

NEW!



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Artares

The weinor louvred roof

Technical information

Last revised 01. December 2022

We reserve the right to make technical changes

weinor

Awnings Patio roofs Glasoasen®

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weinor is an eco-friendly company. To ensure compliance with high environmental standards, manufacturing processes and materials undergo regular testing by experts.

Please note individual market availabilities.

Notes:

We reserve the right to make technical changes as well as changes in range and product portfolio. For technical reasons, the colours may appear slightly different when printed. The detailed technical illustrations of weinor products shown in this product catalogue are not always 100 % true to the original..



Artares – the louvred roof

Artares completes the weinor offer for outdoor living space. The weinor louvred roof "Made in Germany" is a high-quality, trendy product where several extras are already pre-planned. Thanks to newly developed motorisation, the louvres can be rotated fast and with little noise **up to 140°**. This ensures natural ventilation and simultaneous optimum sun protection under the roof. Numerous options such as the integrated vertical sun protection, great light options and decorative strips round off the package, leaving you more or less no open wishes.

NEW!

Artares

The weinor louvred roof



Static louvre without a motor:
ensures high wind stability



Fascia with coloured LED strip:
circumferentially on the lower side, dimmable



LED strips with warm white lighting:
are integrated in the louvres.
(switchable, not dimmable)



Static louvre with an integrated motor*:
Fast drive, easy to access for installation and maintenance

* Motor depicted here visibly

Decorative strips in 5 trend colours



Attractive post design thanks to:

- Decorative strips in trend colours or the frame colour
- High-quality 400 coloured LED strip below
- High-quality 1600 coloured LED strip above



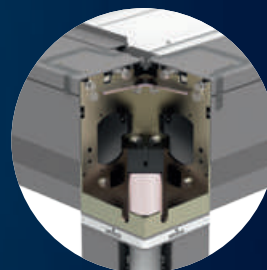
High load-bearing capacity:
resilient construction for
high wind and snow loads



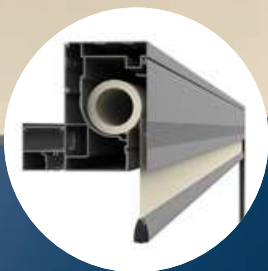
**Low-noise rotation,
high-quality louvres:**
Special louvres consisting of
maintenance-free stainless
steel, installation and service-
friendly snap ring, 56 colours
available without extra charge,
also matching the frame



Wide opening angle:
the louvres can be rotated
up to 140°.



Safe guttering:
due to the slight pitch in
the untrussed roof in the
gutter system for fascia
and posts (rain class 2)



Integrated vertical sun protection:
circumferentially in the frame, no
cassette on top visible



Note: Currently, only the easy to clean and robust
fibreglass screen fabrics from the collection
Screens by weinor® are available for the vertical
sun protection system.

Artares benefits



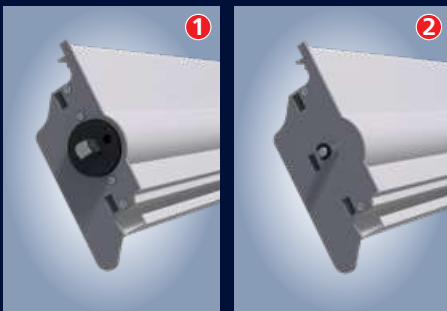
Attractive, high-quality construction

With its modern, cubic look and bioclimatic properties, Artares impresses. Thanks to newly developed motorisation, the louvres can be rotated fast and with little noise up to 140° and ensure a dreamlike interplay of light and shadows as well as natural ventilation under the roof. The statically clever construction provides for particularly good stability. In addition to a leaned up version for sensitive facades, Artares can also be installed free-standing.



Clever cabling concept

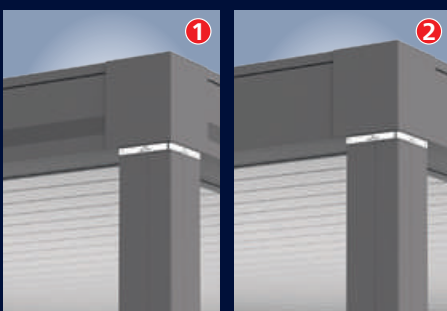
All electrical components are mounted ready to plug in and are already integrated into the profiles weather-protected and concealed. This guarantees easy, error-free installation and an attractive look. An inspection flap provides easy access and simplifies installation and maintenance.



Two static louvres

The static louvre with an integrated motor ① ensures fast, low-noise rotation of the louvres.

The static louvre without an integrated motor ② at the other end of the roof provides Artares with high wind stability.



Fascia in two stylish design versions

As a standard, the fascia is equipped with a distinctive engraving front ①. If you prefer it more puristic, select the optional smooth version ②.



Coloured LED strips in the posts and fascia, warm-white light in the louvres

A new lighting concept allows for the fitting of posts and fascia with coloured LED strips and warm white light in the louvres:

- 400 mm long in the lower post area
- 1,600 mm long in upper post area
- LED strips with warm-white light in the louvres (switchable, not dimmable)
- Integrated cabling ready to plug in

Artares Benefits – expandable system



Vertical sun protection – fully integrated

The integrated vertical sun protection offers full privacy and glare protection and is perfectly matched with Artares. Depending on the requirements, it can be used on the left-hand side, right-hand side or also circumferentially. If you plan to add the vertical sun protection later, we recommend advance preparation of the electrical connections when ordering initially (optional).

Soon! Later installation without advance preparation when ordering is possible (maybe at greater expense).



Tempura Quadra with special bracket 260.
Cabling integrated in the frame is possible.

High-performance Tempura Quadra heating system

Tempura, the energy-efficient infrared heating system convinces with heat output of 1,500 watts in a tiny housing.

- Instant heat: no warm-up time
- Turn as required for targeted warmth
- Operate and dim using BiConnect remote control
- Splash protection
- TÜV-tested



Coupled systems – for large areas

Artares is also suitable for particularly large outdoor living spaces and gardens.

- Coupling on the short side – up to 18 metres
- Coupling on the long side – up to 24 metres



Example of free-standing individual unit

- Short side max. 7 metres
- Long side max. 4.5 metres



Example: Wall coupling on the short side

- Max. 18 metres



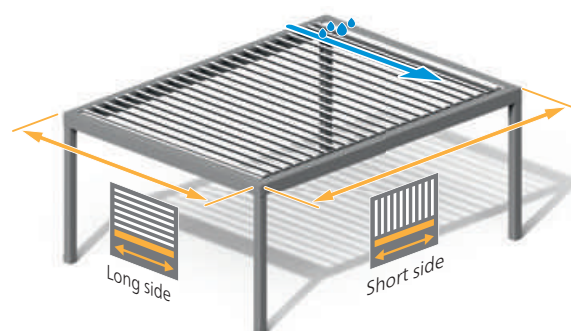
Example: Wall coupling on the long side

- Max. 24 metres


Artares technology

Technology overview

Louvred roof



● Standard ○ option

Technology	
Louvred roof short side, max.	<div>  </div> 7,000 mm 24,000 mm (on long side coupled system, max. 4 sections with 6,000 mm)
Louvred roof long side, max.	<div>  </div> 4,500 mm 18,000 mm (on short side coupled system, max. 4 sections with 4,500 mm)
Gutter drainage	○ Concealed, possible through all posts
Number of louvres	Size-dependent, please see the price list
Options	
Coloured LED strips in the fascia	○
Coloured LED strips in the posts 400/1600 mm	○
Decorative strips in the posts	○
Preparation for mains connection 230 V beneath the fascia	○
Accessories	
Vertical sun protection	○
Tempura Quadra heating system with special attachment 260	○
Posts	
150 post (square), length	Up to 3,000 mm (with vertical sun protection up to max. 2,600 mm)
Louvres	
Louvre rotation	Up to 140°
Louvres differently coloured than the frame	○
Fascia	
Profile partially structured	●
Profile smooth	○
System and standards conformity	
Classification	Pergola awning with louvres (DIN EN 13561)
Rain resistance class	2 (approx. 56 l/m ² per h)
Wind resistance class	Louvres: not determined (DIN EN 13561) Vertical sun protection: 3 (DIN EN 13561)
Snow load	Size-dependent, as of 520 N/m ² (see snow load table) (DIN EN 1090, 1990, 1991)

Depending on the design, differing distances between centre lines and the resultant additional roof sections can occur.
Other individual shapes and maximum dimensions possible upon request.

