
Excerpt from the technical product catalogue

02

**Pergola awning**

# Plaza Viva

## **Plaza Viva**Stretch/LED | OptiStretch/LED

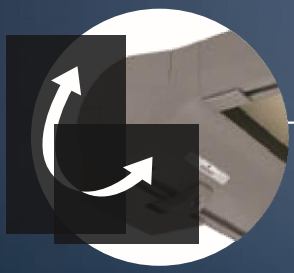
**Plaza Viva**stands for reliable sun and rain protection on the patio. It is incredibly wind-resistant, offers rain protection during light summer showers and integrates subtly into the overall look of the house. Not forgetting its practical use on facades that don't have enough load-bearing capacity to mount a folding arm awning. Technical innovations such as the optional lowerable telescopic post, the OptiStretch version, integrated LED lighting and gear handle operated Valance Plus leave almost nothing to be desired.

Distributed by

WAVERLEY EXTERIORS

**3-part rain protection system**

**Compensation joint:**
Reduces the load on the entire construction when lowering the post



**Wall bracket with floating bearings:**
Also reduces the load on the awning when lowering the post

**Telescopic post:**
Can be lowered using the gear handle to drain rain off reliably

**No visible fixings:**
Elegant and slimline design

**Plaza Viva Stretch:**
Held captive on 2 sides,
with light gap,
with corner reinforcement

**Plaza Viva OptiStretch:**
Held captive on 4 sides,
no light gap,
with strip reinforcement

# **Plaza Viva** Highlights



**New flat rope:**
Quiet and extremely tear-resistant

**Service opening:**
Easier access to the drive and control components with BiConnect

**Integrated LED lighting:**
Moody patio lighting

# Plaza Viva Benefits

## Large surface protection from the sun – thanks to sturdy aluminium posts

The Plaza Viva stands on solid posts. Making it suitable sun protection for large terraces and offering reliable protection against surging winds.

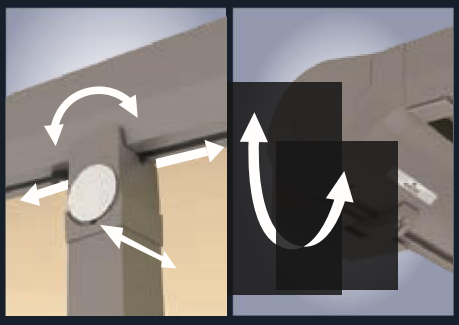
- For larger dimensions up to 30 m²
- Can also be installed on difficult and insulated facades due to reduced load acting on the fixings in the wall brackets
- Wind-resistant up to wind force 6 on the Beaufort scale
- Elegant design, almost no visible screws

## Telescopic post for rain to drain off reliably (optional)

The optional telescopic post can be really easily fully lowered on one side using the gear handle thus ensuring that rain drains off easily with a pitch awning of 4° or more.

- Just one telescopic post possible per construction
- Reliable rain protection
- No pooling

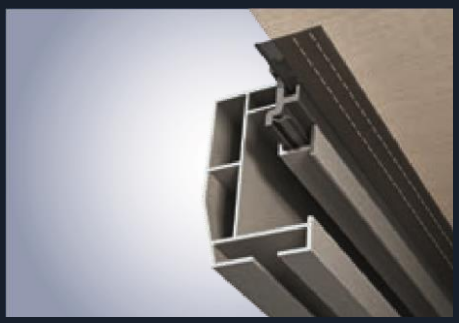
Please observe the important details in the Plaza Viva telescopic post section.



## Compensation joint and floating bearing

The combination of a compensation joint and wall bracket with floating bearings reduces the load on the entire construction when the awning is lowered using the gear handle.

- Rain drains off reliably (no danger of pooling)



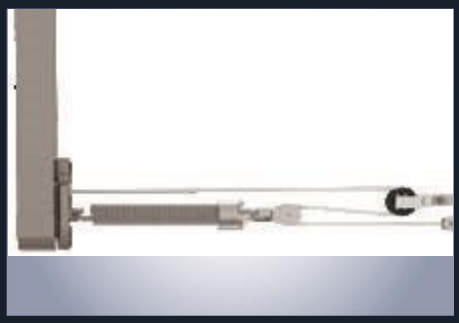
## Clever Stretch and OptiStretch versions

**Plaza Viva Stretch:**the well positioned and even fabric creates a cosy atmosphere.

- **Stretch:** held captive on 2 sides, cost effective solution, easy to install

**Plaza Viva OptiStretch:**completely closed all round, ensures a well tensioned fabric without any hanging fabric edges on the side. In very large constructions, it reduces the central sagging of the fabric during extension and retraction.

- **OptiStretch:**held captive on 4 sides, no light gap



## Reliable tension system – with new quiet flat rope

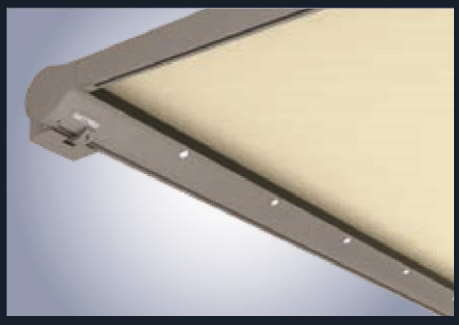
The tried and tested clamping system is used with the Plaza Viva with a new flat and at the same time tear-resistant rope.
The rope winds up extremely quietly over itself instead of side by side. This prevents the rope from bouncing.

- Long-lasting equalised fabric tautness with pulley block technology
- The flat rope is quiet and tear-resistant, it prevents the rope from twisting and bouncing and does not fray on the sides

## Service opening – convenient access

The opening in the cassette offers easy access to the motor input with BiConnect.

- Easier access to components
- The programming of the drive's end positions is made easier by the service opening
- Decoupling of the wind sensors during maintenance



## HighPower LED spotlights – for an amazingly beautiful atmosphere

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

- 30,000 hours of LED lighting with minimal energy consumption
- Dimmable when used with BiConnect or Somfy io-homecontrol® radio control

## Valance Plus – vertical privacy and sun protection

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

- Can only be operated by gear handle up to 2100 mm
- Patented OptiFlow-System® to keep fabric ideally positioned and to close the bottom rail safely
- Valance Plus may only be extended and retracted when using a telescopic post if the telescopic post is cranked right up to the top

# Plaza Viva

## Technology

| Plaza Viva versions | Plaza Viva LED | Plaza Viva retch | Plaza Viva LED | Plaza Viva OptiStretch | OptiStretch Stretch |
|---|---|---|---|---|---|
| **Technology** | | | | | |
| Max. width (max. total width for multi-section units: 12 meters, max. 50 m² fabric area) | 6,000 mm | | 6,000 mm | 6,000 mm | 6,000 mm |
| Max. projection | 5,000 mm | | 5,000 mm | 5,000 mm | 5,000 mm |
| Max. fabric area | 30 m² | | 30 m² | 30 m² | 30 m² |
| Cassette size (w x h) | 323 x 166 mm | | 323 x 166 mm | 323 x 166 mm | 323 x 166 mm |
| Motor drive | ● as standard | | ● as standard | ● as standard | ● as standard |
| Gear drive | — | | — | — | — |
| Angle of pitch on awning | 4° – 25° | | 4° – 25° | 4° – 25° | 4° – 25° |
| Installation alternatives | see installation section | | | see installation section | |
| LED lighting (separate spotlights) | — | | — | ● integrated into the cassette | ● integrated into the cassette |
| Standard post length | 2,600 mm | | 2,600 mm | 2,600 mm | 2,600 mm |
| **Valance Plus option (can be retrofitted)** | | | | | |
| Max. width | 6,000 mm | | 6,000 mm | 6,000 mm | 6,000 mm |
| Max. projection | 5,000 mm | | 5,000 mm | 5,000 mm | 5,000 mm |
| Motor drive | — | | — | — | — |
| Gear drive | ● | | ● | ● | ● |
| Plaza Viva angle of pitch | max. 20° | | max. 20° | max. 20° | max. 20° |
| Valance Plus projection (h) | 1,000, 1,500, 2,100 mm | | 1,000, 1,500, 2,100 mm | 1,000, 1,500, 2,100 mm | 1,000, 1,500, 2,100 mm |
| **Accessories** | | | | | |
| Tempura/Tempura Quadra heating system | ○ | | ○ | ○ | ○ |
| Fixing materials | see installation section | | | see installation section | |
| **Controls** | | | | | |
| Radio control | ○ | | ○ | ○ | ○ |
| No remote | ● | | ● | ● | ● |
| **Weather sensors** | | | | | |
| Sun/wind sensor BiConnect BiSens SW-230 V | ○ | | ○ | ○ | ○ |
| Sun/wind sensor solar powered BiConnect BiSens SW-Solar+ | ○ | | ○ | ○ | ○ |

| | | | | |
|---|---|---|---|---|
| Sun/wind/rain sensor BiConnect-BiSens-SWR-230V | ○ | ○ | ○ | ○ |
| **Quality** | | | | |
| Tested up to | The Plaza Viva has been tested in the maximum dimensions up to wind force 6 on the Beaufort scale (in accordance with wind resistance class 3) and withstands this load | | | |
| Rain class 2 is met | With Plaza Viva with fixed posts from a pitch of 14°<br>With Plaza Viva with telescopic posts from a pitch of 4° (Valance Plus option 5°) with fully lowered post | | | |

**Important note:** The product should never be unattended when used as rain protection.

● standard ○ optional — unavailable



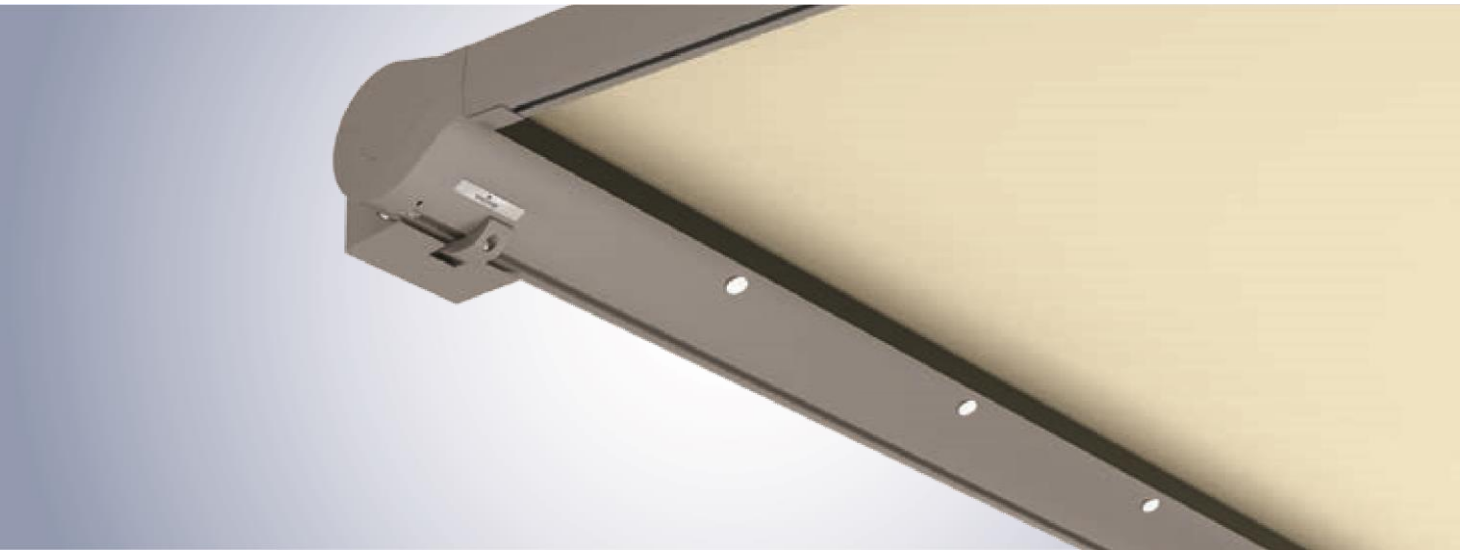
# **Plaza Viva** LED

## with extremely low energy consumption

The select high-power LED components are patented and represent the very best in weinor quality:

- Integrated into the cassette

# Plaza Viva



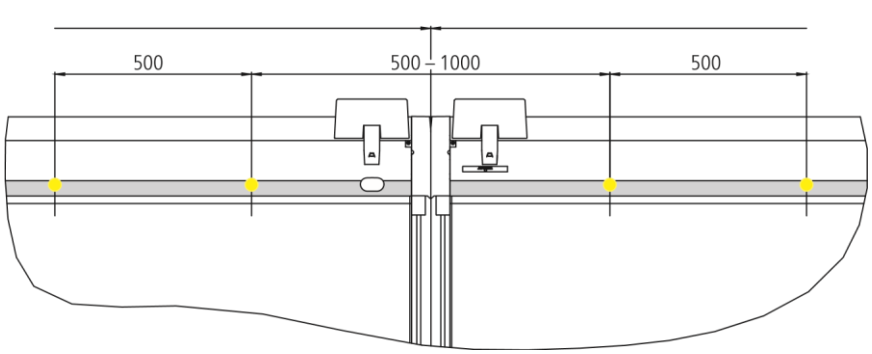
## LED lighting – 30,000 hours of lighting

- Atmospheric light thanks to special glass lenses
- Lighting remains on even when awning is retracted
- Highly energy-efficient
- Operating life of 30,000 hours
- Dimmable when used with BiConnect or Somfy io-homecontrol® 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 |
|---|---|---|---|
| – 299 | 5 – 6 | 450 – 499 | 9 – 10 |
| 300 – 349 | 6 – 7 | 500 – 549 | 10 – 11 |
| 350 – 399 | 7 – 8 | 550 – 600 | 11 |
| 400 – 449 | 8 – 9 | | |

## Joined systems – distance between LED spots in transition area




The distance between the LED spotlights in a multi-section unit's transition area can be 500 mm to 1000 mm.

# Telescopic post 50/70

## Telescopic post 50/70 (optional)

The optional telescopic post 50/70 can be really easily lowered on one side using the gear handle providing an awning pitch of 4° (Valance Plus option 5°) and fully cranked down post so that rain drains off reliably.

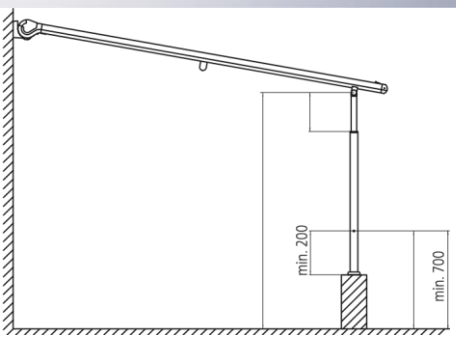
Please note: The system is designed for a maximum rainfall class of 2 (56 l/h/m2).

