

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.

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UPDATE august 2021

Page 52, Certain designs are no longer available for Valance Plus

Page 54, Page updated

Page 57,

Table and whole page adapted

. Page 58,

Technical drawings adapted

Page 61, Note for front roof mounting added

Pages 64-66, Tables and whole pages adapted and added

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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



Ceiling mounting **Opal Design II LED (optional):** Integrated lighting



Rafter mounting

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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



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Opal Design II Benefits



Cassette awning – 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



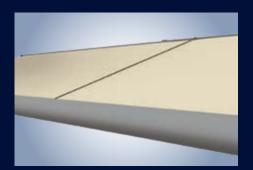
LEDs and Valance Plus – integrated lighting and vertical protection

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

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Opal Design II Benefits



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



weinor LongLife Arm – durable, quiet operation

The weinor 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
Technology		
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 172 mm	265 mm x 172 mm
Coupled systems	0	0
Gear drive	0	-
Motor drive	• as standard	 as standard
Angle of pitch on awning	5° – 40° (with projection from 360 cm 7° to 40°)	5° – 40° (with projection from 360 cm 7° to 40°)
Installation alternatives	Can be installed on walls, ceilings and rafter	S
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
Valance Plus option		
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	0	0
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
Accessories		
Tempura/Tempura Quadra heating system for Opal Design II/LED	\bigcirc bracket with special attachment	\bigcirc bracket with special attachment
BiSens Agido-3V product protection sensor	0	0
Controls		
Radio control	0	0
No remote	•	•
Weather sensors		
Sun/wind sensor BiConnect BiSens SW-230 V	0	0
Sun/wind sensor solar powered BiConnect BiSens SW-Solar+	0	0
Sun/wind/rain sensor BiConnect-BiSens-SWR-230V	0	0
Quality		
Tested up to	wind resistance class 2 according to DIN 135	661 (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

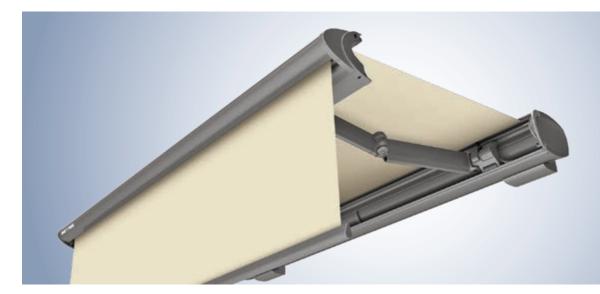


The receiver, power supply pack and other electrical components, such as the BiConnect receiver are integrated into the cassette The transformer box can be easily be opened for servicing purposes. The receiver, which is separate from the drive, is then easily accessible.

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

Projection

Projection

• Extends to any length

Motorised main drive

Width

Width

- Awning can be set to any angle from 10° to 20°
- Valance Plus cannot be retrofitted

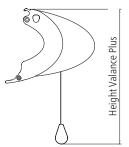




Motorised



Closed



Gear drive

How Valance Plus height is calculated

Available fabrics for the Valance Plus

Maximum awning size for Valance Plus

500 cm

600 cm

	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	Ν	N
150 cm	N	N	Q	Q	N	Q	N	Q	Q	N	N
210 cm	Q	N	Q	Q	N	Q	N	Q	Q	N	-

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

350 cm

300 cm

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

** The following designs are not available for Valance Plus: 6-334, 6-335, 6-390, 6-397, 6-400, 6-403, 6-409, 6-410, 6-415 Update