Details about weinor Artares

Artares scope of delivery

All the small parts required for the installation of an Artares louvred roof are supplied as standard. Please also note any possible different or additional statements in the commercial or technical confirmation of the order.

Site measuring/Artares planning

- A full and accurate site survey is a basic requirement for the job to be carried out well. It provides the basis for production of the roof and for the establishment of further constructional requirements.
- weinor needs the roof dimensions you want. Please observe above-all obstacles such as protruding walls, rainwater downpipes, etc.
- Remember: The roof must be aligned straight.
- Permanently mark the cutting check and location of the special features you have noted on-site.
- Ideally, take digital photos of the installation site. Your technicians will later be grateful for the more detailed advance information from good photos later.
- Also, measure the current situation on-site. This makes it easier when discussing any necessary modifications and avoids repeated site measuring.
- When deciding how to position the long and short louvred roof, both the area for which sun protection is required and alignment with the sun must be taken into account.
- The builder-owner and customer are ultimately responsible for the static design of the roof and accessories. In this context, the relevant valid statutory regulations must be observed, in particular Eurocode DIN EN 1990 and 1991, which define wind and snow loads.
- As a rule, production will not commence until after written approval of the order. Orders placed via the weinor E-shop are accepted without written approval and forwarded to Production immediately after consignment of the order confirmation. No collateral agreements will be accepted as part of the contract.
- Modifications to orders made after an order has been approved are only possible in certain instances depending on their production status and will therefore be subject to additional invoicing.

Integrated vertical sun protection

- Optionally, integrated vertical sun protection can be applied.
- It can be selected individually for each side or circumferentially.
- The vertical sun protection provides privacy and glare protection with low-lying sun.
- The system can be retrofitted at a later point in time.

Installation

- Check the structural conditions: Foundation, floor section, cutting check, masonry
- Check the drawing according to Engineering
The resulting connection forces are provided in the weinor E-shop and the order confirmation.

- The installing weinor partner is responsible for the professional installation and correct selection of the fixing material.
- Preparatory work:
 - Check the roof and accessories scope of delivery against the parts list/drawing from the order confirmation
 - Unpacking the delivery
 - Check it for damage
 - Start installation
 - Instructions are available for installation.

Recommended installation material (not in scope of delivery)

- Fixings for mounting the roof to the wall and floor
- Fixings for glazing elements
- Glazing blocks, silicone, sealing glue, expanding foam tape, films, filler cord, insulation material, PU foam, glazing tape
- Weather protection angle bracket above the wall profile
- Spacers for shimming glazing elements onto the floor
- Detailed tool and installation material list, see the end of this product catalogue

In case of complaints

If something appears to have not been carried out to your satisfaction:

- Take a photo of the package concerned (if possible, a digital photo).
- Make a detailed note of the causes, e.g. the actual dimensions of the supplied package. Our technicians can then compare the dimension with the target dimension to quickly establish the causes.
- Make a detailed note of the target dimension you would have expected. Our technicians can often draw important conclusions from this and provide you with further tips.
- Please contact the weinor office without delay.
- If possible, enter the complaint in the weinor E-shop, this enables rapid processing.

Details regarding the colour and coating

- The Artares coating with easy-care, matt conservatory trend structural colours offers the benefit of a non-sensitive surface. In case of smooth RAL colours, the high proportion of coated surfaces may increase the risk of strips of dirt, marks or scratches.
- Powder coating: All weinor patio roof and glazing element surfaces are always supplied powder-coated. Caution, deviations in colour: Different gloss levels and powders from various manufacturers may result in colour variations. The critical colours are RAL 9006 and RAL 9007 as well as all metallic (WT) colours.

Details about weinor Artares

Rain security

Normally, the louvred roof lets no water through when closed. When it rains, the water is guided via the guttering to the corner joint and then into the rain drain.

If the rain quantity exceeds 56 l/m^2 (in case of heavy rainfall or a short, very heavy shower with wind), but also if the guttering and/or drains are blocked (due to soiling, e.g. leaves, branches etc.), overflowing may occur. Then, it is possible that excess water also ingresses beneath the louvred roof via the edges. Impinging rain beneath the rain gutters may form slight splashing.



Louvre positioning when it rains

Where higher humidity and fluctuations in temperature occur, condensation may form on and drip off the underside.

Wind resistance classes

Artares und also vertical sun protection from weinor withstand a wind speed of up to 49 km/h , thus fulfilling DIN 13561 wind resistance class 3 (wind strength 6 on the Beaufort scale). In case of higher wind speeds, the louvres close automatically.

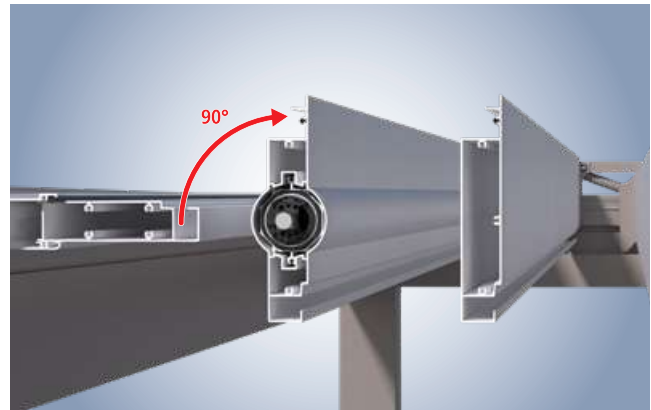


Building permits

Depending on the building authority/federal state responsible, louvred roofs can be subject to approval. Please observe the required demonstrability for statics and stability here.

Snow and frost

The highest permissible snow load depends on the size of the system. Please refer to the separate price list or calculation in the weinor E-shop. Internal tests have shown that Artares ($6 \times 4 \text{ m}$) withstands a load exceeding 200 kg/m^2 .



Louvre positioning during heavy snowfall

The series sun, wind and rain sensor BiSens SWR-230V can be configured to open the louvres 90° in case of heavy snowfall. In principle, the user must ensure that no overload arising from snow is incurred on the louvred roof. Therefore, the roof must, for example, be cleared of snow if the control unit fails or in case of exceptional snowfall.

A louvred roof should not be operated in case of frost. It is possible that the control unit opens the louvres to approx. 3° in order to prevent them from freezing together (for details regarding this and also alternative configurations, please refer to the Control chapter)

Cleaning the Artares louvred roof

The end-user must clean the Artares regularly. When using a cleaning device, it must be observed that the pressure exerted on the louvres is not too high. The louvres must always be free of loose items such as leaves, branches, etc. in order to avoid influencing the electrical control unit. This also applies to vertical sun protection if present.

Moreover, you can offer the customer annual maintenance.

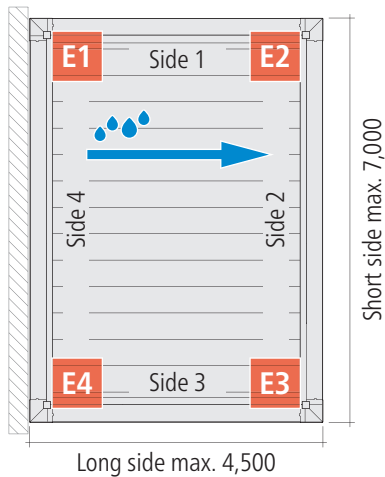
Safety instructions

When the louvres are driven, no items may be trapped between them. You must also not place your hands between the louvres.