**Important information**

- The telescopic post 50/70 should ideally always be moved into the

highest or lowest position as it can only be locked in place there. If it is moved to a position in between it may lower of its own accord because there is no locking in place.
- The construction may only be extended and retracted if the telescopic post 50/70 is right up the top
- The mounting of telescopic posts 50/70 on both sides is not possible as this would cancel out the benefit.
  It would then only be guaranteed that rain would drain off reliably from a pitch of 14° again.
- 2 telescopic posts 50/70 are also unsuitable for protection against the low-lying sun as lowering between 150 to 350 mm does not offer sufficient protection. The Valance Plus is ideal for this.

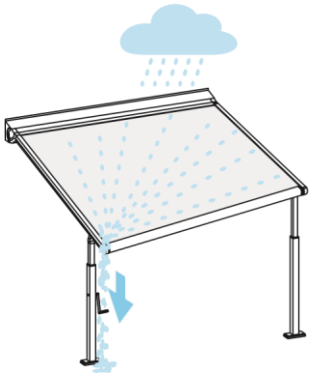
**Gear handle position**

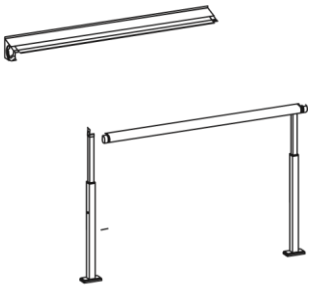


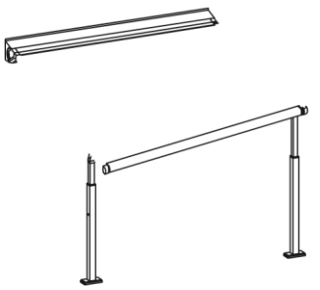

Standard gear handle height 900 mm.
Different gear handle position on request.

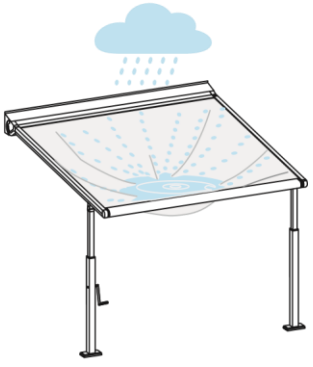
**Note:**

Residual water on the inside, e.g. after a rain shower, can come out of the profiles during extension, even with a time delay.









Controlled draining with lowered post. If the post is not lowered, the water may collect on the Plaza Viva leading to pooling. Plaza Viva must be retracted. Risk of damage!

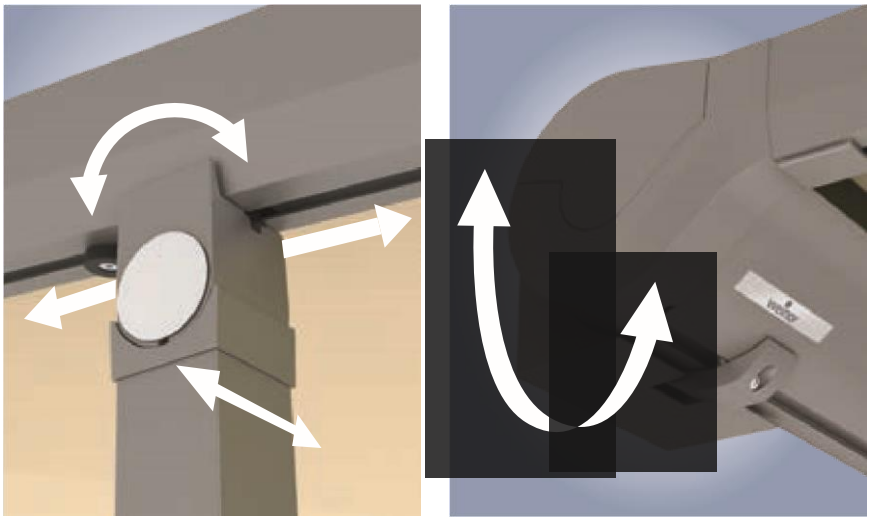
When exceeding rain class 2 (56 l/h/m2),

# Plaza Viva

**Plaza Viva** Telescopic post 50/70 and options



## Compensation joint and floating bearing



When lowering the top part of the post using the gear handle, it reduces the load on the construction and it remains inherently stable. The wall bracket with floating bearing and compensation joint on the upper part of the post ensure that the entire awning adapts perfectly to the pitch.

## Paravento (optional)

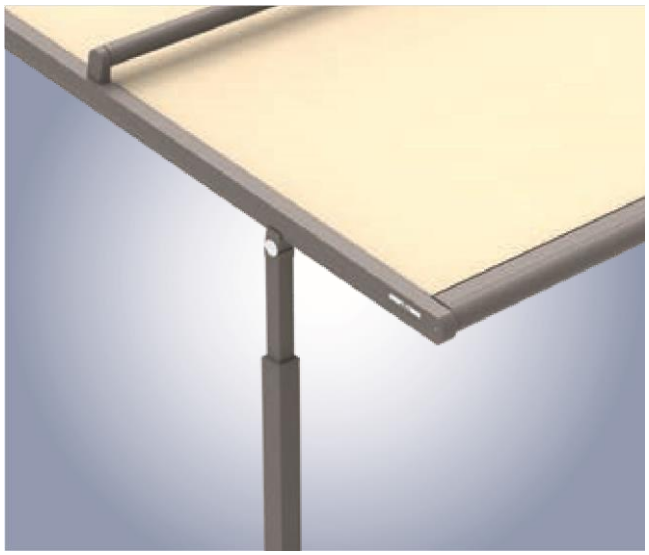
The Paravento side screen is the perfect complement to the Plaza Viva pergola awning.

- Protects against cool side winds
- Shelters from prying eyes
- Heights of up to 250 cm and projections of up to 400 cm
- Easy to retrofit by attaching it to the Plaza Viva posts, a separate pole or a wall

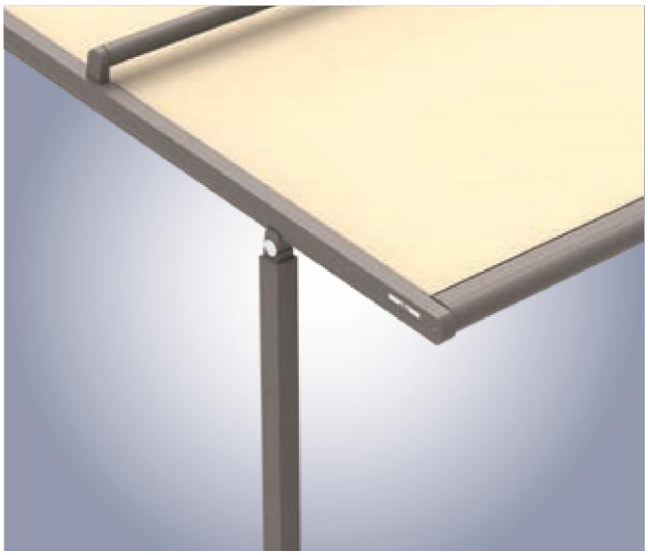
## Wall sealing profile (optional)

The wall sealing profile conceals the gap between the wall and the cassette. This is a useful option if there is no on-site protection above the cassette, e.g. a roof overhang.

# Fixed posts variants



Fixed post 50/70, with offset



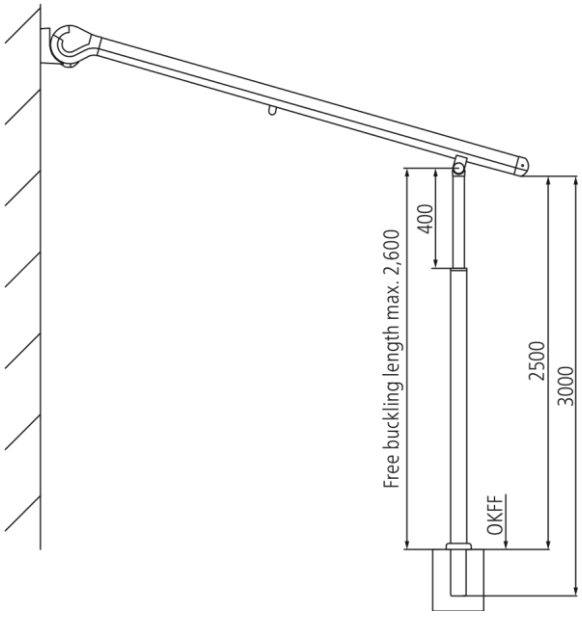
Fixed post 70, continuous

## Fixed posts

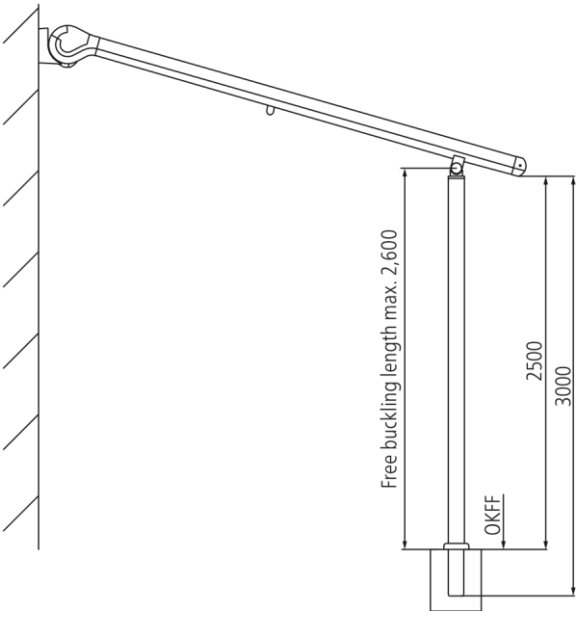
The following applies to both variants: The fixed post's standard length is 2,600 mm.
On request the fixed post's bottom sections can be supplied extra-long (e.g. for setting in concrete)
The post's recess measurement is min. 150 mm, max. 25% of the projection, max. 1,000 mm

**Fixed post 50/70, with offset**

The inside post (50 x 50 mm) is always approx. 400 mm long.




**Fixed post 70, continuous**



# Plaza Viva



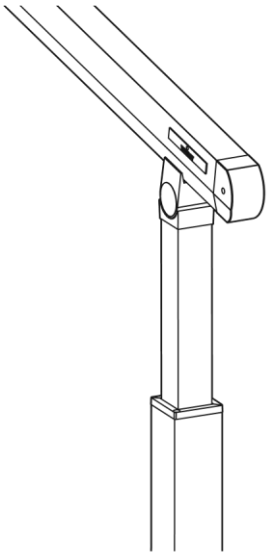
Compensation joint

Compensation joint for multi-section units

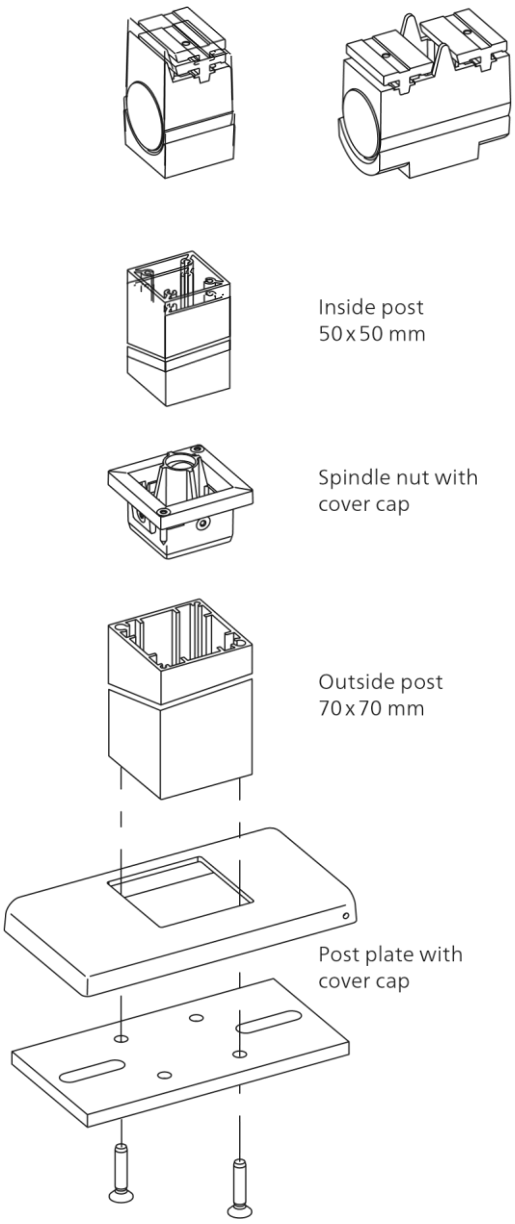
Compensation joint

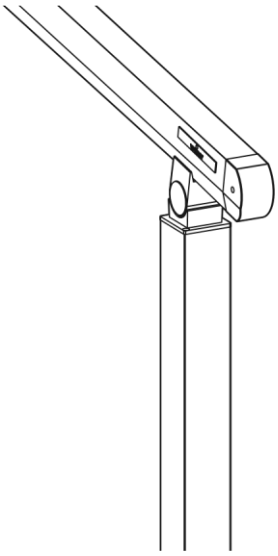
Compensation joint for multi-section units

# **Plaza Viva** Fixed posts variants

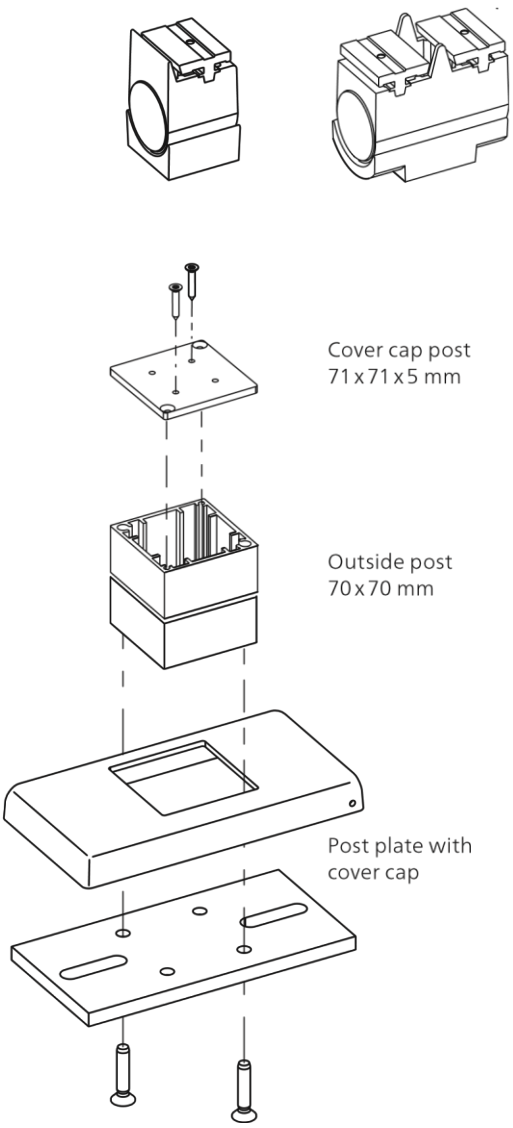


Fixed post 50/70, with offset



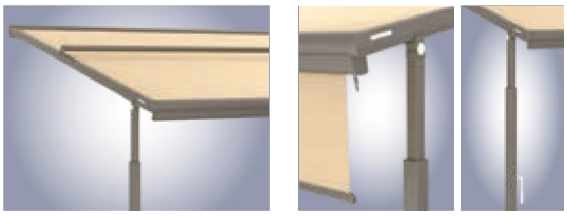
Fixed post 70, continuous



# Plaza Viva

## Valance Plus – more privacy thanks to vertical privacy and sun screen (optional)

The gear handle operated vertical sun protection is integrated elegantly into the Plaza Viva/LED front profile.