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

Product	Electronics	BiConnect control	Remote receiver	Transmitter
Opal Design II	Opal Design II drive	BiRec receiver integrated into cassette	BiRec MA-K	 BiEasy 1M/5M/15M Go! hand transmitter App 1MW-3V wall transmitter
Opal Design II LED	Opal Design II 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 App
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	 BiRec combi-receiver for main drive and Valance Plus drive integrated into cassette Table clearing protection Gradual soft stop 	BiRec MVLED	 BiEasy 5M/15M Go! hand transmitter App
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	 BiRec combi-receiver for main drive, Valance Plus drive and LED spotlights (with integrated power supply pack) integrated into cassette Dimmable LED Table clearing protection Gradual soft stop 	BiRec MVLED	 BiEasy 5M/15M Go! hand transmitter App
Accessories (optional)	Tempura/Tempura Quadra heating system	 Dimmable, additional receiver required Installation of the reciever in the design bar provided for this purpose or the Tempura Quadra box 	BiRec HD	 BiEasy 5M/15M Go! hand transmitter App

Requires: awning with BiConnect remote control and sensors require a BiEasy 1M, 5M 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 io-homecontrol[®] radio technology

Product	Electronics	Somfy io-homecontrol control	Remote receiver	Transmitter
Opal Design II Opal Design II 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 transmitter
Opal Design II LED	Opal Design II drive and LED lighting	 Somfy io remote-controlled motor integrated into cassette Additional Somfy receiver for the LED spot- lights (with downstream power supply pack) integrated into cassette LED not dimmable 	Somfy io remote-controlled motor and io Lighting Receiver Variation on/off	Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	 Somfy io remote-controlled motor integrated into cassette and drop profile No retraction protection in windy conditions 	Somfy io remote- controlled motors	 Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	 Somfy io remote-controlled motor integrated into cassette and drop profile Additional Somfy receiver for the LED spot- lights (with downstream power supply pack) integrated into cassette LED not dimmable No retraction protection in windy conditions 	Somfy io remote- controlled motors, io Lighting Receiver Variation on/off	Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Accessories (optional)	Tempura/Tempura Quadra heating system	 Not dimmable, additional receiver required Installation of the reciever in the design bar provided for this purpose or the Tempura Quadra box 	Heating Slim Receiver on/off io 2KW STAS3/STAK3	 Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter Smoove 1 io Pure Shine wall transmitter

Note: For Somfy io in combination with LED, two transformer boxes are used.

Somfy RTS radio technology

Product	Electronics	Somfy RTS control	Remote receiver	Transmitter
Opal Design II	Opal Design II drive • Somfy RTS remote-controlled motor integrated into cassette		Somfy RTS remote-controlled motor	 Situo 1 RTS Pure II/Situo 1 Soliris RTS Pure II/Situo 5 RTS Pure II/Situo 5 Soliris RTS Pure II hand transmitter Smoove 1 RTS Pure Shine wall transmitter
Opal Design II LED	Opal Design II drive and LED lighting	 Somfy RTS remote-controlled motor integrated into cassette Additional Somfy receiver for the LED spot- lights (with downstream power supply pack) integrated into cassette LED not dimmable 	Somfy RTS remote-controlled motor and Lighting Slim Receiver RTS	Situo 5 RTS Pure II/Situo 5 Soliris RTS Pure II hand transmitter
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	 Somfy RTS remote-controlled motor integrated into cassette Additional Somfy receiver for Valance Plus drive integrated into cassette No retraction protection in windy conditions 	Somfy RTS remote-controlled motor and Universal Receiver RTS	Situo 5 RTS Pure II/Situo 5 Soliris RTS Pure II hand transmitter
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	 Additional Somfy receiver for Valance Plus drive and LED spotlights (with downstream power supply pack) integrated into cassette LED not dimmable No retraction protection in windy conditions 	Somfy RTS remote-controlled motor, Universal Receiver RTS and Lighting Slim Receiver RTS	Situo 5 RTS Pure II/Situo 5 Soliris RTS Pure II hand transmitter
Accessories (optional)	Tempura/Tempura Quadra heating system	 Not dimmable, additional receiver required Installation of the reciever in the design bar provided for this purpose or the Tempura Quadra box 	Heating Slim Receiver RTS Plug	Situo 5 RTS Pure II/Situo 5 Soliris RTS Pure II hand transmitter

Note: For Somfy RTS in combination with LED and Valance Plus, two transformer boxes are used.