Viewing consistency (from above)

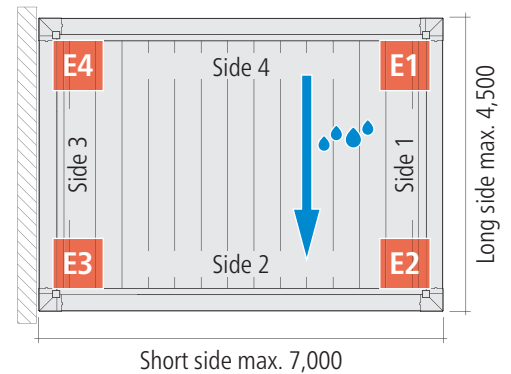
Dependency on the rain drain and position of the post

The marking of the position of the posts depends on the rain drain direction. The rainwater always runs towards the posts E2 and E3. If the louvred roof is rotated, the post positions rotate in accordance with the rain drain direction.



Example 1

For free-standing Artares or with a left-hand side wall connection, the rainwater flows away from the building wall on the right-hand side.

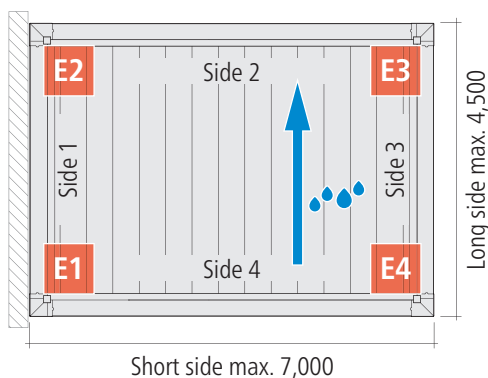


Example 2

If the rainwater drain is at the front, Artares must be planned accordingly rotated in front of the building wall.

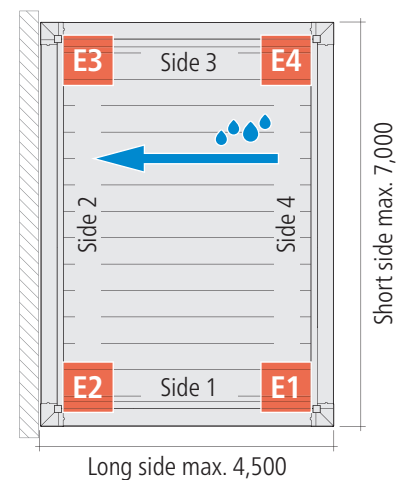
Example 3

If the rainwater drain is at the reverse, Artares must be planned accordingly rotated in front of the building wall.



Example 4

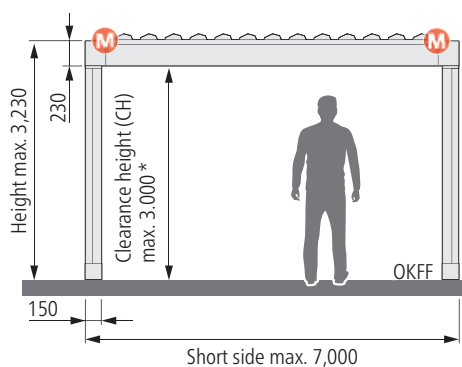
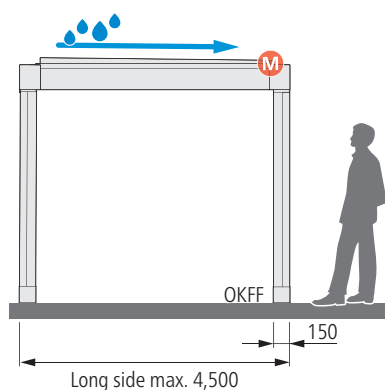
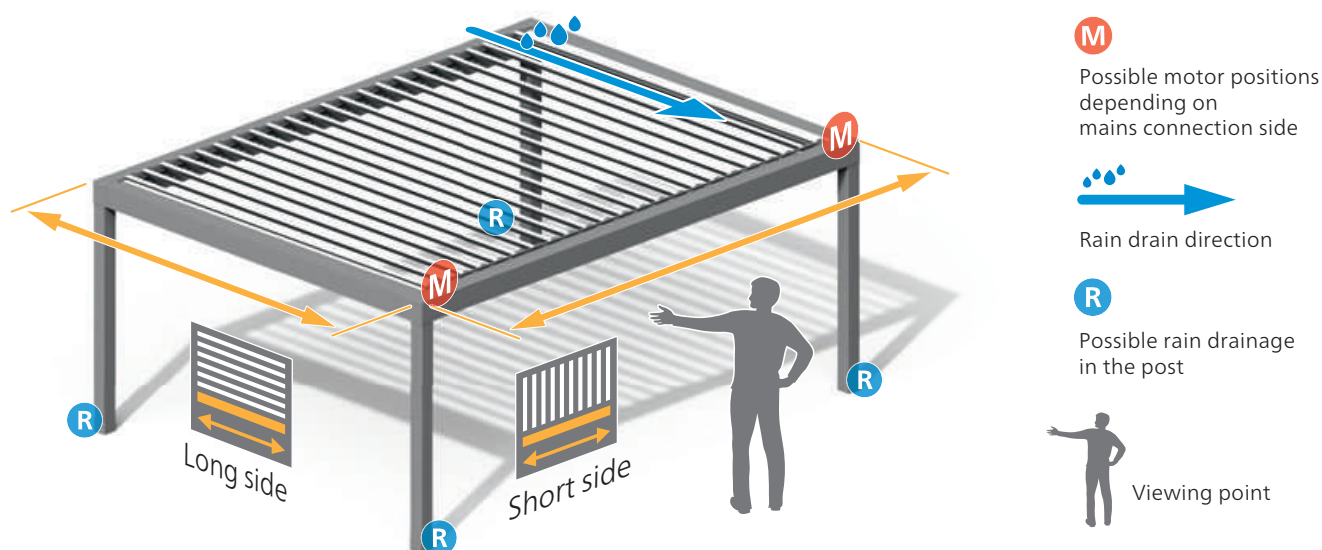
If the rainwater drain is towards the building wall, Artares must be planned accordingly rotated in front of the building wall.



Note:

It goes without saying that posts E2 and E3 can be on one wall. In this case, the rain drain direction is made in the direction of the wall. We recommend drainage away from the wall.

Artares configuration (coupling on short side)



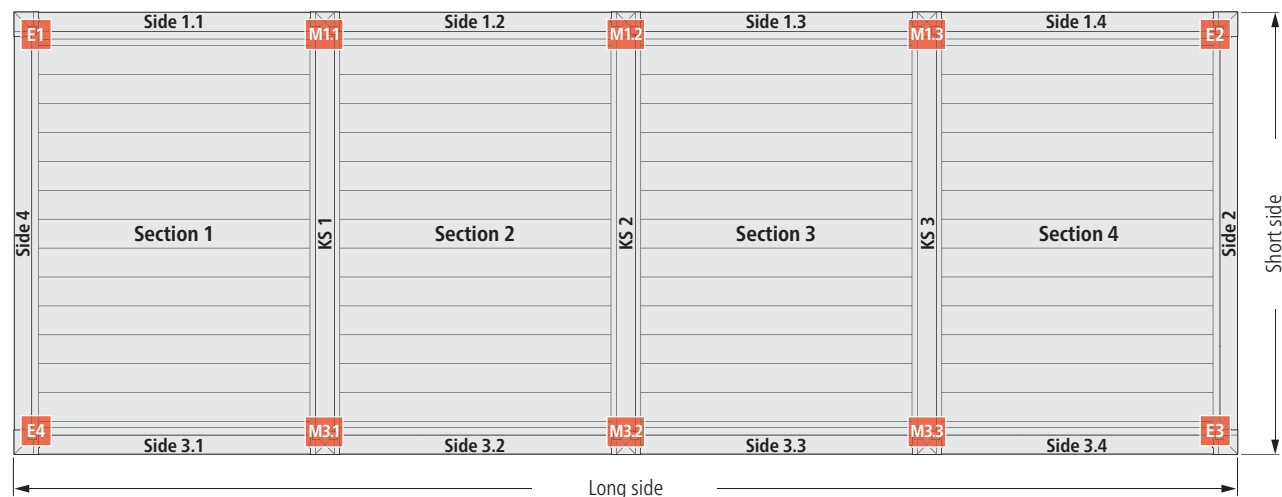
Viewing point

The viewing point is always on the rain drain side. At the same time, this is also the side on which the motor for the motor louvre is located.