# Valance Plus

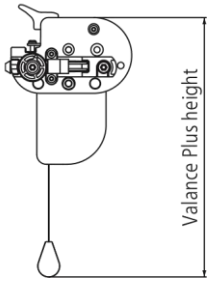
- Glare protection and privacy shield up to a maximum valance height of 210 cm
- Only possible with gear drive, only extend and retract the V alance Plus with the telescopic post cranked up • Valance Plus use up to a Plaza Viva pitch of 4° to 20°.
- Valance Plus can be retrofitted
- With Valance Plus, the fabric support roller is always mounted above the side channel, this can also be retrofitted.

The Valance Plus should be extended and retracted slowly to guarantee that the fabric winds up neatly. **Available fabrics for the Valance Plus**

with retracted Valance Plus

with gear drive

with slightly extended Valance Plus




**V-shaped waves**

On wider units and units wich are mounted with special facades technology (distance tube, spreader plates, into insulated walls) symmetric v-shaped waves can occur from the sides. Reason for this, are the weight and structure on the fabric and the bending of the roller tube, which are transferring additional load onto the main brackets and the special fixings.

| | Soltis® 86, 92 | Soltis® 86, 92 | Acryl | | Polyester | | StarScreen | Fibreglass screen |
|---|---|---|---|---|---|---|---|---|
| Pattern | unicolour | unicolour | stripes | unicolour | stripes | unicolour | unicolour | |
| Roll width | | | | | | | | |
| Valance length | 177 cm | 267 cm | 120 cm | 120 cm | 120 cm | 120 cm | 325 cm | max. 320 cm* |


**Installation location for receiver, power supply pack and further**

1 The cover can be opened for servicing

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 100 cm | N | N | L | N | L | N | N | N |
| 150 cm | N | N | Q | Q | Q | Q | N | N |
| 210 cm | Q | N | Q** | Q** | Q | Q | N | – |

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

Q T ransverse seam: fabric with horizontal seam (glued); 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

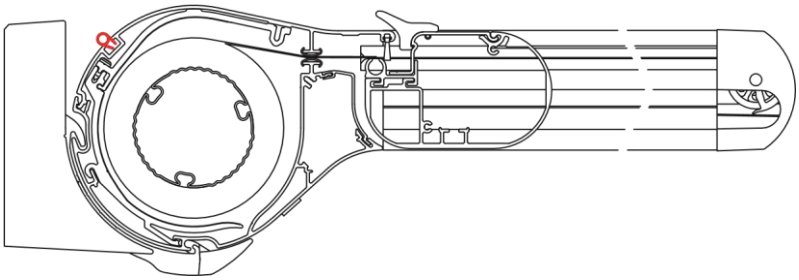
** Max. 200 cm valance length

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

# Plaza Viva Controls

**electrical components**

The receiver is accommodated in the cassette. The faceplate (not shown here) can be really easily opened for servicing purposes. The receiver is then easily accessible.



## weinor BiConnect radio technology

purposes, e.g. to disconnect the drive from the control components (only BiConnect).

Cables can be inserted into the channel on the back of the cassette using the V2 cable fixing elements.

| Product | Electronics | BiConnect control | Remote receiver | Transmitter |
|---|---|---|---|---|
| Plaza Viva | Plaza Viva drive | • BiRec receiver integrated into cassette | BiRec MA-K | • BiEasy 1M/5M/15M Go! hand transmitter<br>• 1MW-3V wall transmitter |

# Plaza Viva

| | | | | |
|---|---|---|---|---|
| Plaza Viva LED | Plaza Viva 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 system | • Dimmable, additional receiver required<br>• 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 |

Note: Plaza Viva Valance Plus is only available with gear drive

We do not recommend any sensors when using telescopic posts and/or the Valance Plus. Nevertheless, if sensors are used, the Valance Plus or telescopic posts may only be used if the sensors are switched to manual operation.

## Somfy io-homecontrol® radio technology

| Product | Electronics | Somfy io-homecontrol control | Remote receiver | Transmitter |
|---|---|---|---|---|
| Plaza Viva | Plaza Viva 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<br>• Smoove 1 io Pure Shine wall transmitter |
| Plaza Viva LED | Plaza Viva drive and LED lighting | • Somfy io remote-controlled motor integrated into cassette<br>• Additional Somfy receiver for the LED spotlights (with downstream power supply pack) integrated into cassette<br>• LED dimmable | 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 system | • Dimmable, additional receiver required<br>• Installation of the reciever 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<br>• Smoove 1 io Pure Shine wall transmitter |

## Somfy RTS radio technology

| Product | Electronics | Somfy RTS control | Remote receiver | Transmitter |
|---|---|---|---|---|
| Plaza Viva | Plaza Viva 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<br>• Smoove 1 RTS Pure Shine wall transmitter |
| Plaza Viva LED | Plaza Viva drive and LED lighting | • Somfy RTS remote-controlled motor integrated into cassette<br>• Additional Somfy receiver for the LED spotlights (with downstream power supply pack) integrated into cassette<br>• 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 |

**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.

## Controls

| Product | Electronics | Hard wired Somfy control | Control |
|---|---|---|---|
| Plaza Viva | Plaza Viva drive | • Somfy control for awning drive | e.g. Soliris Smoove Uno |
| Plaza Viva LED | Plaza Viva drive and LED lighting | • Somfy control for awning drive<br>• Switch on site for the LED spotlights<br>• 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 system | • Not dimmable | Suitable switch (on site) |

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

| Product | Electronics | Hard wired control | Control |
|---|---|---|---|
| Plaza Viva | Plaza Viva drive | • Awning switch for the awning drive | e.g. double rocker switch switch (on site) |
| Plaza Viva LED | Plaza Viva 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) |
| Accessories (optional) | Tempura/Tempura Quadra heating system | • Not dimmable | Suitable switch (on site) |



**Power supply pack for option LED (hard wired)**

The power supply pack provides the voltage and current intensity required to operate the LED.
It is only necessary for the LED option.

| Product | Position of the power supply pack |
|---|---|
| Plaza Viva LED<br>Plaza Viva LED OptiStretch | • In the cassette |
| Plaza Viva<br>Plaza Viva OptiStretch | • No power supply pack necessary |

**Installation location for power supply pack for option LED**

The power supply pack is located in the cassette and is easily accessible. The installation location is not required for drives without LED options and remains empty.

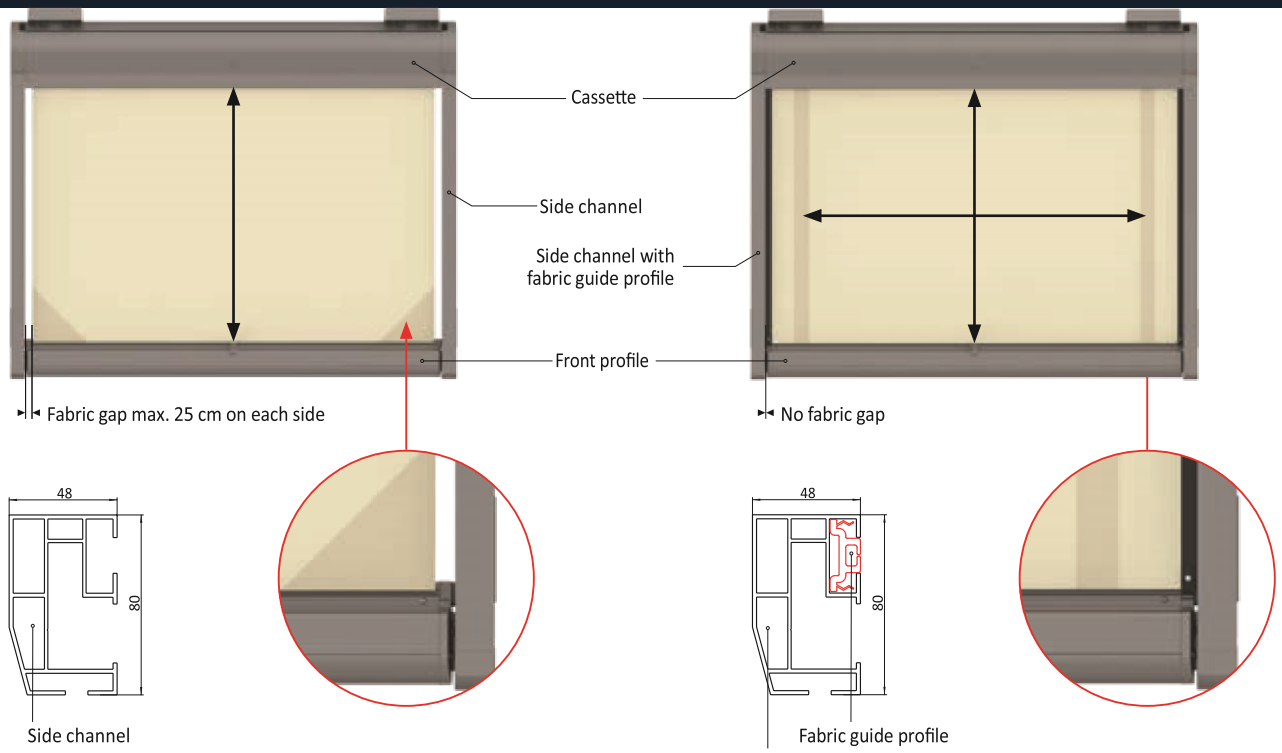
# **Plaza Viva** Stretch/OptiStretch

## The Stretch and OptiStretch system in comparison

The Plaza Viva Stretch and OptiStretch consist of identical frame constructions and use the same tried and tested weinor clamping system with a new flat rope that winds up extremely quietly. The fabric guide is the d ifference between the two systems.
In the Stretch System, the fabric is tensioned between the fabric roller bearing and the f ront profile in the ascending direction, while in the OptiStretch, the fabric is additionally guided sideways in the guide rail.
The OptiStretch thus achieves a significantly higher degree of fabric tensioning.
The fabric slack depends on the width and drop of the Plaza Viva and can be up to 15 cm.

**The Stretch system**

**The OptiStretch system**



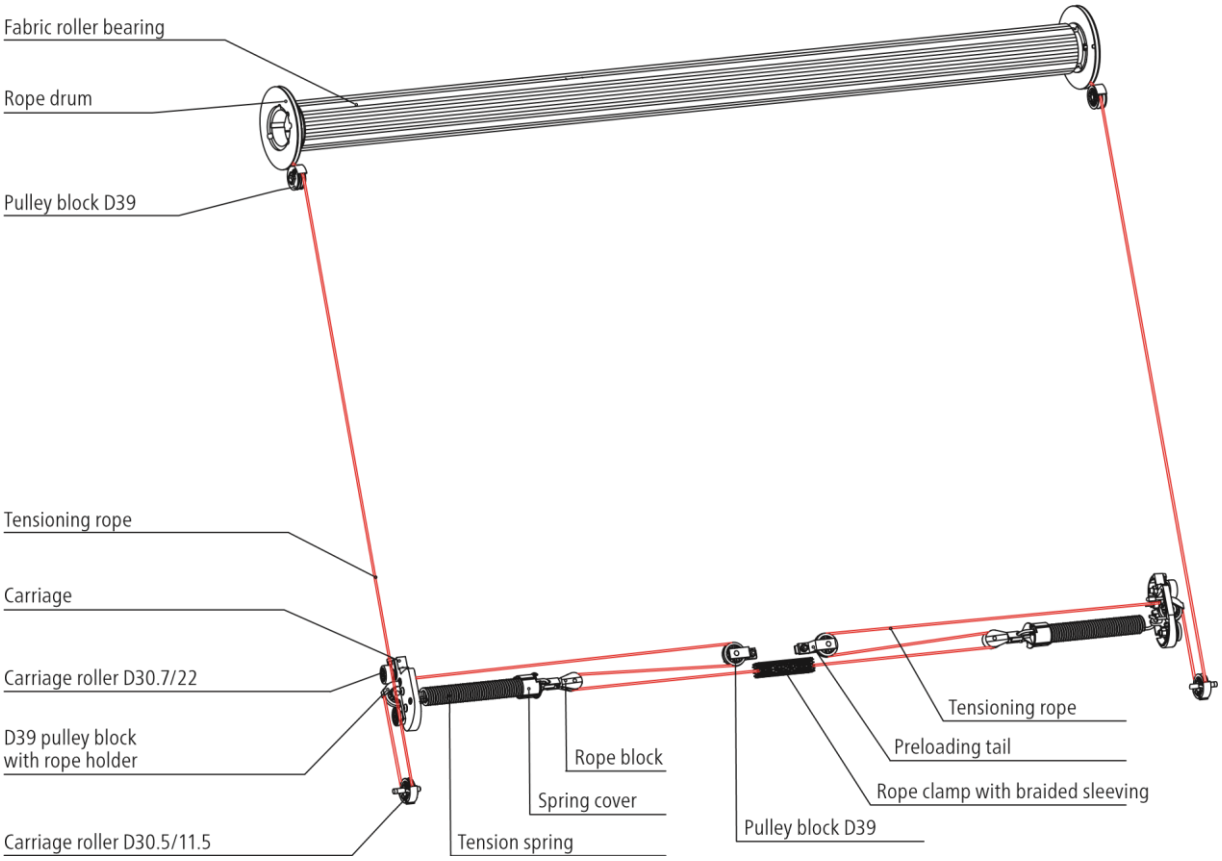

- Held captive on 2 sides
- With corner reinforcement
- Cost-effective solution
- Easy installation
- Fabric gap up to 25 mm
- Good fabric tension also for Soltis® fabrics