Opal Design II Controls

Hard wired with Somfy control

Product	Electronics	Hard wired Somfy control	Control
Opal Design II	Opal Design II drive	Somfy control for awning drive	e.g. Soliris Smoove Uno
Opal Design II LED Opal Design II drive and LED lighting • Sories • Swith LED lighting • LEC cas		 Somfy control for awning drive Switch 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)
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	 Somfy control for awning drive Switch on site for the Valance Plus drive No retraction protection in windy conditions 	e.g. Soliris Smoove Uno and suitable double rocker switch (on site)
Opal Design II LED Valance Plus	 No retraction protection in Windy conditions Opal Design II and Somfy control for awning drive Switch on site for the Valance Plus drive No retraction protection in windy conditions Switch on site for the LED spotlights LED power supply pack integrated into the cassette LED not dimmable 		e.g. Soliris Smoove Uno, and suitable double rocker switch and light switch (on site)
Accessories (optional)	Tempura/Tempura Quadra heating system	• Not dimmable	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	Awning switch for the awning drive	e.g. double rocker switch switch (on site)
Opal Design II LED	Opal Design II drive and LED lighting	 Awning switch for the awning drive Switch on site for the LED spotlightss LED power supply pack integrated into the cassette LED not dimmable 	e.g. double rocker switch and suitable light switch (on site)
Opal Design II Valance Plus	Opal Design II and Valance Plus drive	 Awning switch for the awning drive Switch on site for the Valance Plus drive No retraction protection in windy conditions 	e.g. 2 double rocker switches (on site)
Opal Design II LED Valance Plus	Opal Design II and Valance Plus drive and LED lighting	 Awning switch for the awning drive Switch on site for the Valance Plus drive No retraction protection in windy conditions Switch on site for the LED spotlights LED power supply pack integrated into the cassette LED not dimmable 	e.g. 2 double rocker switches and suitable light switch (on site)
Accessories (optional)	Tempura/Tempura Quadra heating system	Not dimmable	Suitable switch (on site)

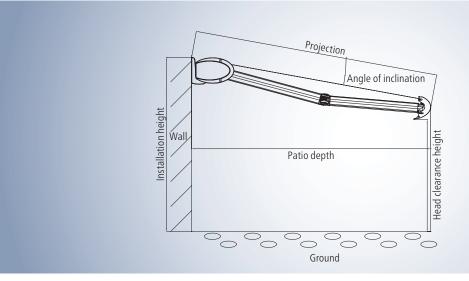
Note:

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.

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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	400		
25°	170	220	280	330	390	400		

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	Projection in cm							
Angle of pitch	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).

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Opal Design II Planning

Wall bracket

Sizes and bracket recommendations

Wall mounting on pressure-resistant surface

Minimum number of required wall brackets so that the function of the awning is ensured, regardless of the mounting surface. Selection of the brackets using the weinor bracket overview and using the maximum extraction forces of the fixings used!

Width	Diagonal in 10 cm steps							
in cm	up to 150	160-200	210-250	260-300	310-350	360-400		
up to 200	2							
201-250	2	2						
251-300	2	2	2					
301-350	2	2	2	2	2	2		
351-400	2	2	2	2	2	2		
401-450	2	2	2	2	2	2		
451-500	2	2	2	2	2	2		
501-550	3	3	3	3	3	3		
551-600	3	3	3	3	3	3		
601-650	3	3	3	3	3	3		

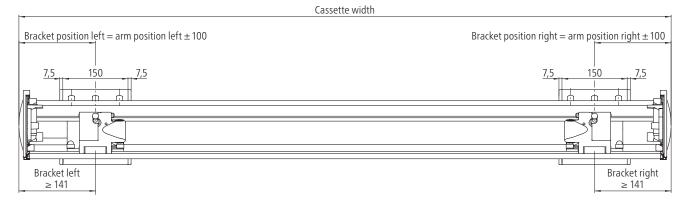


Use of central bracket dependent on: Width \ge 501 cm

Observe size limits; unit must have 50 cm more width than projection!