* With vertical sun protection up to max. 2,600 mm

Coupling logic

Example: 4-section system, coupled on the short side

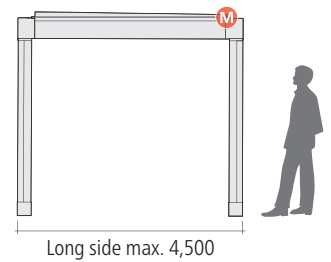
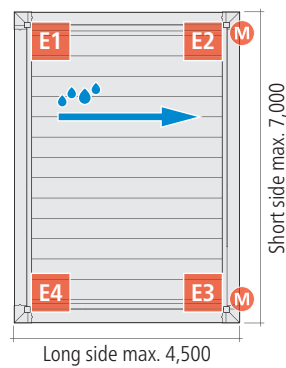
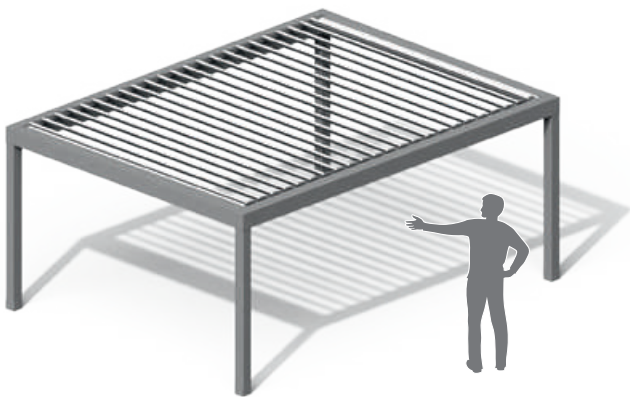


Artares configuration (coupling on short side)

Free-standing Artares

Artares can be installed free-standing: as a coupled system with up to four sections and a maximum length of 6,000 mm on the short side and 18,000 mm on the long side.

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	6,000 mm	9,000 mm
3-section unit	8 posts	6,000 mm	13,500 mm
4-section unit	10 posts	6,000 mm	18,000 mm



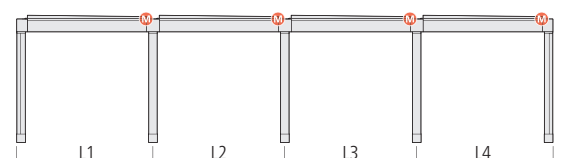
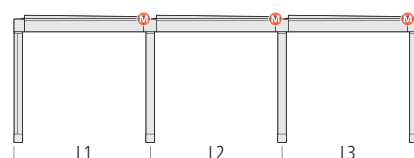
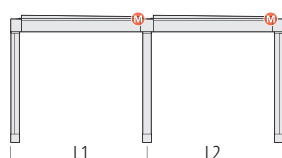
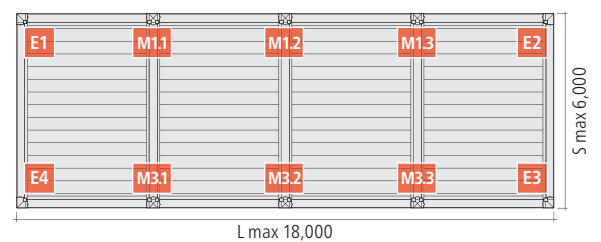
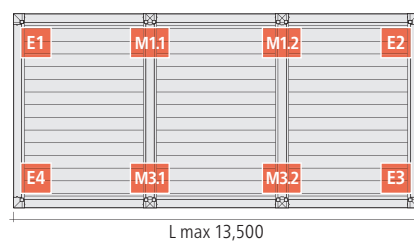
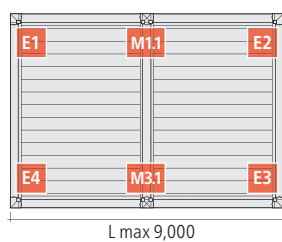
2-section unit



3-section unit



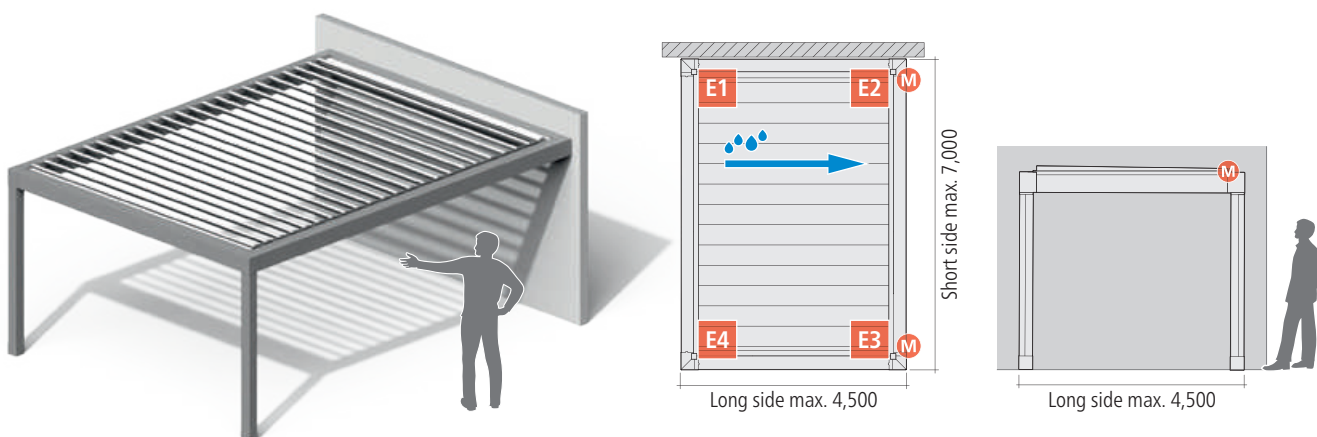
4-section unit



Artares configuration (coupling on short side)

Artares with wall connection profile on the long wall side

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	6,000 mm	9,000 mm
3-section unit	8 posts	6,000 mm	13,500 mm
4-section unit	10 posts	6,000 mm	18,000 mm



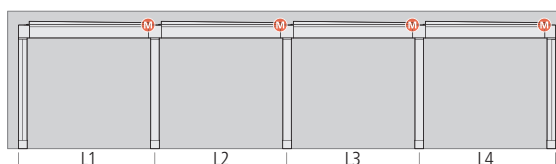
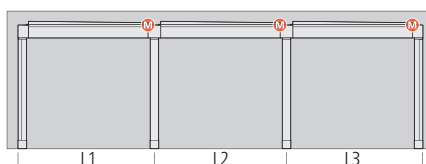
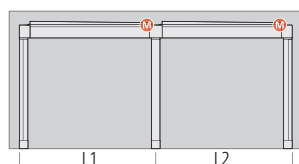
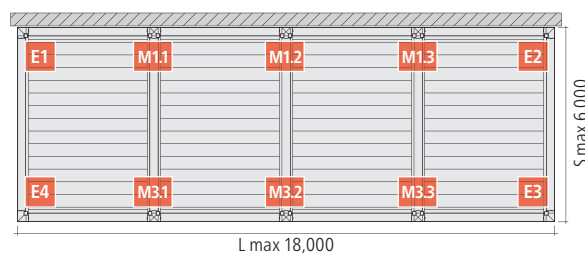
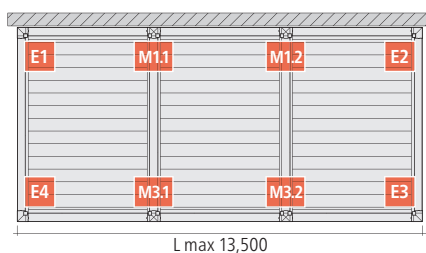
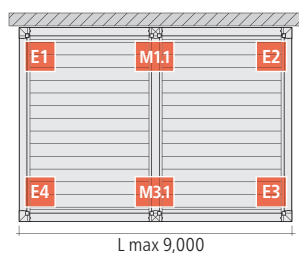
2-section unit