Side channel

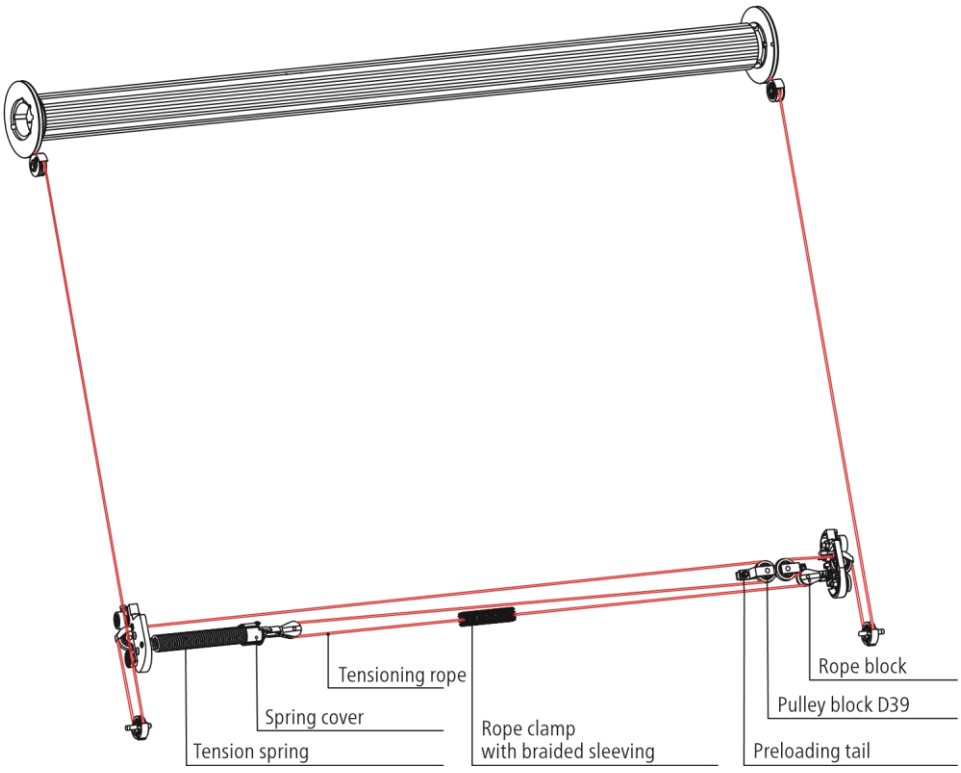
- Held captive on 4 sides
- With strip reinforcement
- No edges hanging down the sides
- No light gap
- Soltis® fabrics are not available for the OptiStretch version

## Stretch/OptiStretch

**Tension system with 2 tensioned springs (number of springs depends on the projection and width)**



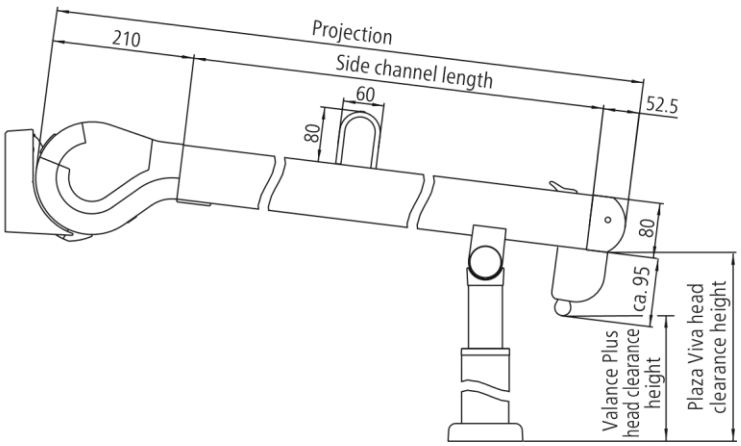

**Tension system with 1 tensioned spring (depends on projection and length of spring)**



# **Plaza Viva** Planning

With the Valance Plus option the fabric support roller (from a projection >°4000 mm) is fitted at the top as standard, can also be retrofitted.

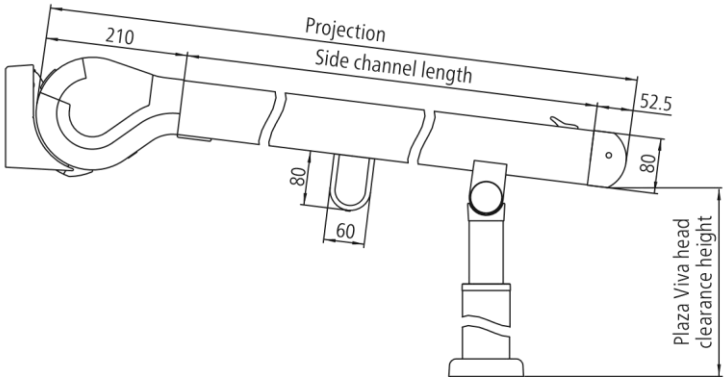
**Plaza Viva with Valance Plus head clearance height**




The Plaza Viva with Valance Plus head clearance height depends on the angle of pitch and is a maximum of approx. 95 cm less than the calculated Plaza Viva head clearance height.

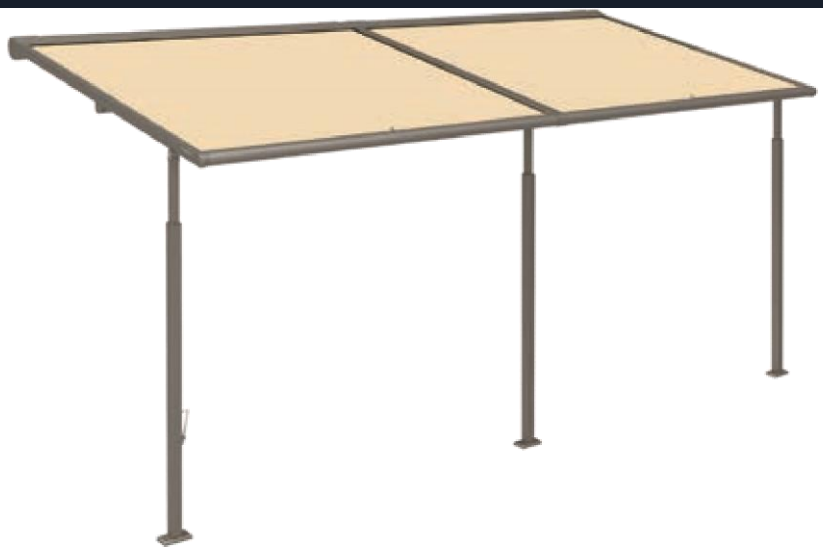
A fabric support roller is used at the bottom as standard with a projection > 4000 mm.
With locations exposed to winds we recommend using additional fabric roller supports (option).
The fabric support rollers can be retrofitted at any time without too much effort.

**Plaza Viva head clearance height**



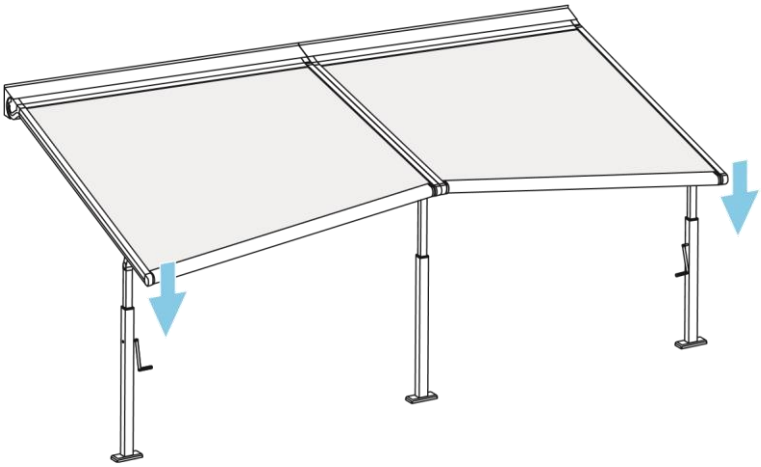
## Use of fabric support roller at top (with Valance Plus option) Multi-section units

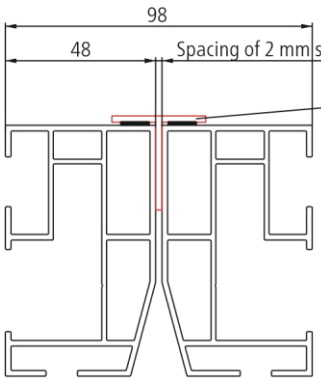




**Fabric area Plaza Viva multi-section units**

The maximum size of a Plaza Viva is 6,000 x 5,000 mm. Wider systems can be extended easily to become a multi-section unit by placing single- unit systems next to each other, the total width for multi-section units is 12 meters, max. 50 m2 fabric area (see table below).
The single-unit systems installed next to each other have a separate motor drive and can thus be retracted and extended separately. The telescopic post can only be used on the right and left but not in the centre.






Sealing multi-section units

The connection of multi-section units (surge point between the guide rails), is done with an aluminium T-profile, which is powder coated to match in the colour of the unit. It is simply placed on the side channels from above and screwed on, corresponding adhesive tape for sealing is already attached. Then, only the round con-

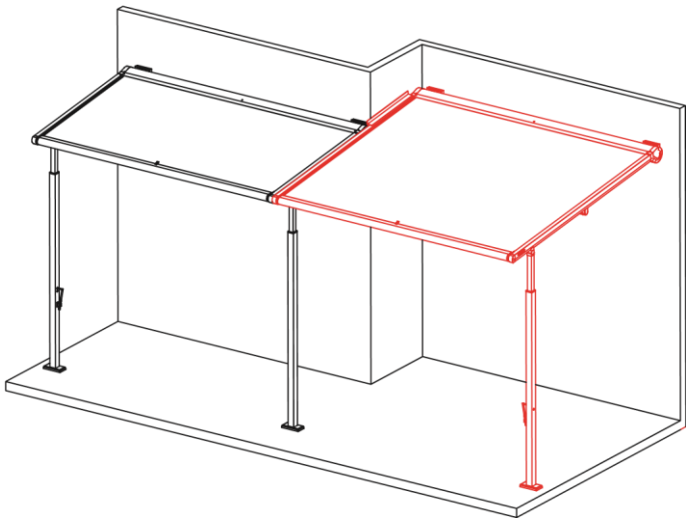
# **Plaza Viva** Planning

| Projection in cm | Width in cm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 650 | 700 | 750 | 800 | 850 | 900 | 1,000 | 1,050 | 1,100 | 1,150 | 1,200 |
| 200 | | | | | | | | | | | |
| 250 | | | | | | | | | | | |
| 300 | | | | | | | | | | | |
| 350 | | | | | | | | | | | |
| 400 | | | | | | | | | | 46 m² | 48 m² |
| 450 | | | | | | | | 47.25 m² | 49.5 m² | | |
| 500 | | | | | | | 50 m² | | | | |

producible

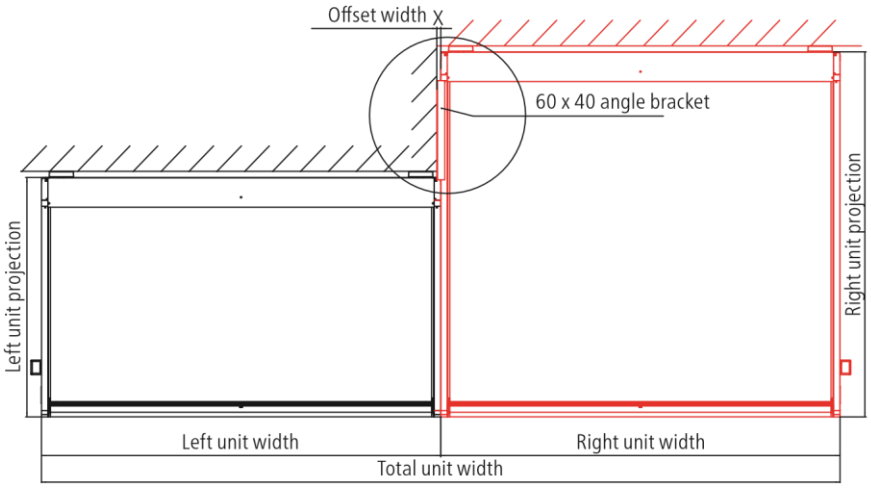
Multi-section unit with telescopic post on right and left

tour on the cassette will need to be sealed with a permanently elastic jointing compound.

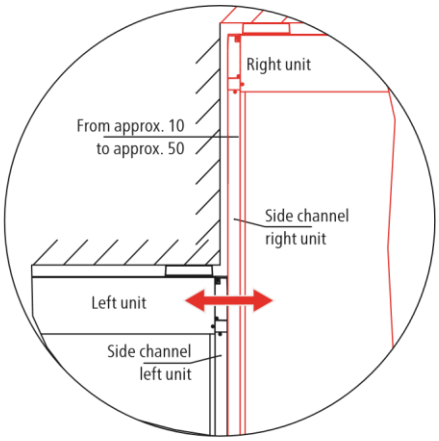


On request, various offset versions can be produced (e.g. wall offset).

Multi-section unit with offset (profile view)

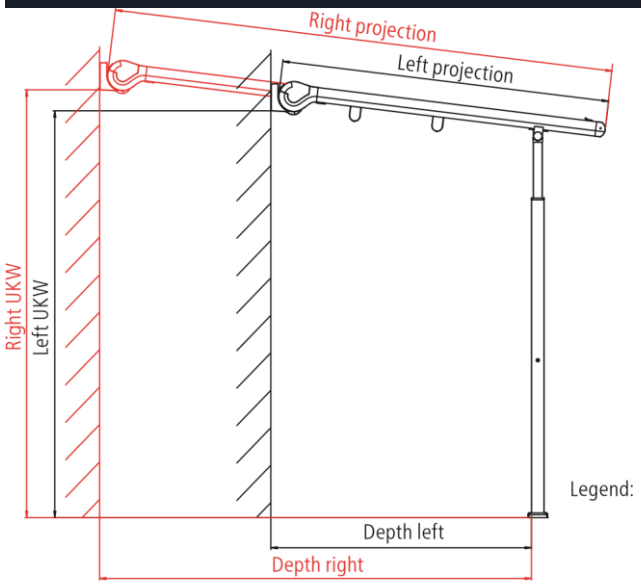



Multi-section unit with offset (top view)



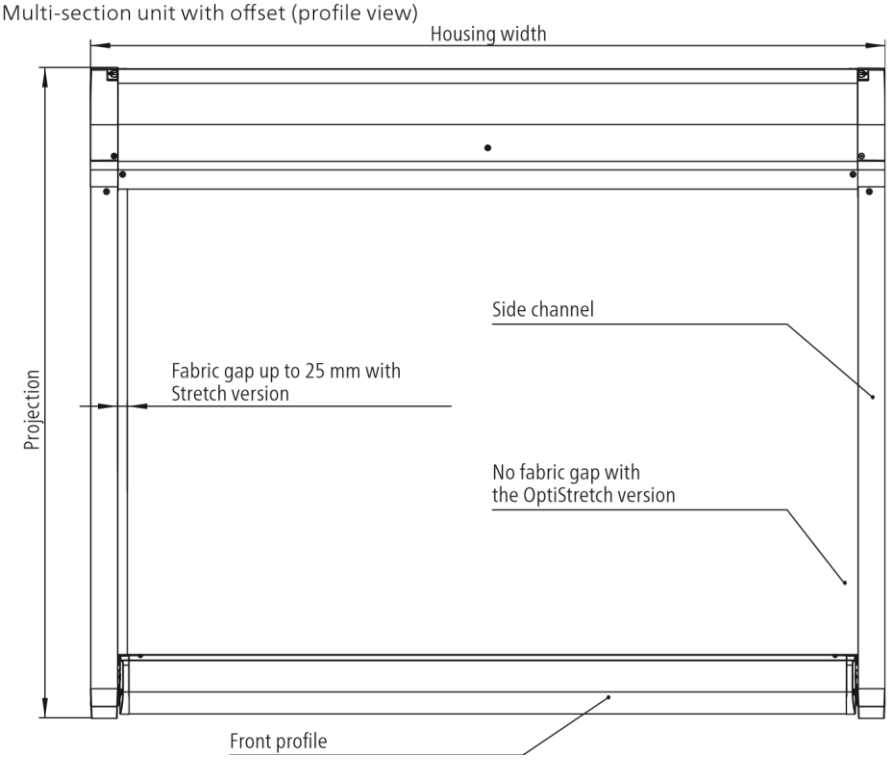

The gap (10-50 mm) between the wall offset and unit can optionally be covered with a bracket.