Position of wall brackets and Opal Design II cassette

Wall bracket 150 mm (left and right)



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Update

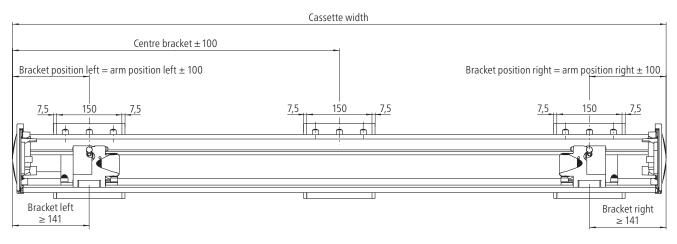
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Opal Design II Planning

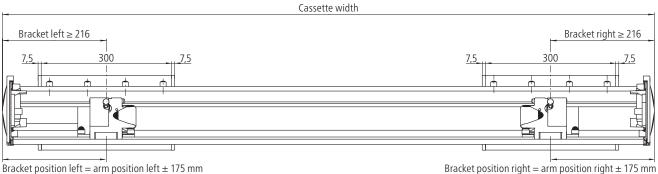


Position of wall brackets and Opal Design II cassette

Wall bracket 150 mm (left, right and centre)



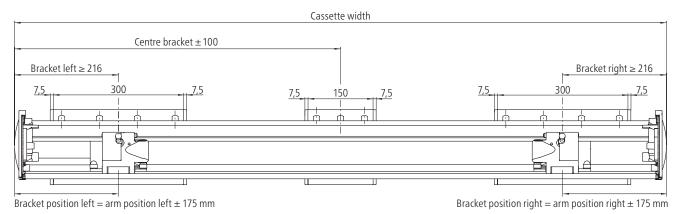
Wall bracket 300 mm (left and right)



Bracket position left = arm position left \pm 175 mm

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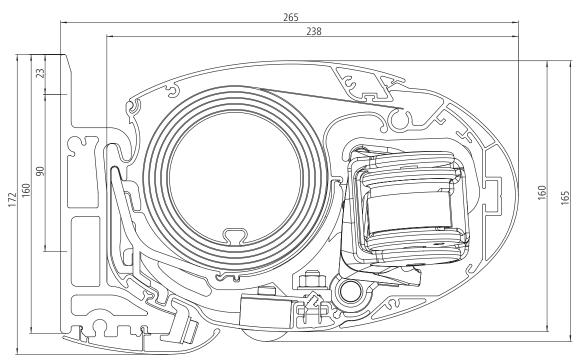
Wall bracket 300 mm (left and right) with wall bracket 150 mm (centre)



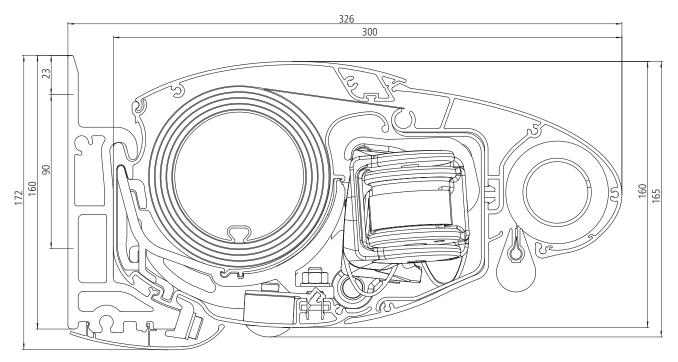
Opal Design II Planning

Cross-sections

Opal Design II LED



Opal Design II LED Valance Plus with motor



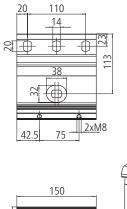
Figures are in mm

Installation on walls, ceilings and rafters is possible

The Opal Design II can be mounted in a wide range of ways: not only on a wall but also on a ceiling or a rafter. The brackets and mounting plates are made of extruded, powder-coated aluminium.