3-section unit



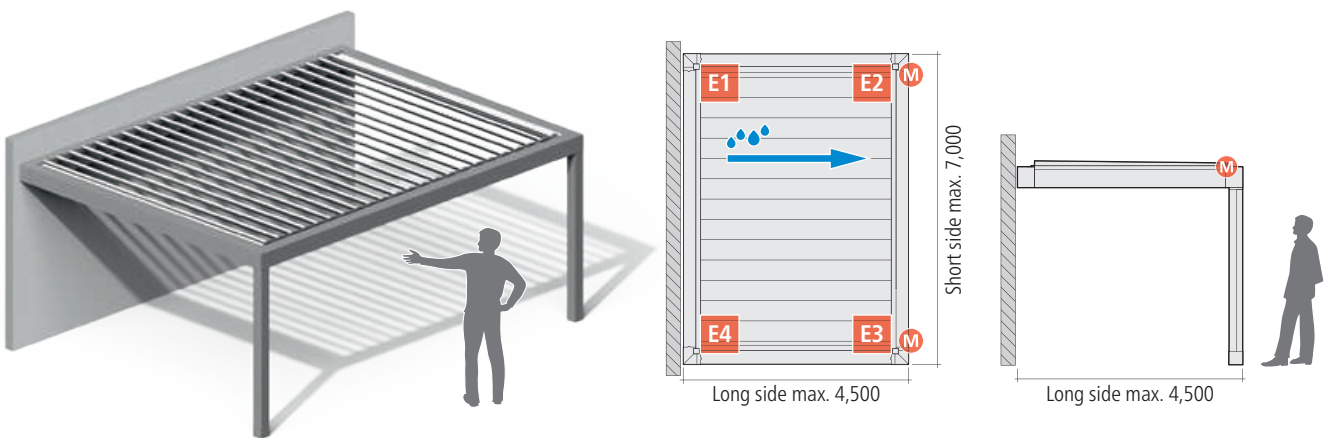
4-section unit



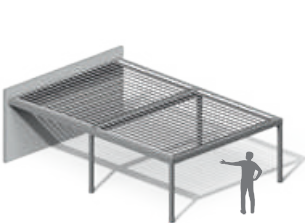
Artares configuration (coupling on short side)

Artares with wall connection profile on the short side

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	6,000 mm	9,000 mm
3-section unit	8 posts	6,000 mm	13,500 mm
4-section unit	10 posts	6,000 mm	18,000 mm



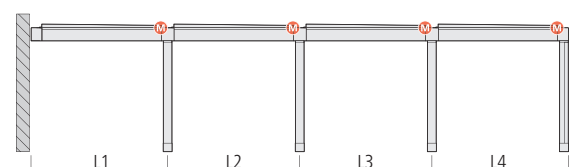
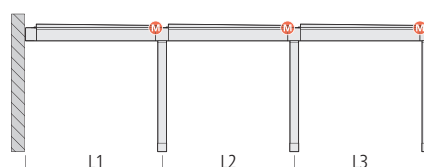
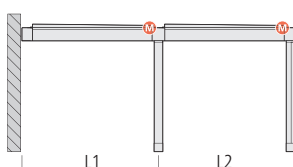
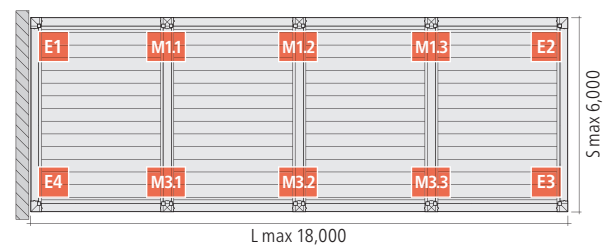
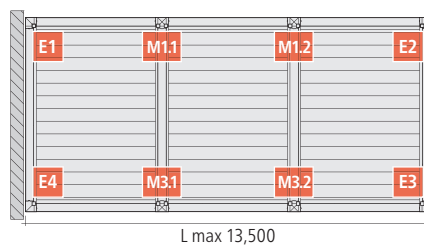
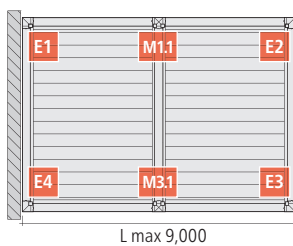
2-section unit



3-section unit



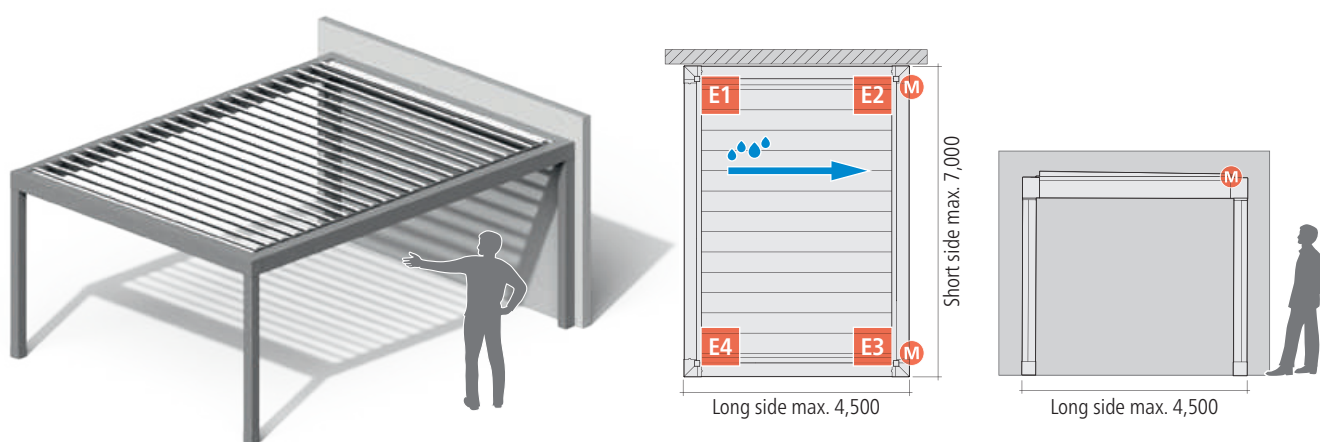
4-section unit



Artares configuration (coupling on short side)

Artares with wall post on the long wall side

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	6,000 mm	9,000 mm
3-section unit	8 posts	6,000 mm	13,500 mm
4-section unit	10 posts	6,000 mm	18,000 mm