The gap between the wall and cassette can also optionally be covered with a wall sealing profile.




UKW = wall bracket bottom edge

Multi-section unit with offset (profile view)

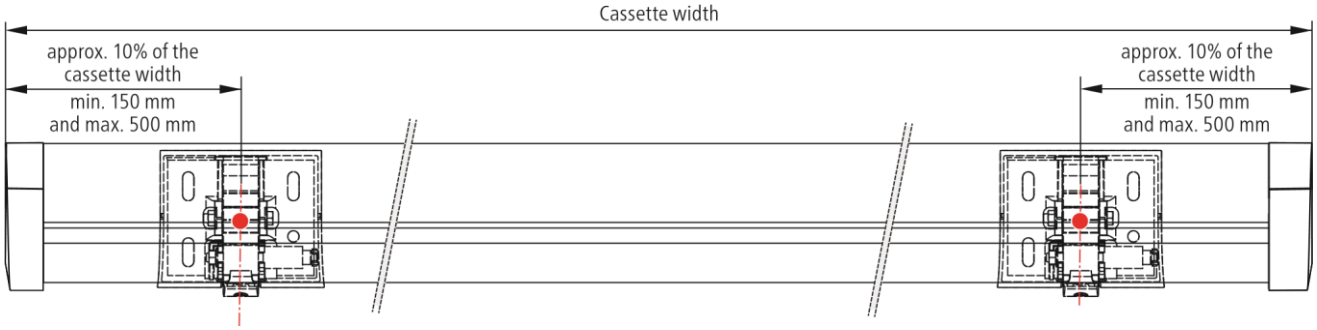



**Top view of Plaza Viva Stretch**

The fabric gap at the side is up to 25 mm in the Stretch version, depending on the cassette width and the projection.

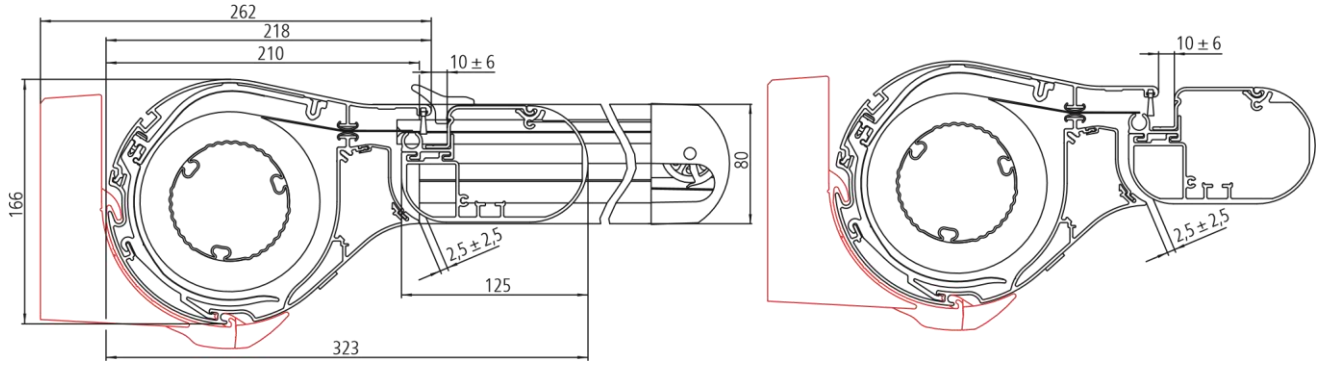
There is no fabric gap in the OptiStretch version.

**Position of wall brackets**



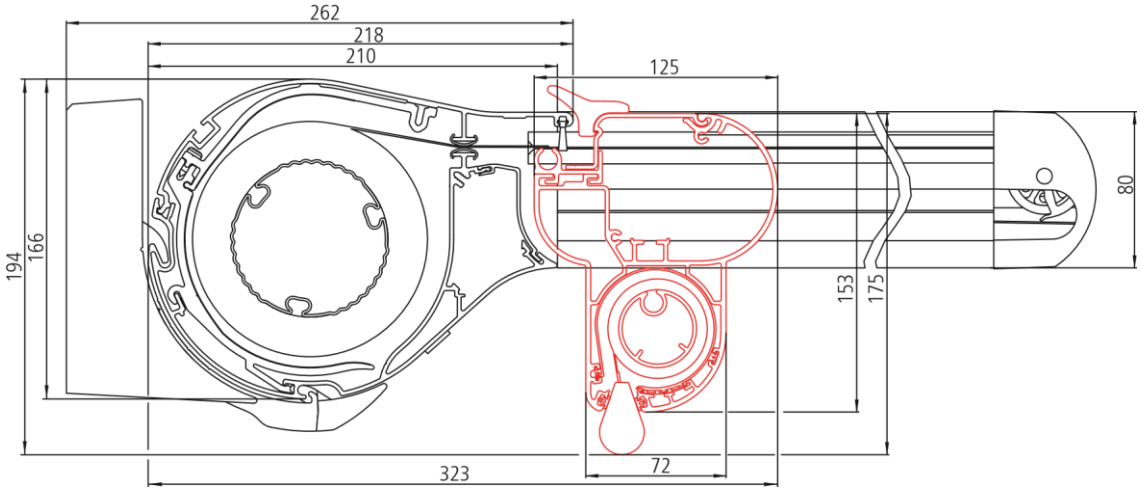
## Plaza Viva cross-section

**Plaza Viva cross sections and dimensions**

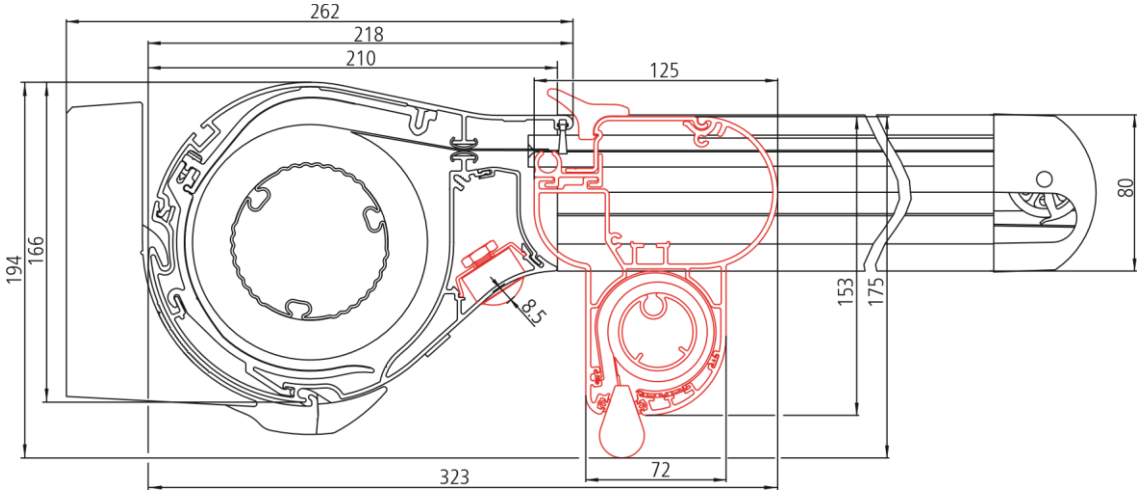



Note: Please observe the tolerances.

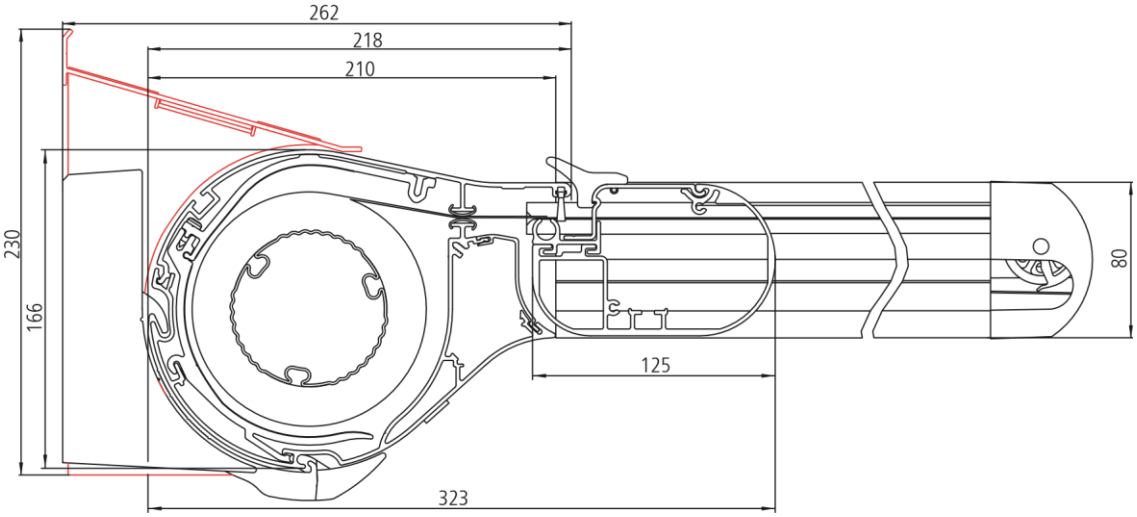
**Plaza Viva Valance Plus cross sections and dimensions**




**Plaza Viva LED and Valance Plus cross sections and dimensions**



**Plaza Viva with wall connection roof cross sections and dimensions**




The patio depth (T) and projection (B) as well as installation height and delta using the example of the angle of pitch 4°, 5°, 10°, 14°, 20° and 25° can be determined using the following tables.

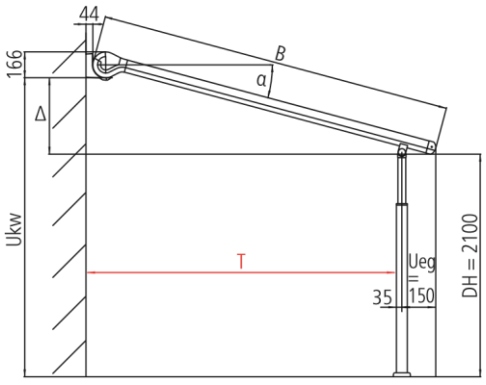
**Fixed post: determining the patio depth (T) and projection (B)**

**Determining the patio depth (T) (up to inside edge of post)**

| Angle of pitch (α) | ction B (in mm) | | | | | |
|---|---|---|---|---|---|---|
| | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| 4° | 2355 | 2854 | 3353 | 3851 | 4350 | 4849 |
| 5° | 2352 | 2850 | 3348 | 3846 | 4344 | 4842 |
| 10° | 2326 | 2819 | 3311 | 3804 | 4296 | 4788 |
| 14° | 2294 | 2779 | 3265 | 3750 | 4235 | 4720 |
| 20° | 2224 | 2693 | 3163 | 3633 | 4103 | 4573 |
| 25° | 2146 | 2599 | 2923 | 3506 | 3959 | 4412 |

Patio depth (T) in mm (rounded figures)

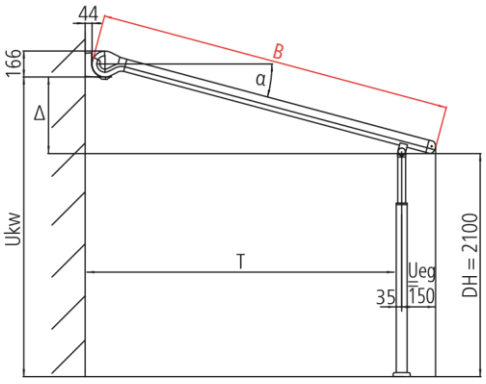
**Determining the projection (B)**




Projection (B) in mm (rounded figures)

| Angle of pitch (α) | Patio depth (T) in mm | | | | | |
|---|---|---|---|---|---|---|
| | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| 4° | 2645 | 3147 | 3648 | 4149 | 4650 | |
| 5° | 2649 | 3151 | 3653 | 4155 | 4657 | |
| 10° | 2676 | 3184 | 3692 | 4200 | 4707 | |
| 14° | 2712 | 3227 | 3743 | 4258 | 4773 | |
| 20° | 2794 | 3326 | 3859 | 4391 | 4923 | |
| 25° | 2890 | 3442 | 3994 | 4546 | | |

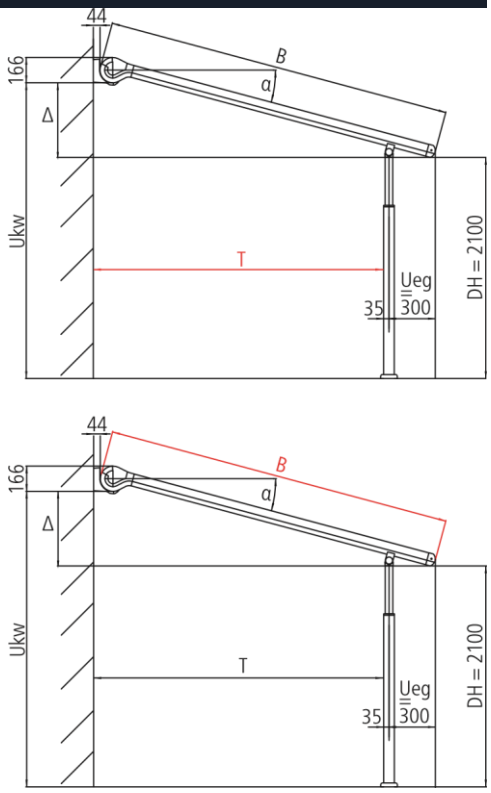
**Telescopic post: determining the patio depth (T) and projection (B)**



| Angle of pitch (α) | ction B (in mm) | | | | | |
|---|---|---|---|---|---|---|
| | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| 4° | 2225 | 2724 | 3223 | 3721 | 4220 | 4719 |
| 5° | 2222 | 2720 | 3218 | 3716 | 4214 | 4712 |
| 10° | 2196 | 2689 | 3181 | 3674 | 4166 | 4658 |
| 14° | 2164 | 2649 | 3135 | 3620 | 4105 | 4590 |
| 20° | 2094 | 2563 | 3033 | 3503 | 3973 | 4443 |
| 25° | 2016 | 2469 | 2923 | 3376 | 3829 | 4282 |

