> </ul>	e.g. Soliris Smooove Uno, and suitable double rocker switch and light switch (on site)
Accessories (optional)	Tempura/Tempura Quadra heating system	<ul style="list-style-type: none"> <li>• Not dimmable</li> </ul>	Suitable switch (on site)

## Hard wired (existing switch/power supply on site)

Product	Electronics	Hard wired control	Control
Opal Design II	Opal Design II drive	<ul style="list-style-type: none"> <li>• Awning switch for the awning drive</li> </ul>	e.g. double rocker switch switch (on site)
Opal Design II LED	Opal Design II drive and LED lighting	<ul style="list-style-type: none"> <li>• Awning switch for the awning drive</li> <li>• Switch on site for the LED spotlightss</li> <li>• LED power supply pack integrated into the cassette</li> <li>• LED not dimmable</li> </ul>	e.g. double rocker switch and suitable light switch (on site)
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	<ul style="list-style-type: none"> <li>• Awning switch for the awning drive</li> <li>• Switch on site for the Valance Plus drive</li> <li>• No retraction protection in windy conditions</li> </ul>	e.g. 2 double rocker switches (on site)
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	<ul style="list-style-type: none"> <li>• Awning switch for the awning drive</li> <li>• Switch on site for the Valance Plus drive</li> <li>• No retraction protection in windy conditions</li> <li>• Switch on site for the LED spotlights</li> <li>• LED power supply pack integrated into the cassette</li> <li>• LED not dimmable</li> </ul>	e.g. 2 double rocker switches and suitable light switch (on site)
Accessories (optional)	Tempura/Tempura Quadra heating system	<ul style="list-style-type: none"> <li>• Not dimmable</li> </ul>	Suitable switch (on site)

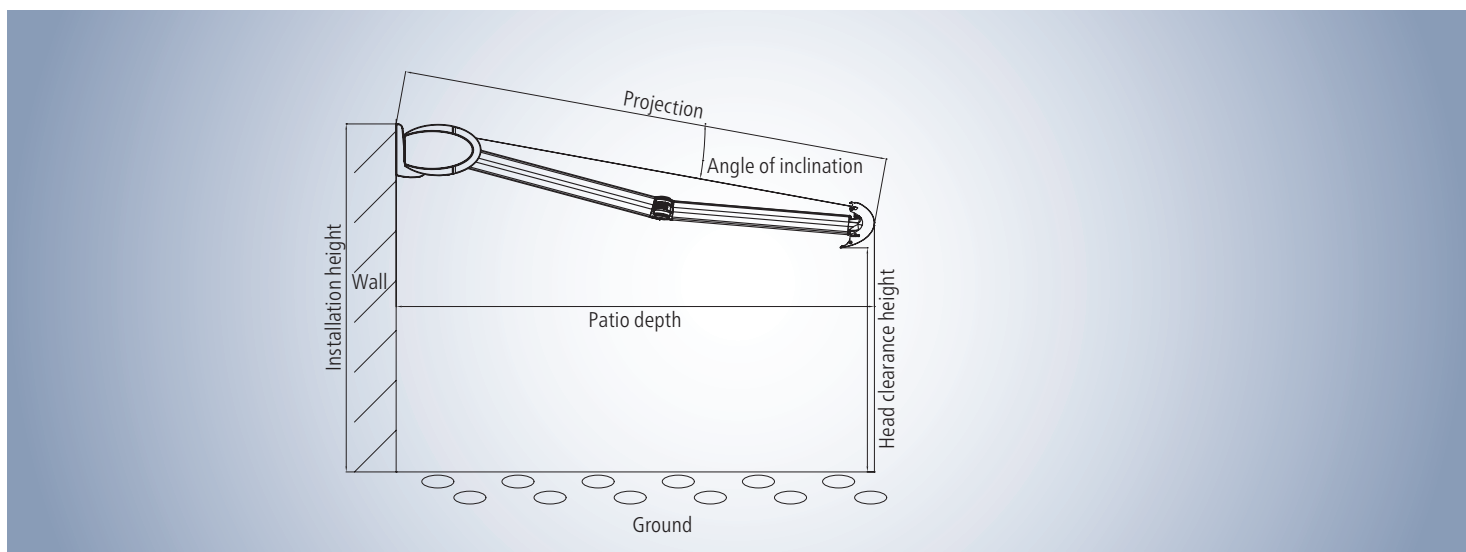


**Note:**

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.

# Opal Design II Planning



## Site measurements – Determining the projection and head clearance height

- Find the projection by looking in the “Projection” table for the terrace depth.
- Using the projection from the table and the required angle of inclination, consult the “head clearance height” table for the head clearance height. This head clearance height refers to 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

Angle of pitch	Terrace depth in cm					
	150	200	250	300	350	400
5°	150	200	250	300	350	400
15°	160	210	260	310	360	410
25°	170	220	280	330	390	440

Projection in cm (rounded figures)

This table can be used to find the awning projection for any given horizontal patio depth.

### Determining the head clearance height

Angle of pitch	Projection in cm					
	150	200	250	300	350	400
5°	275	270	270	260	260	250
15°	250	240	220	210	200	190
25°	220	200	180	160	140	120

Head clearance height in cm (rounded figures)

This table is used to find the head clearance heights for various projections when the angle of pitch is 5°, 15° or 25°.

This table is based on the example of an installation height of 300 cm (upper edge of awning).

Wall bracket

Sizes and bracket recommendations



Width in cm	Number of arms	Projection in cm (irregular figures possible)					
		150	200	250	300	350	400
187 – 200	2	●					
201 – 250	2	●	●				
251 – 300	2	●	●	●			
301 – 350	2	●	●	●	●		
351 – 400	2	●	●	●	●	●	
401 – 450	2	●	●	●	●	●	●
451 – 500	2	●	●	●	●	●	●
501 – 550	2	▲	▲	▲	▲	▲	▲
551 – 600	2	▲	▲	▲	▲	▲	▲
601 – 650	2	▲	▲	▲	▲	▲	▲

Wall mounting on C20/25 concrete

with up to 200-mm facing, wind resistance class 2 and a permissible centic tensile load of 5.71 kN for anchor bolts

- 2 Opal Design II standard wall brackets, 150 mm
- 2 Opal Design II standard wall brackets, 300 mm
- ▲ 3 Opal Design II standard wall brackets, 150 mm
- ▲ 2 Opal Design II standard wall brackets, 300 mm and 1 standard central bracket 150 mm







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made in Germany



Awning



Awning  
with Valance Plus  
and Tempura



Awning  
with Valance Plus  
and Paravento



Pergola awning  
Plaza Viva  
and Paravento



Pergola awning  
weinor PergoTex II  
and Tempura



Pergola awning  
weinor PergoTex II  
with VertiTex II



Terrazza  
patio roof  
with Sottezza II  
sun protection



Terrazza patio roof  
with lateral SUPER LITE  
fixed glazing



Glasoase® with  
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