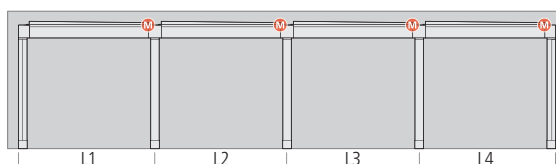
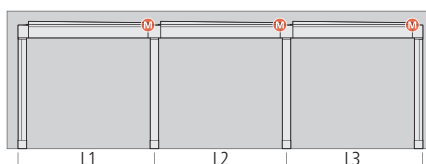
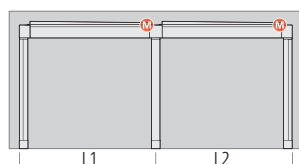
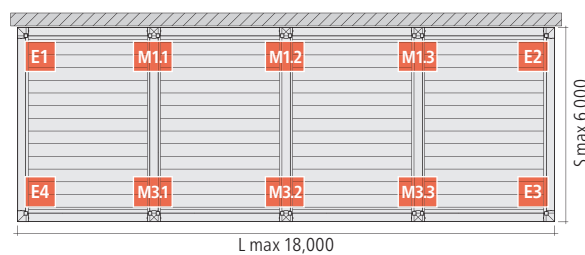
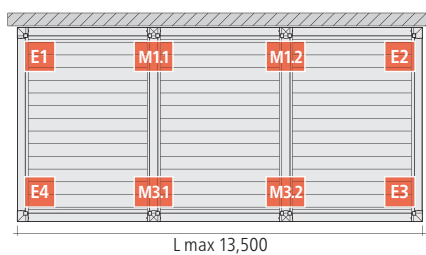
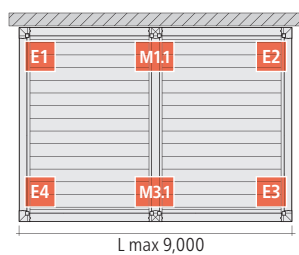
2-section unit



3-section unit



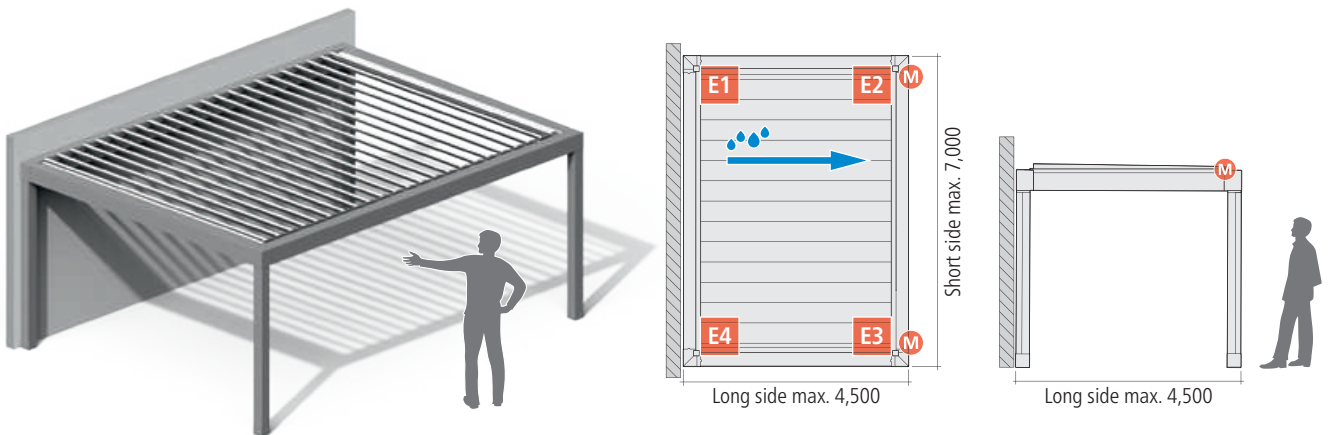
4-section unit



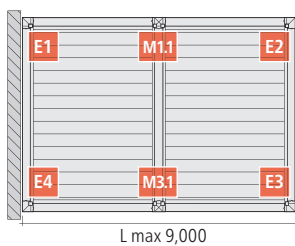
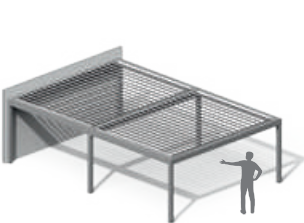
Artares configuration (coupling on short side)

Artares with wall post on the short wall side

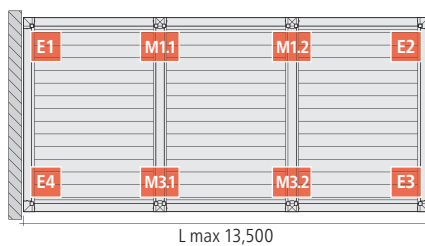
Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	6,000 mm	9,000 mm
3-section unit	8 posts	6,000 mm	13,500 mm
4-section unit	10 posts	6,000 mm	18,000 mm



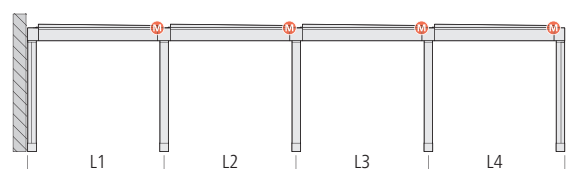
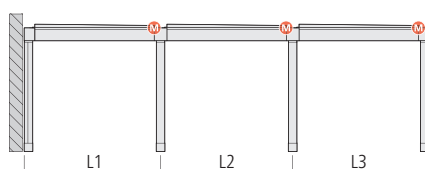
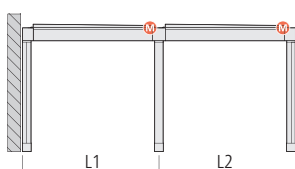
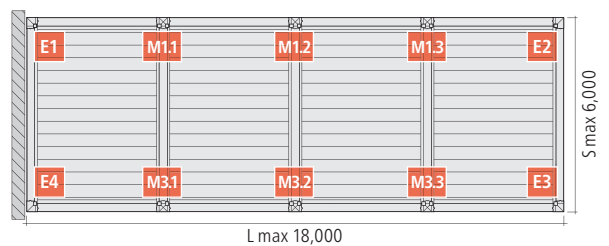
2-section unit



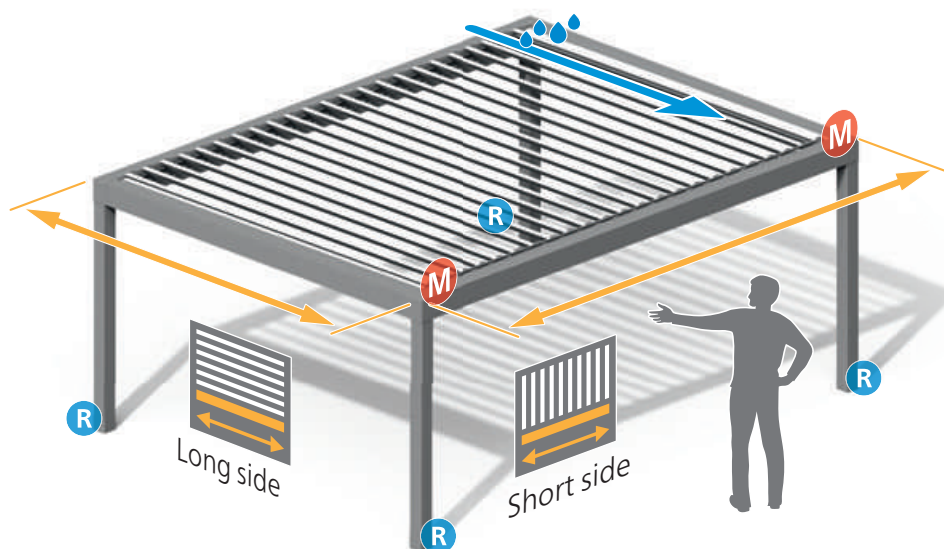
3-section unit



4-section unit



Artares configuration (coupling on the long side)