**Determining the patio depth (T) (up to inside edge of post)**

| Angle of pitch (α) | Patio depth (T) in mm | | | | | |
|---|---|---|---|---|---|---|
| | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| 4° | 2776 | 3277 | 3778 | 4279 | 4781 | |
| 5° | 2779 | 3281 | 3783 | 4285 | 4787 | |
| 10° | 2808 | 3316 | 3824 | 4332 | 4839 | |
| 14° | 2846 | 3361 | 3877 | 4392 | 4907 | |
| 20° | 2933 | 3465 | 3997 | 4529 | | |
| 25° | 3034 | 3586 | 4137 | 4689 | | |




**Determining the projection (B)**

Projection (B) in mm (rounded figures)

**Determining the installation height (Ukw) and delta (Δ)**

**Determining the patio depth (T) (up to inside edge of post)**

| Angle of pitch (α) | ction B (in mm) | | | | | |
|---|---|---|---|---|---|---|
| | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| 4° | 2202 | 2237 | 2272 | 2307 | 2342 | 2377 |
| 5° | 2244 | 2288 | 2332 | 2375 | 2419 | 2462 |
| 10° | 2452 | 2539 | 2625 | 2712 | 2799 | 2886 |
| 14° | 2615 | 2736 | 2857 | 2978 | 3099 | 3220 |
| 20° | 2854 | 3025 | 3196 | 3367 | 3539 | 3710 |
| 25° | 3047 | 3258 | 3470 | 3681 | 3892 | 4104 |

Wall bracket bottom edge installation height (Ukw) in mm (rounded figures)

**Determining the delta: difference between the wall bracket bottom edge (Ukw) and head clearance height (DH)**

| Angle of pitch (α) | ction B (in mm) | | | | | |
|---|---|---|---|---|---|---|
| | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| 4° | 102 | 137 | 172 | 207 | 242 | 277 |
| 5° | 144 | 188 | 232 | 275 | 319 | 362 |
| 10° | 352 | 439 | 526 | 613 | 700 | 787 |
| 14° | 515 | 636 | 757 | 878 | 999 | 1120 |
| 20° | 754 | 925 | 1096 | 1267 | 1438 | 1609 |
| 25° | 947 | 1158 | 1370 | 1581 | 1792 | 2004 |

# **Plaza Viva** Planning

Delta (Δ) in mm (rounded figures)

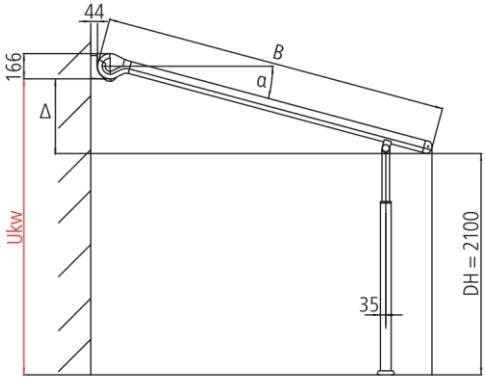
**Recess measurement**

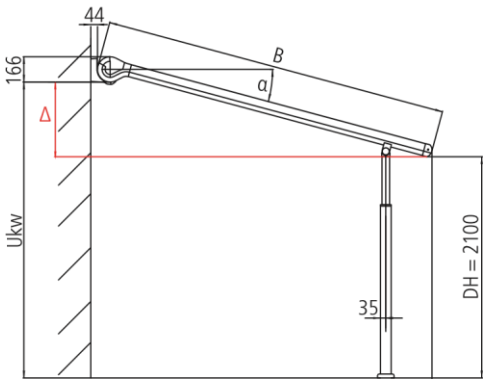
The posts can be recessed by up to approx. 25% of the projection and a maximum of 1000 mm. Installation tolerances are specified made-to-order on the installation sheet.

**Important:**

- Plaza Viva with fixed post: there is no risk of pooling from a pitch of 14°
- Plaza Viva with telescopic post: there is no risk of pooling from a pitch of 4° and with fully lowered post
- The Plaza Viva with fixed posts complies with rain class 2 from a pitch of 14°
- With telescopic posts it already complies with rain class 2 from a pitch of 4° with fully lowered telescopic post

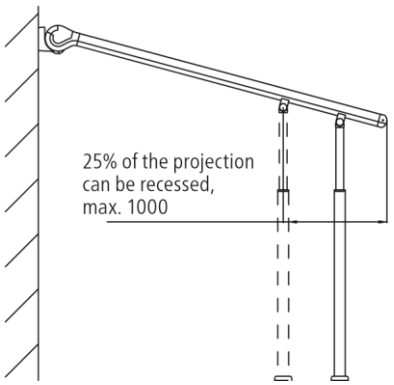

**The Plaza Viva planning aid** Using the clever planning aid you can easily calculate the installation height, pitch and delta value for the height difference between the wall bracket bottom edge and front profile head clearance height by specifying the projection or patio depth you want.



# Plaza Viva

## Planning



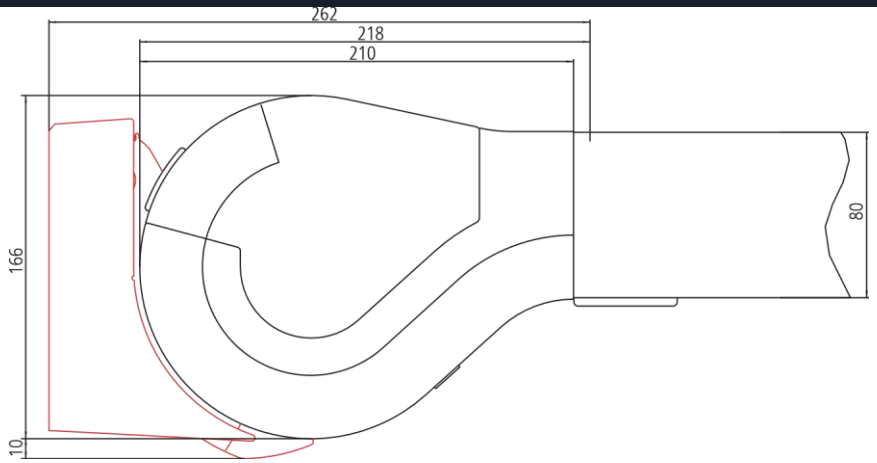

**Legend:**

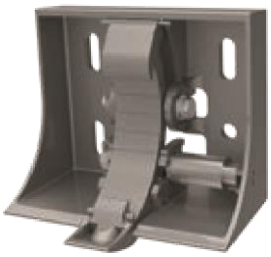
| | |
|---|---|
| B | = projection |
| α | = angle of pitch (roof pitch) |
| Ukw | = wall bracket bottom edge |
| Δ | = height difference (Ukw – DH) |
| T | = patio depth |
| Ueg | = straight overhang |
| DH | = head clearance height |

# **Plaza Viva** installation

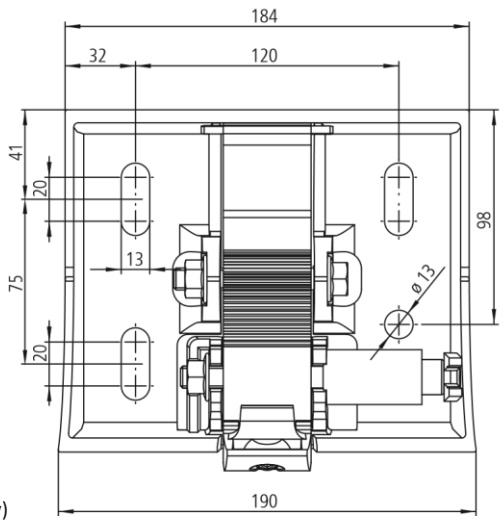
## Wall mounting

Wall bracket

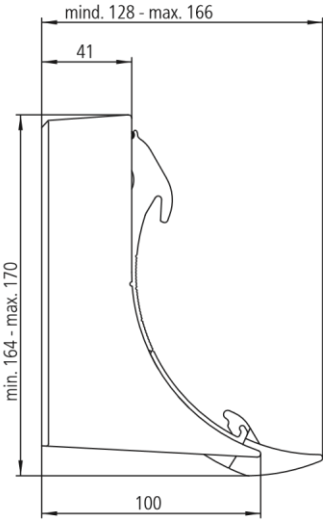


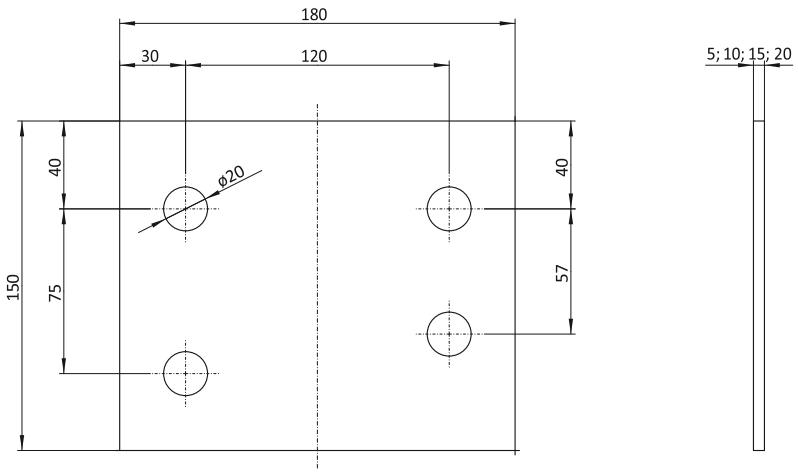



Wall bracket (floating view)

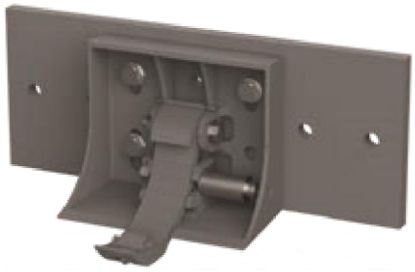



Wall bracket (fixed view)

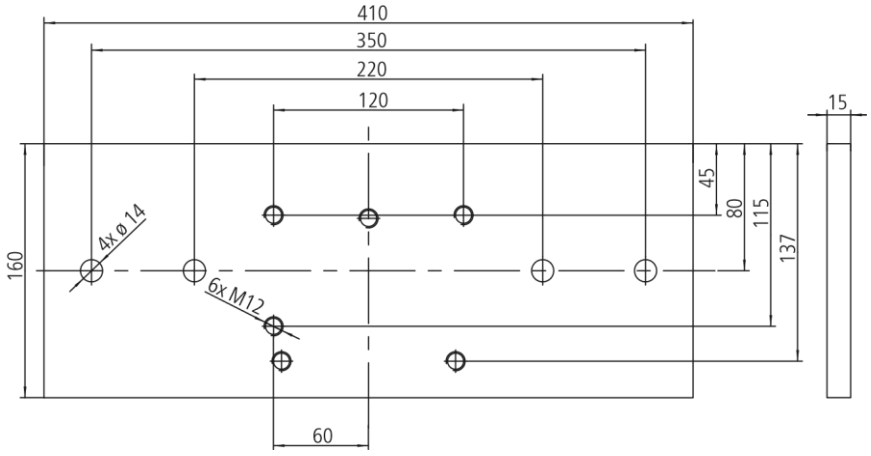





Wall bracket base plate

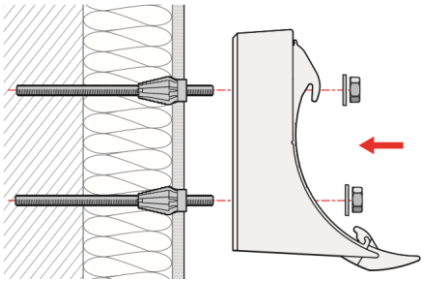


Ceiling front plate 410 x 160 x 15 mm

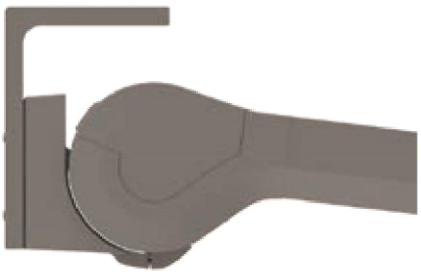



**Note for front ceiling mounting:**
The indicated extraction forces apply to a storey above with a thickness of at least 160 mm. Here, the fixings are installed exactly in the centre of the storey above, so that there is a minimum upward and downward edge distance of 80 mm. For this mounting type, a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

## Installation on insulated facades using Fischer Thermax 12/16

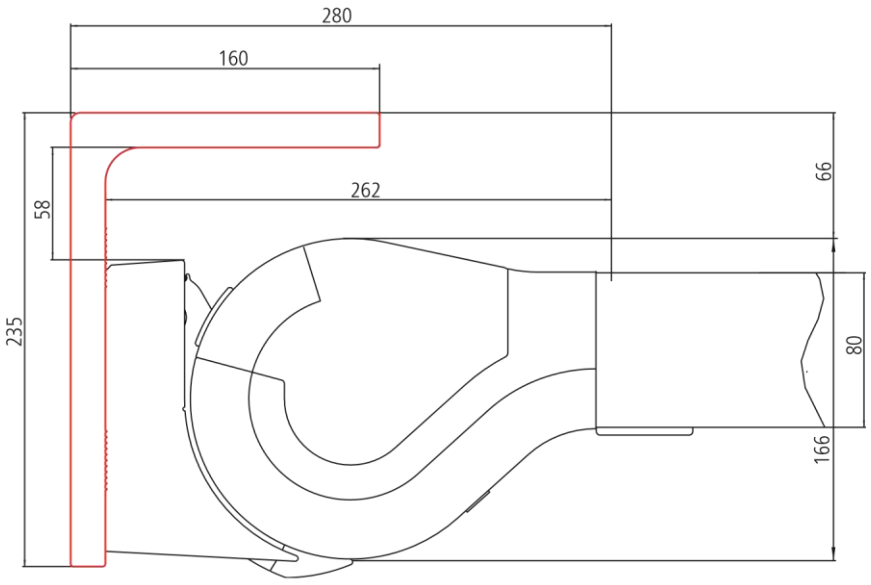


The Thermax 12/16 stand-off installation system from Fischer is suitable for insulated facades as it allows for secure fixing.