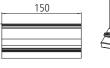
Wall mounting – brackets



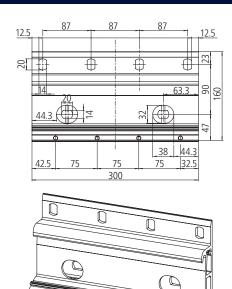


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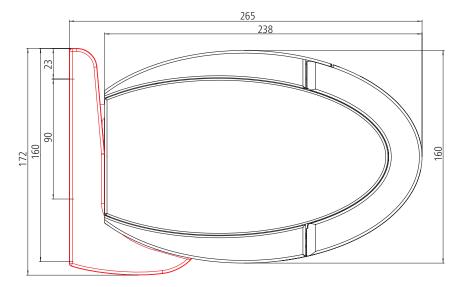
150 mm wall bracket



300 mm wall bracket



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Side view of Opal Design II with wall bracket

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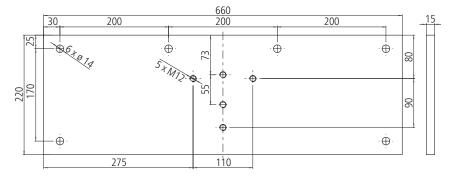
Opal Design II Installation

Wall mounting – mounting plates



Mounting plate 660 x 220 x 15 mm



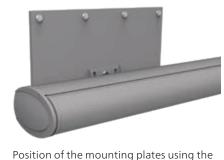


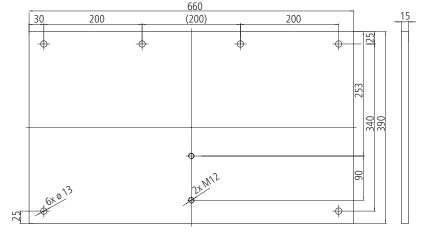
Position of the mounting plates using the Opal Design II 500 x 300 cm* as an example.

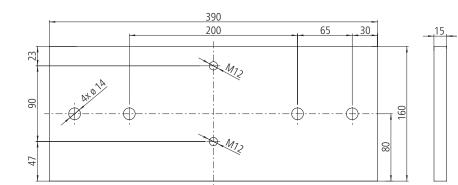
* Depending on the width of the awning, the positioning of the mounting plates may vary.



Mounting plate 660 x 390 x 15 mm







Opal Design II 500 x 300 cm* as an example.



Ceiling front plate 390 x 160 x 15 mm

Note for front ceiling mounting:

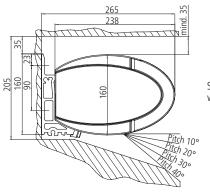
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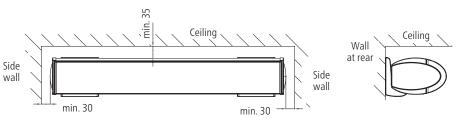
The indicated extraction forces apply to a storey ceiling with a thickness of at least 160 mm. Here, the fixings are installed exactly in the centre of the storey ceiling, so that there is a minimum upward and downward edge distance of 80 mm. For this mounting type, a lining, e.g. with 150 x 50 mm rectangular pipes, is required. Here, the lower edge of the rectangular pipe must be flush with the lower edge of the storey ceiling.