M

Possible motor positions depending on mains connection side

R

Possible rain drainage in the post



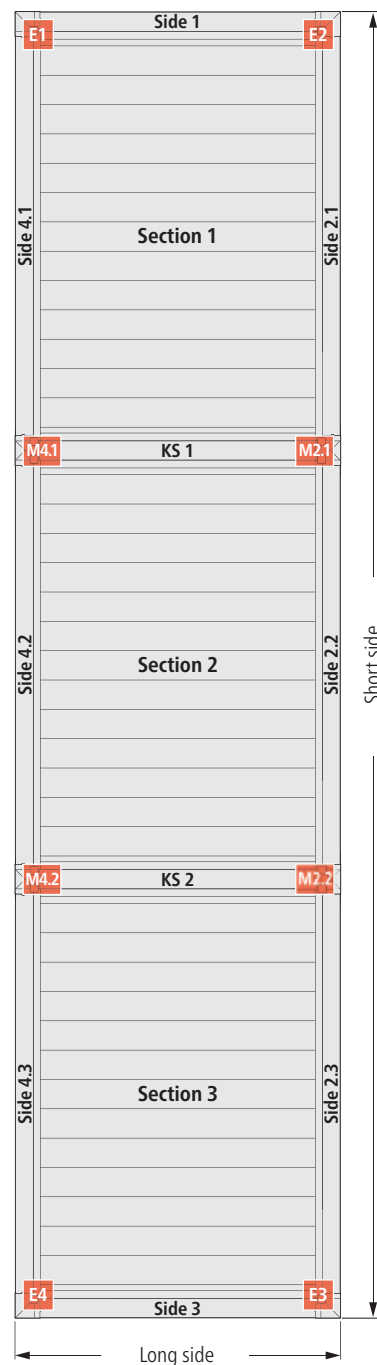
Rain drain direction



Viewing point

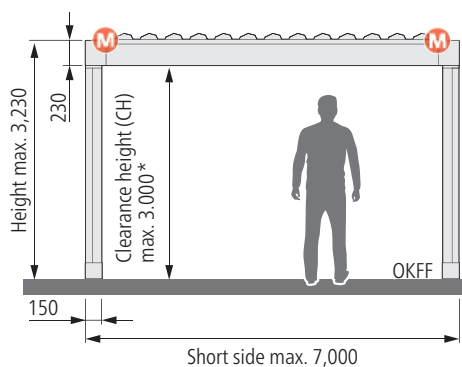
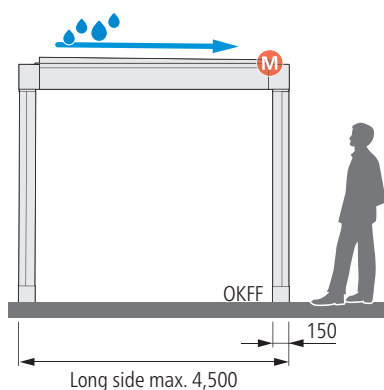
Coupling logic

Example: 3-section system, coupled on the long side



Viewing point

The viewing point is always on the rain drain side. At the same time, this is also the side on which the motor for the motor louvre is located.



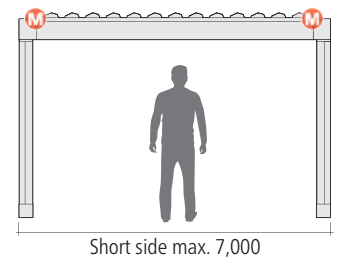
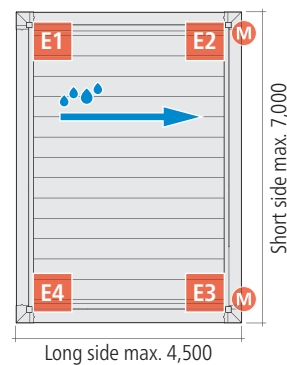
* With vertical sun protection up to max. 2,600 mm

Artares configuration (coupling on the long side)

Free-standing Artares

Artares can be installed free-standing: as a coupled system with up to four sections and a maximum length of 24,000 mm on the short side and 4,500 mm on the long side.

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	12,000 mm	4,500 mm
3-section unit	8 posts	18,000 mm	4,500 mm
4-section unit	10 posts	24,000 mm	4,500 mm



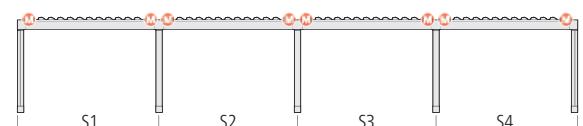
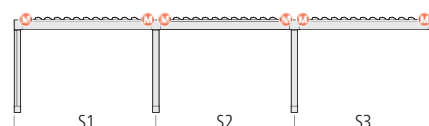
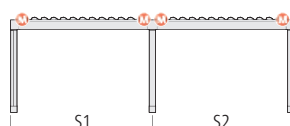
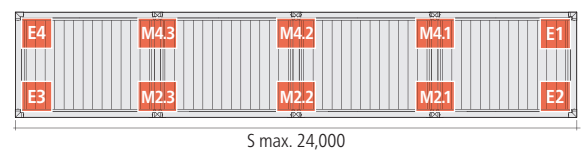
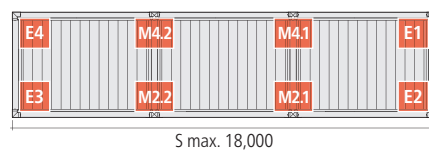
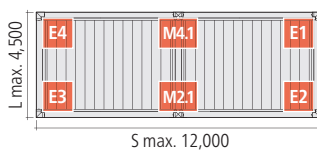
2-section unit



3-section unit



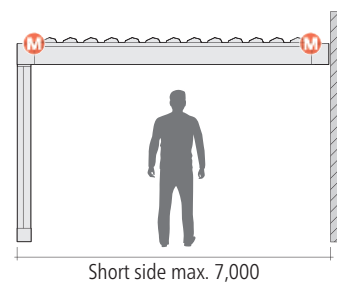
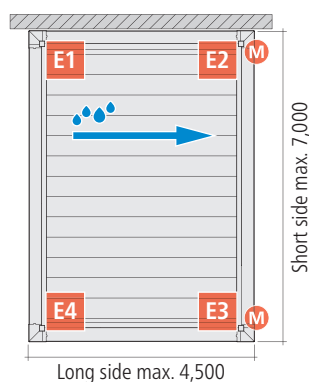
4-section unit



Artares configuration (coupling on the long side)

Artares with wall connection profile on the long wall side

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	2 posts, 1 wall connection profile	7,000 mm	4,500 mm
2-section unit	3 posts	12,000 mm	4,500 mm
3-section unit	4 posts	18,000 mm	4,500 mm
4-section unit	5 posts	24,000 mm	4,500 mm



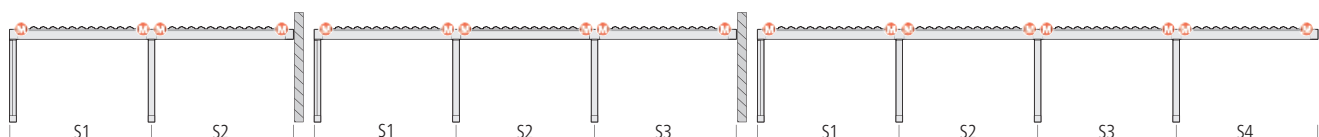
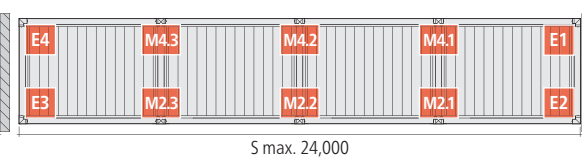
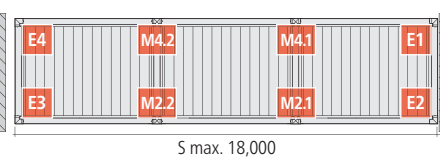
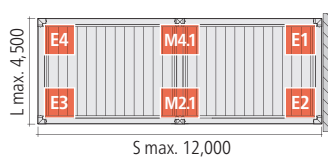
2-section unit