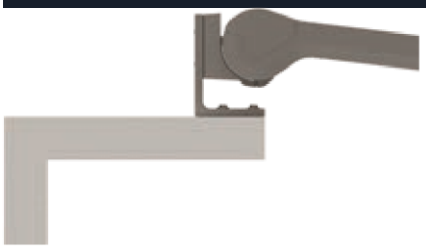


235 x 160 x 18 x 180 mm roof mounting with angle bracket, complete

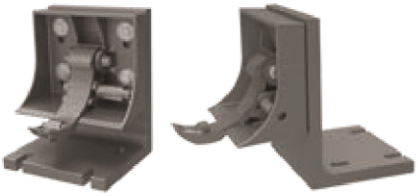
235 x 160 x 18 x 180 mm angle bracket, complete (roof mounting)



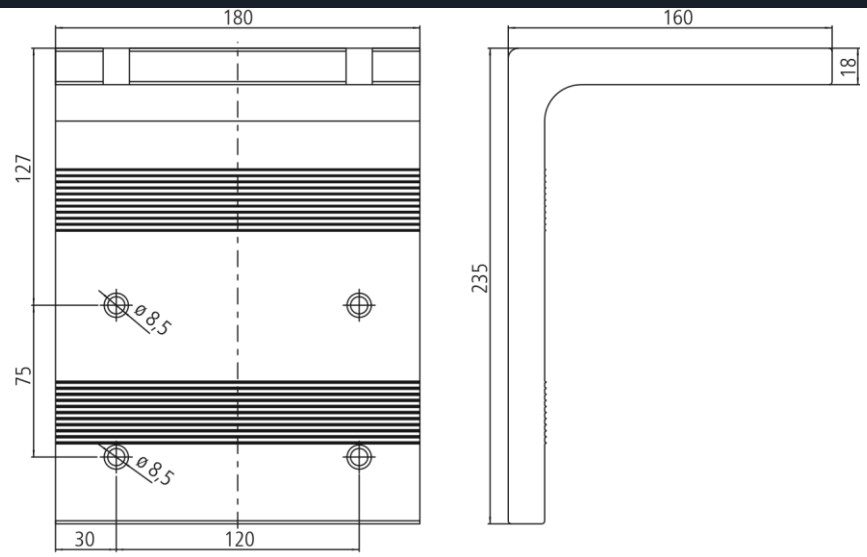

Ceiling angle

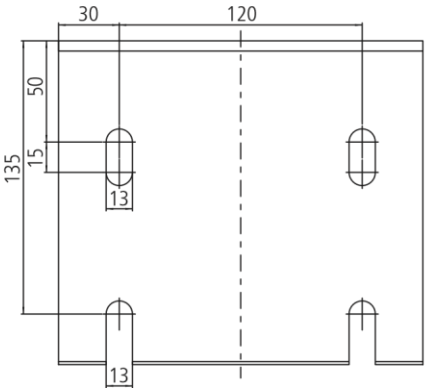


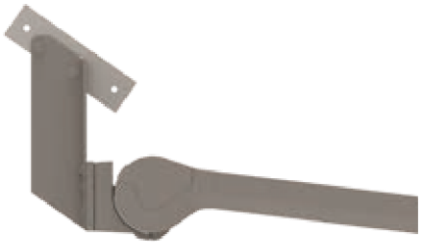
Possible use on roof



Front and rear installation option for ceiling bracket

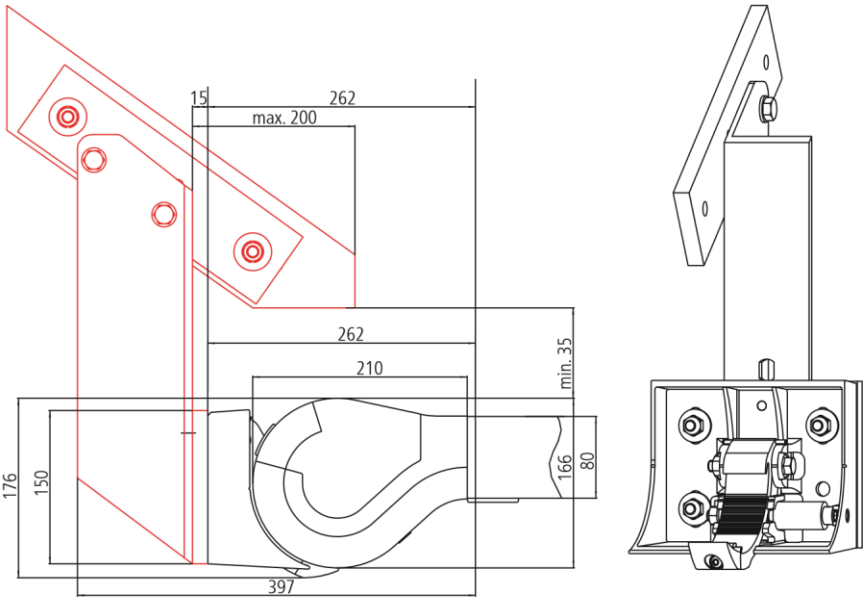


Rafter bracket

Rafter bracket with mounting plate and wall bracket

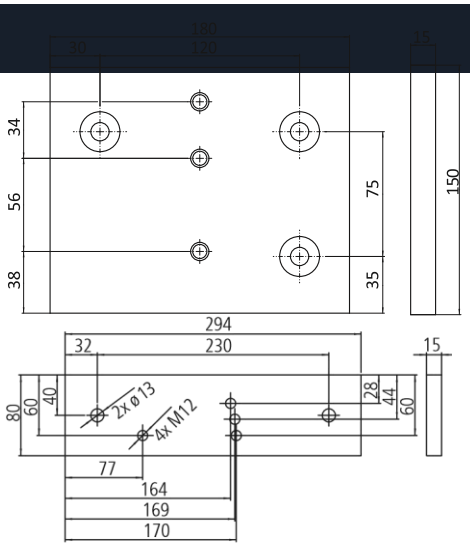


# **Plaza Viva** Installation

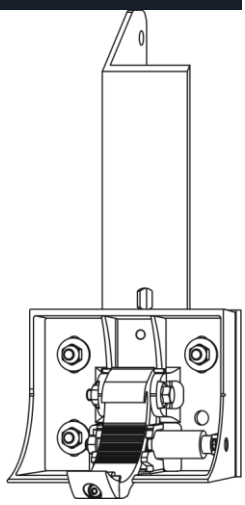
Adaptor plate for
180 x 150 x 15 mm

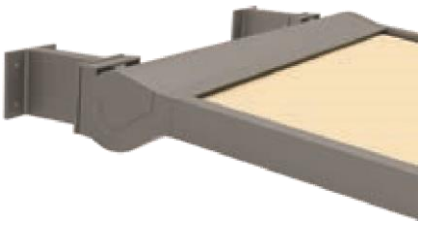
294 x 80 x 15 mm

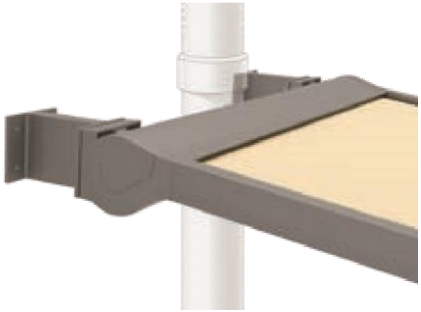
Mounting plate for rafter bracket




rafter bracket



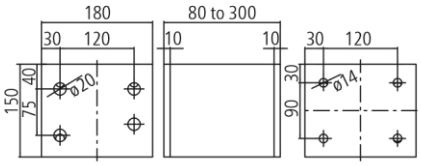




80 to 300 mm gaps can be bridged using the stand off bracket.

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

Stand off bracket



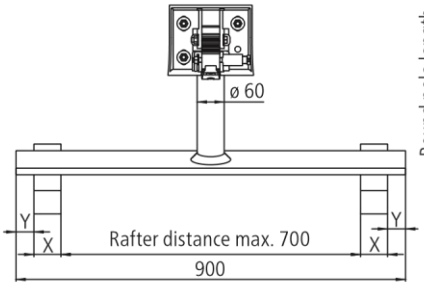

Stand off bracket with wall bracket

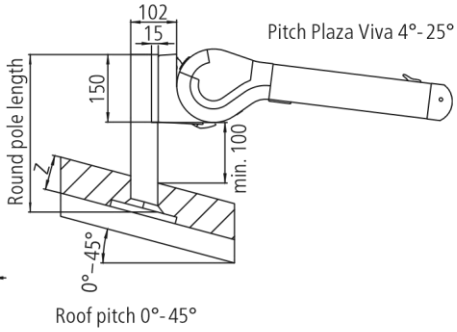
## Installation on roof using a stilt (special bracket)

Use of stilt

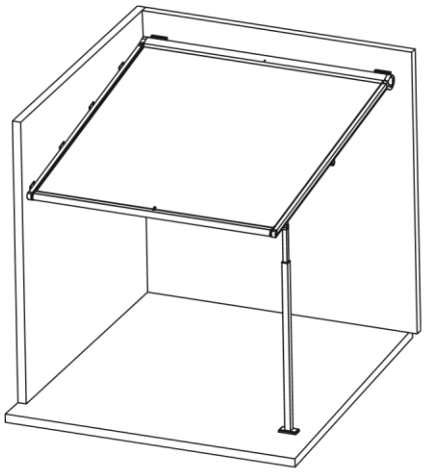
This special bracket is used for example under roof tiles. The longer plate is mounted under the roof tiles and sealed again on site. This mounting holes are drilled on site after determining the position.
Please note: We need the house roof angle and length of the round pole (stilt) to install the stilt.

Three-piece special bracket
(mounting plate, stilt, wall bracket)

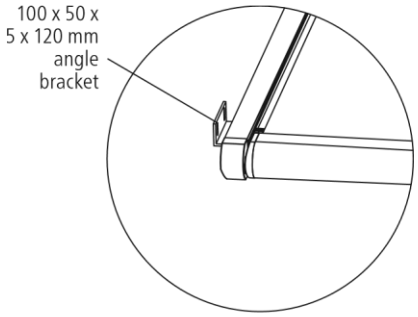


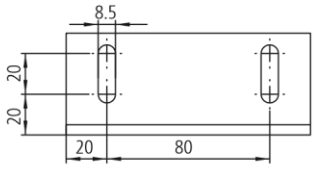

Use for installation on a roof
X = rafter thickness
Y = stilt adjustment range = (900 - rafter distance - 2x)/2
Z = height of roof structure (tiles etc. ...)

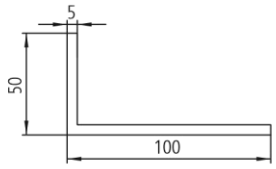


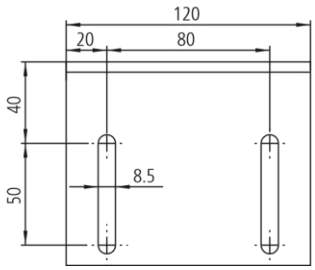
100 x 50 x 5 x 120 mm wall-mount angle bracket

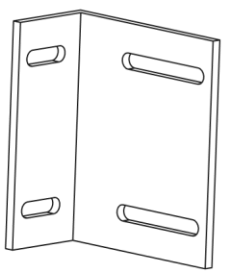



The Plaza Viva can also be mounted on a lateral wall, niche or next to a Terrazza using the 100 x 50 x 5 x 120 mm wall-mount angle bracket.



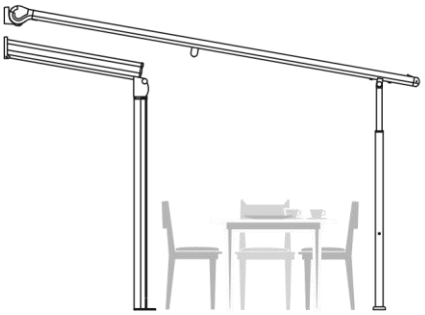



## Other application examples

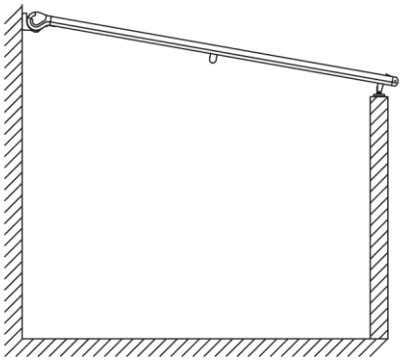
**Plaza Viva installation beyond a patio roof and/or conservatory**

The Plaza Viva is installed on the wall on site using wall brackets and the projection is extended (the head clearance height must be noted for this). With installation without using support brackets.



**Installation on a wall**

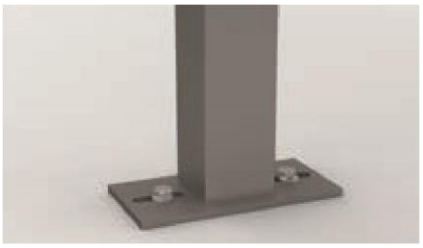
If there is a wall on the opposite side, it is possible to mount the Plaza the wall without posts to achieve an even larger area of support brackets.



**Duofix supporting structure (without posts)**

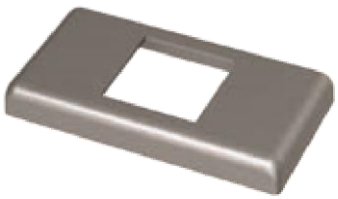
Two Plaza Viva can be mounted on our Duofix supporting structure using adjustable sun shade.

**Post plates**

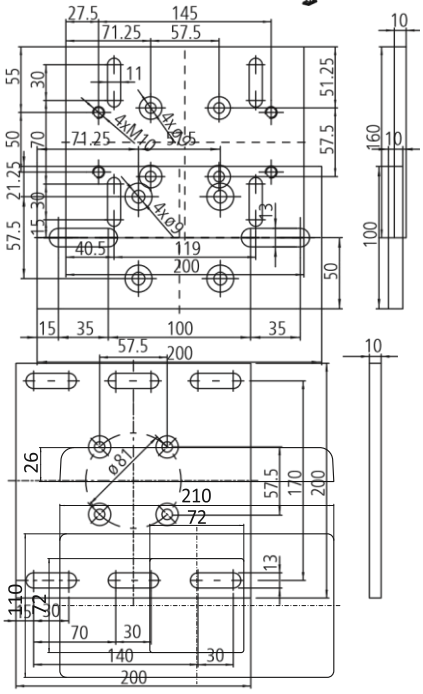


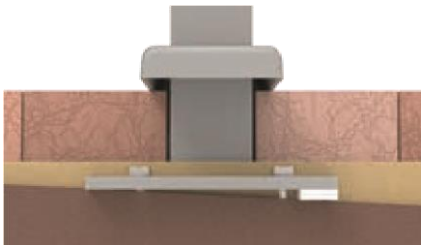
Standard post plate
(installation on even ground)