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



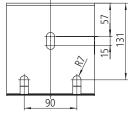


Ceiling mounting

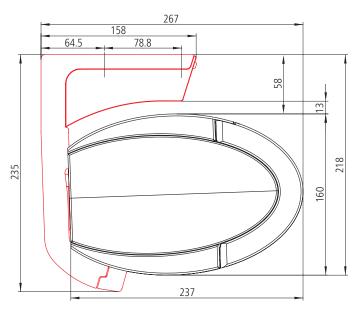




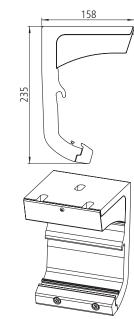




Ceiling bracket

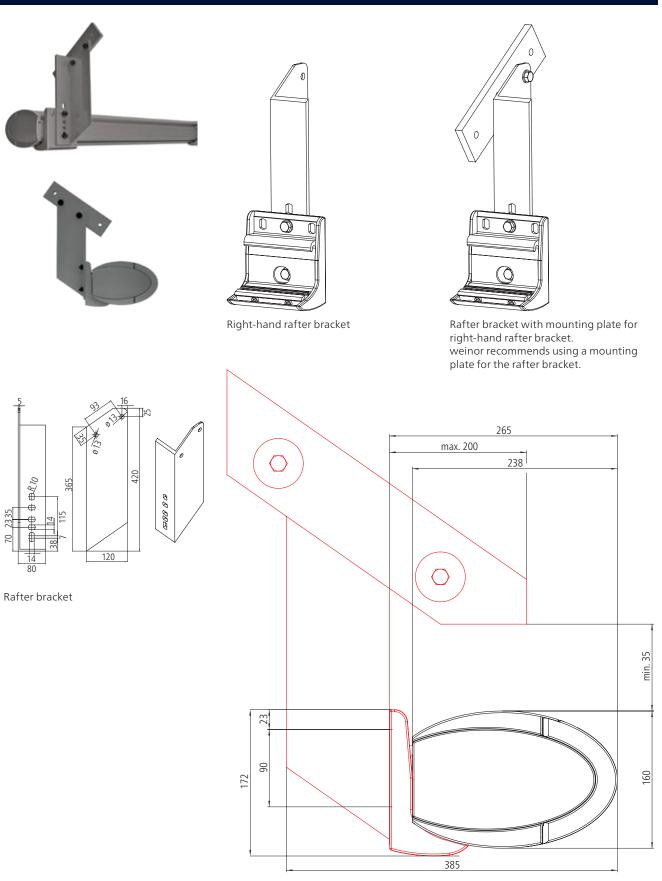


Side view with ceiling bracket



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Rafter mounting



Side view: rafter bracket installation

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Extraction forces

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

Selecting the wall bracket and anchoring system:

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

2. Select a wall bracket / mounting plate for which there is fixing material which can resist the indicated extraction force. Remember to take into account the spacing, the area which will be damaged if the fixing breaks out, the type of fixing material used and the mounting base.

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

Extraction force in N per upper fixing for ceiling mounting

Brackets without mounting plates

Wall mounting with up to 200 mm facing (non-pressure-resistant surface) Please observe the width to projection dimension limits For the extraction forces of the valance plus version, please refer to the console overview!

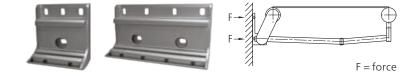
1 x wall bracket 150 mm Number of fixings: 6

1 x wall bracket 300 mm Number of fixings: 12

Please note:

from a width of 501 cm additional 1 x wall bracket 150 mm as centre bracket is required. This means an additional 3 fixings will be required.

Width	Projection in cm								
in cm	150	200	250	300	350	400			
200	678								
200	339								
250	801	1192							
2.50	400	596							
300	923	1375	1930						
500	462	688	965						
350	1046	1558	2184	2955					
550	523	779	1092	1478					
400	1168	1740	2438	3291	4187				
400	584	870	1219	1645	2093				
450	1291	1923	2691	3626	4614	6565			
450	645	962	1346	1813	2307	3282			
500	1413	2106	2945	3962	5684	7181			
500	707	1053	1473	1981	2842	3590			
550	1536	2289	3199	4297	6178	7797			
000	768	1144	1599	2149	3089	3899			
600	1658	2471	3452	5210	6672	8414			
000	829	1236	1726	2605	3336	4207			
650	1781	2654	3706	5595	7166	9030			
000	890	1327	1853	2797	3583	4515			



01933 448 844

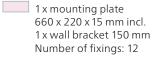
Opal Design II Installation

Extraction forces

Extraction force in N per upper fixing for ceiling mounting Brackets with mounting plates

Wall mounting with up to 200 mm facing (non-pressure-resistant surface) Please observe the width to projection dimension limits For the extraction forces of the valance plus version, please refer to the console overview!