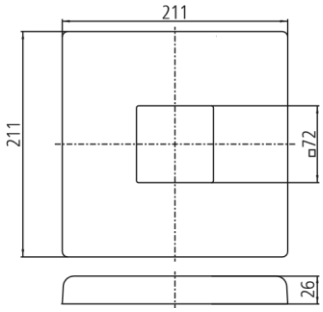
Post plate 200 x 100 x 10 mm



Post plate cover cap 210 x 110 x 26 mm

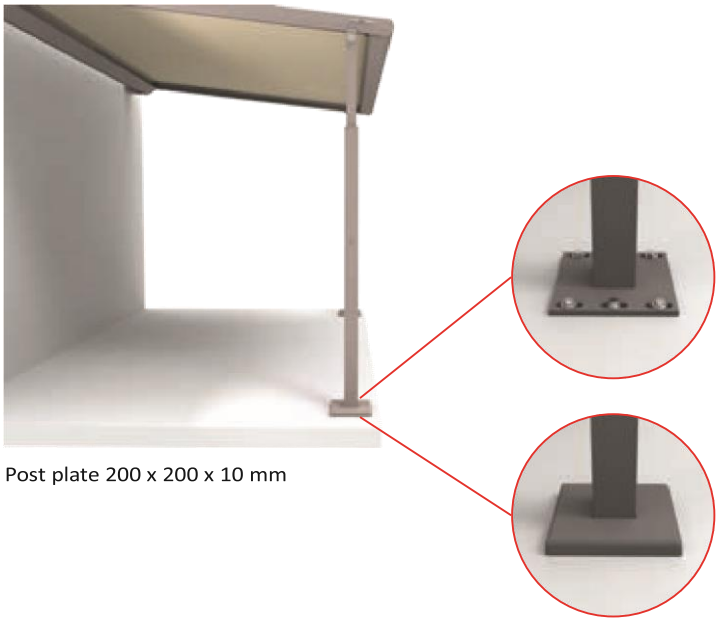


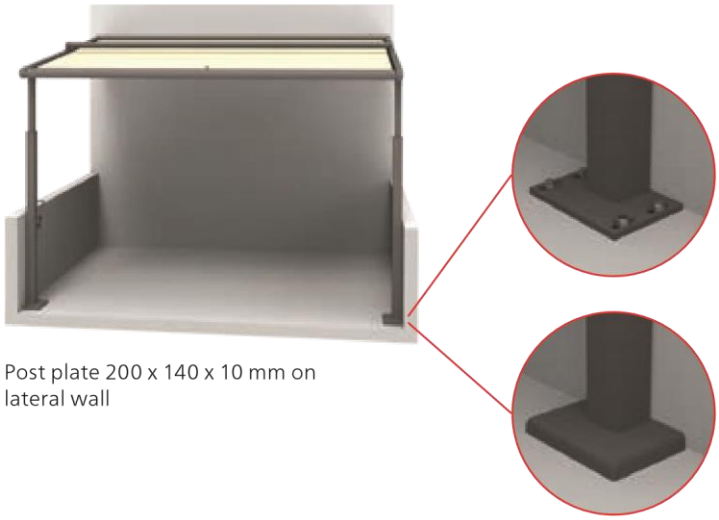


Adjustable post plate for installation uneven ground and Krinner screw foundation systems KSF F

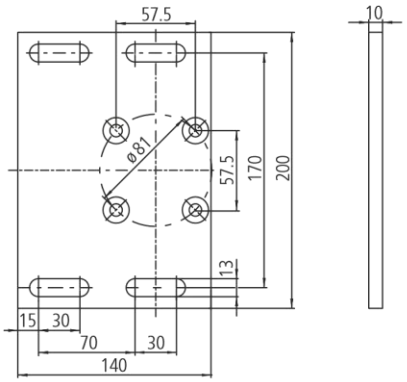
Post plate 200 x 160 x 10 mm on

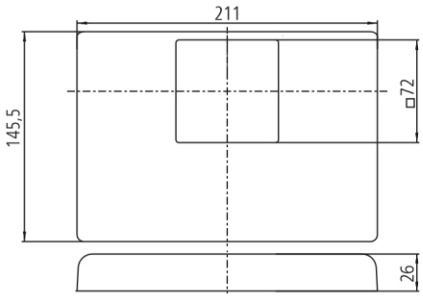


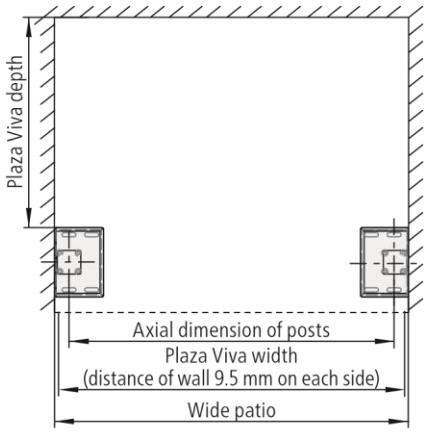
Post plate 200 x 200 x 10 mm



Post plate 200 x 140 x 10 mm on lateral wall



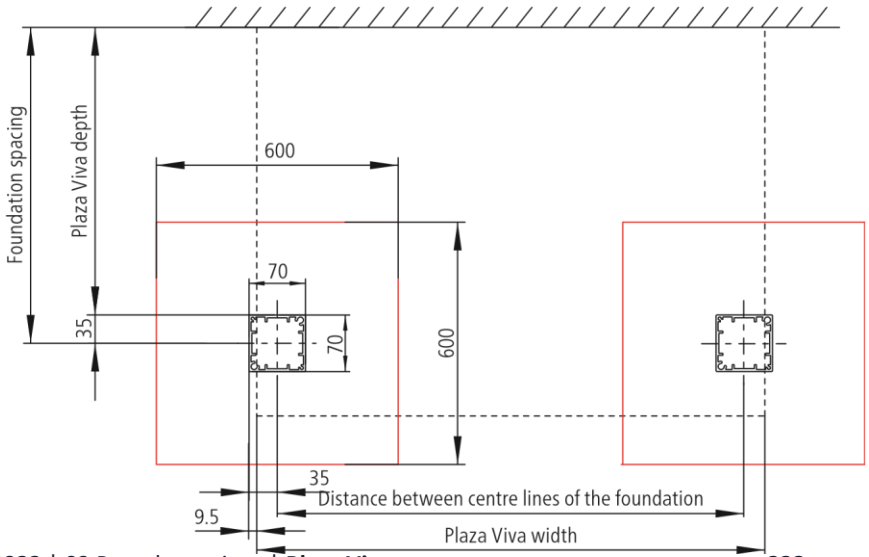




Plaza Viva mounting on a terrace with lateral wall

Mounting post plate 200 x 140 x 10 mm with lateral wall offset

Mounting post plate 200 x 140 x 10 mm on a wall

**Post foundation planning**

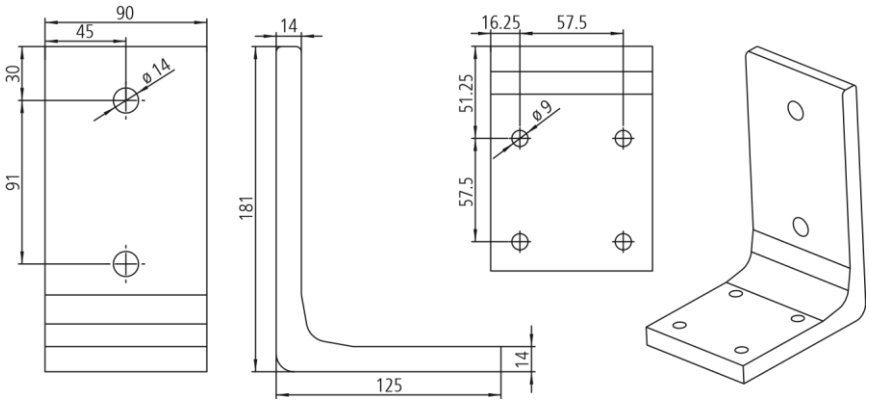



**Note**

The size of the foundation depends on the quality of the ground, the acting loads and the climate conditions (frost depth). The size specified here assumes unfavourable conditions. A smaller foundation may also be adequate depending on the structural conditions.

# **Plaza Viva** Installation

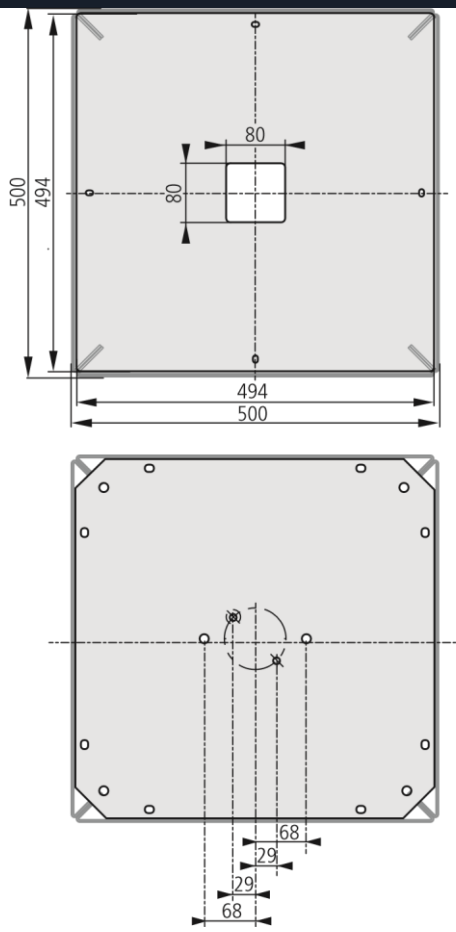
Angle bracket with posts

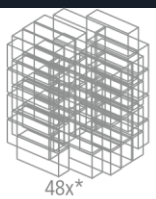


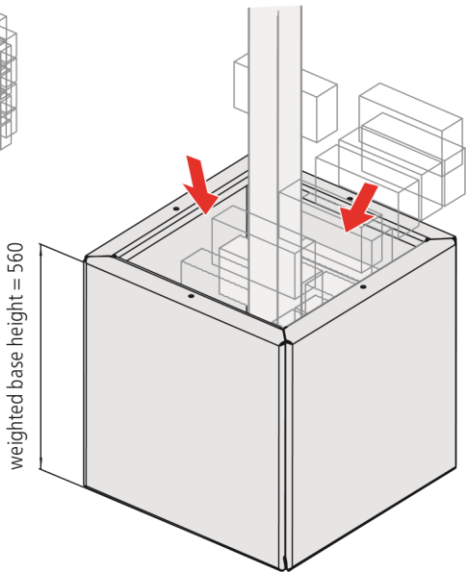
## Post installation weighted base for posts

# **Plaza Viva** Installation

**Note:**




• The weighted base for posts has a size of approx. 500 x 500 mm, the height is approx. 560 mm.

• As a weighting it is recommended to use 48 stones in size 200 x 100 x 60 mm. This corresponds to a weight of about 125 kg.

• The weighted base for posts is not suitable for use on wind-exposed places.

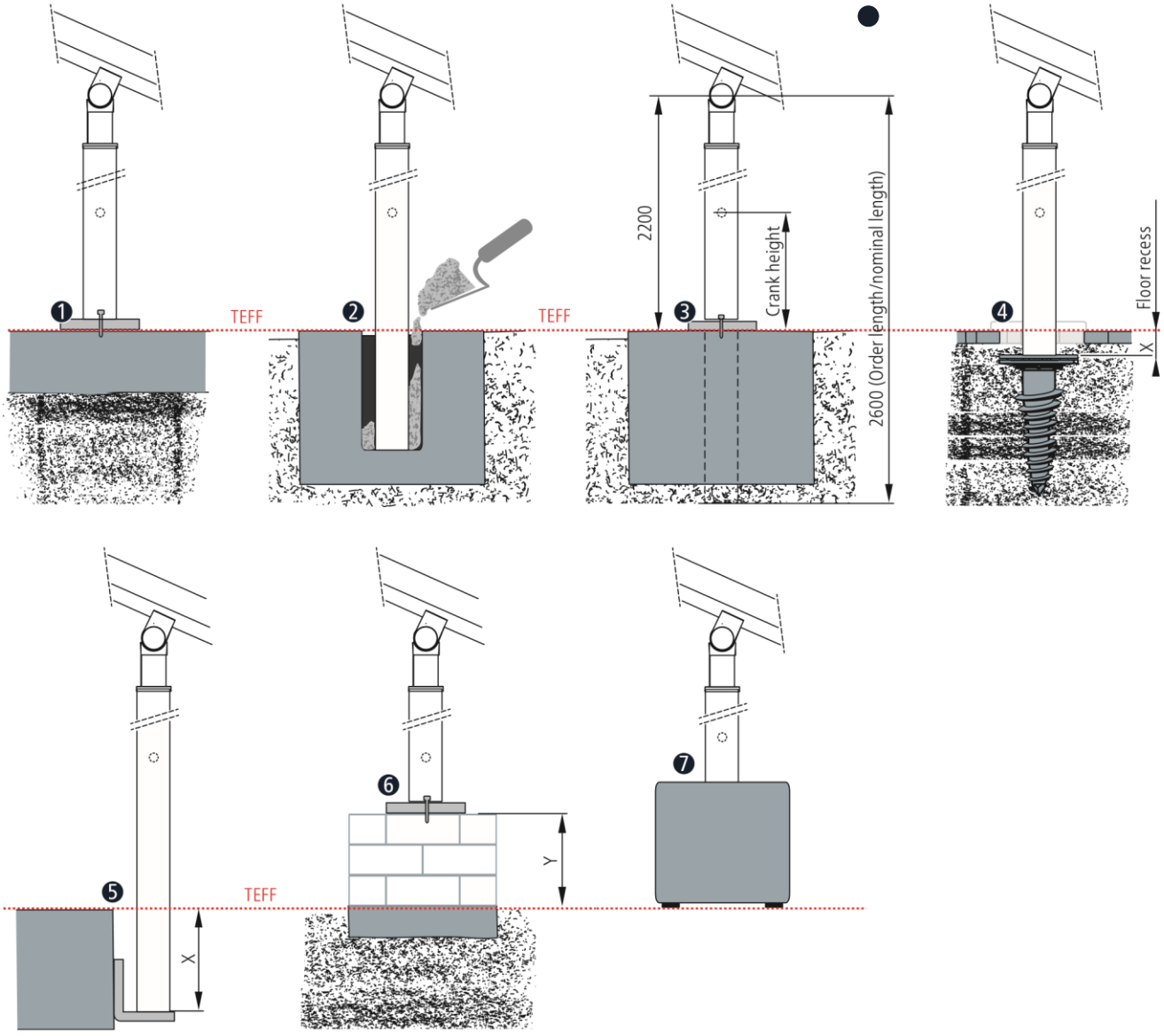
**Post fixation on concrete floor slabs** The standard configuration is the installation of the Plaza Viva with post plates on a given concrete floor. The finished cut length of the post is always indicated on the assembly sheet.

**Bucket foundation** Posts are securely fitted into a strong non moving base. The concrete is pured and set at the end of the installation, which simplifies the alignment of the posts.

**Deep-seated foundation** The easy and flexible screw attachment on a 700 (w) x 800 (h) x 700 (d) mm screw foundation is carried out like the standard fixation (item 1). The reference height for the crank position as well as for the post height is always TEFF.

**Screw foundation** When fixing the posts into soil/earth they are an alternative to conventional foundation fixing. The post length as mentioned on the mounting sheet is increased by the floor level (X).

# **Plaza Viva** Installation




**Mounting with angle bracket ❺**

Is suitable, for example, when mounting in front of a balcony or a terrace. The calculated post length is increased by the floor level (X).

**Mounting on wall**

When the post is mounted on a wall, the height of the post is reduced by the height of the wall (Y).

If it is not possible to fix the post into the ground then the base option can be used. For example a public/pedestrian area, indoor installation, or on a balcony.

**Weighted base for posts**

TEFF: Top edge of finished floor
X: Floor recess Y: Height wall