1 x mounting plate 660 x 390 x 15 mm incl. 1 x wall bracket 150 mm Number of fixings: 12

1 x roof front plate 390 x 160 x 15 mm incl. 1 x wall bracket 150 mm Number of fixings: 8

Please note: from a width of 501 cm additional 1 x wall bracket 150 mm incl. 1 x shim plate 15 mm as centre bracket is required. This means an additional 3 fixings will be required.

When mounting with roof front plate: 1 x roof front plate 390 x 160 x 15 mm incl. 1 x wall bracket 150 mm

as centre bracket is required.

This means an additional 4 fixings will be required.

Width in cm	Projection in cm								
	150	200	250	300	350	400			
200	182								
	91								
	386								
250	215	319							
	107	159							
	456	678							
300	247	368	515						
	124	184	258						
	526	781	1095						
350	280	417	583	788					
	140	208	292	394					
	596	885	1239	1675					
	313	465	651	878	1116				
400	157	233	325	439	558				
	665	989	1383	1865	2370				
	346	514	718	967	1229	1748			
450	173	257	359	484	615	874			
	735	1093	1527	2055	2613	3715			
	379	563	786	1056	1515	1912			
500	189	282	393	528	757	956			
	805	1196	1671	2245	3219	4063			
	411	612	854	1146	1646	2076			
550	206	306	427	573	823	1038			
	874	1300	1815	2435	3498	4412			
	444	661	922	1390	1778	2240			
600	222	330	461	695	889	1120			
	944	1404	1958	2953	3778	4761			
650	477	709	989	1492	1909	2405			
	239	355	495	746	955	1202			
	1014	1508	2102	3171	4058	5110			



Mounting plate using the example 660 x 220 x 15 mm

Update



Extraction forces / Shear forces

Extraction force in N per front fixing for

ceiling mounting

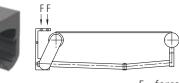
Please observe the width to projection dimension limits

For the extraction forces of the valance plus version, please refer to the console overview!

1 x ceiling bracket 150 mm Number of fixings: 6

Please note: from a width of 501 cm additional 1 x ceiling bracket 150 mm as centre bracket is required. This means an additional 3 fixings will be required.

Width in cm	Projection i	Projection in cm								
	150	200	250	300	350	400				
200	546									
250	640	925								
300	733	1062	1467							
350	827	1199	1656	2221						
400	921	1336	1845	2469	3125					
450	1014	1473	2033	2717	3441	4858				
500	1108	1611	2222	2965	4213	5311				
550	1159	1704	2365	3166	4527	5712				
600	1249	1838	2551	3819	4886	6161				
650	1340	1972	2736	4099	5246	6610				



```
F = force
```

Shear forces in N per fixing for rafter mounting

Please observe the width to projection dimension limits

For the extraction forces of the valance plus version, please refer to the console overview!

1 x rafter bracket incl.
 1 x wall bracket 150 mm,

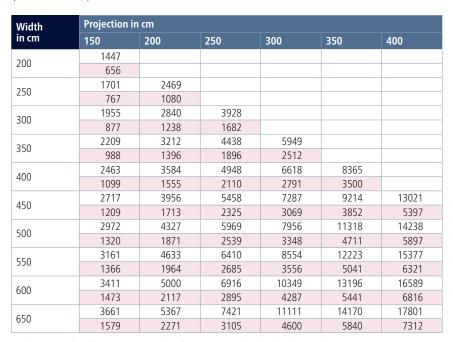
1 x rafter bracket with 1 x mounting plate for rafter incl. 1 x wall bracket 150 mm, one left, one right for each

one left, one right for each

Please note:

from a width of 501 cm additional 1 x rafter bracket incl. 1 x wall bracket 150 mm, one left, one right for each,

as centre bracket is required.





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