3-section unit



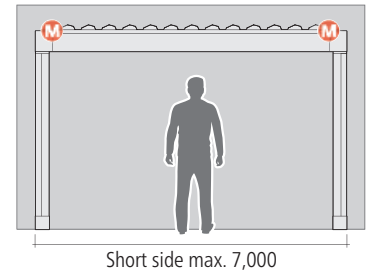
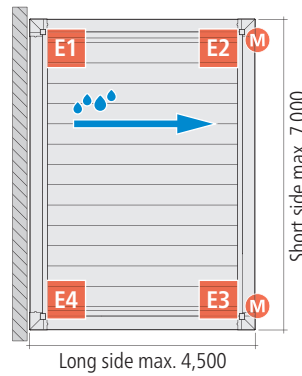
4-section unit



Artares configuration (coupling on the long side)

Artares with wall connection profile on the short wall side

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	2 posts	7,000 mm	4,500 mm
2-section unit	3 posts	12,000 mm	4,500 mm
3-section unit	4 posts	18,000 mm	4,500 mm
4-section unit	5 posts	24,000 mm	4,500 mm



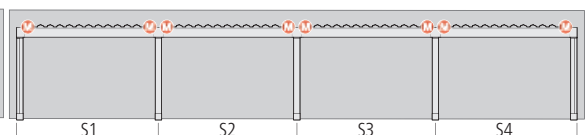
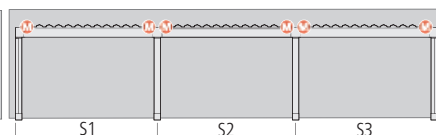
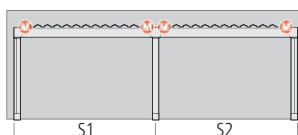
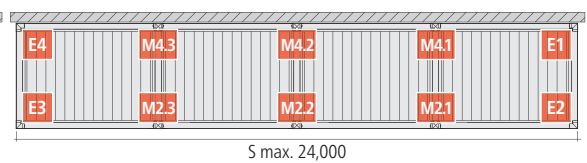
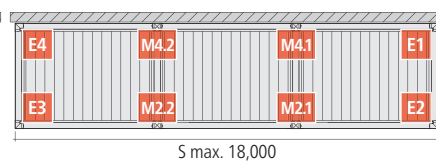
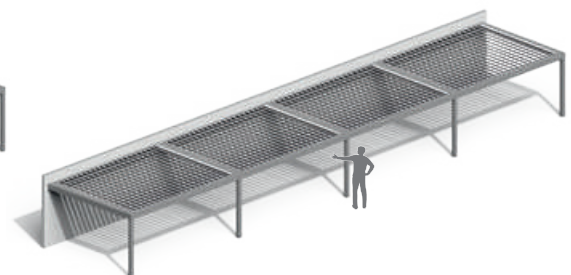
2-section unit



3-section unit



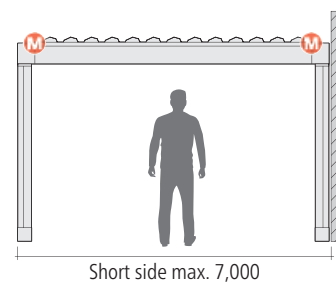
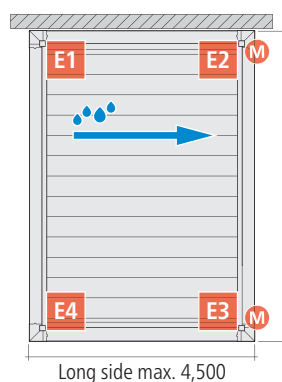
4-section unit



Artares configuration (coupling on the long side)

Artares with wall post on the long wall side

Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	12,000 mm	4,500 mm
3-section unit	8 posts	18,000 mm	4,500 mm
4-section unit	10 posts	24,000 mm	4,500 mm



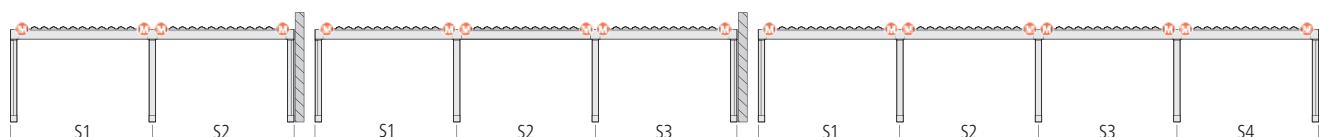
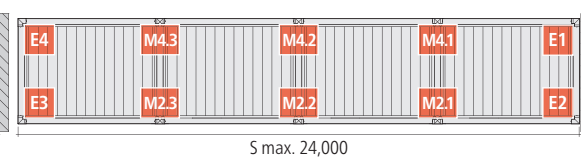
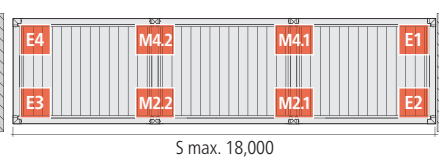
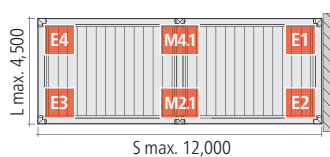
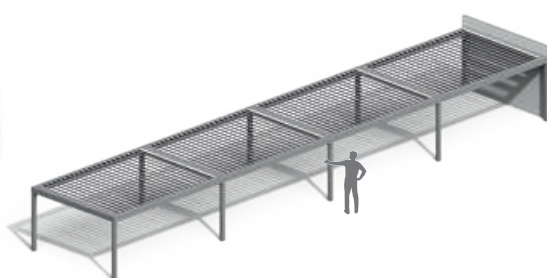
2-section unit



3-section unit



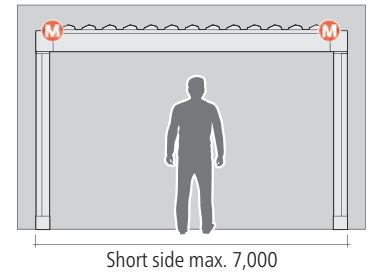
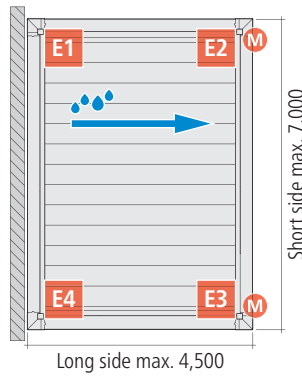
4-section unit



Artares configuration (coupling on the long side)

Artares with wall post on the short wall side

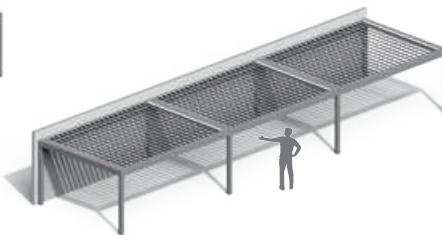
Artares	Number of posts	Short side (max. length)	Long side max. (max. length)
1-section unit	4 posts	7,000 mm	4,500 mm
2-section unit	6 posts	12,000 mm	4,500 mm
3-section unit	8 posts	18,000 mm	4,500 mm
4-section unit	10 posts	24,000 mm	4,500 mm



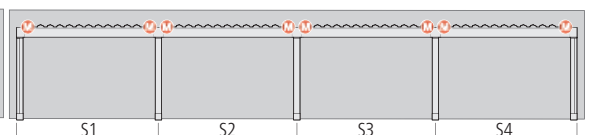
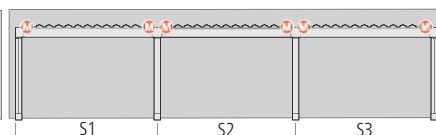
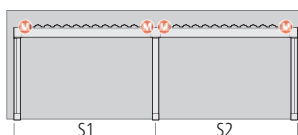
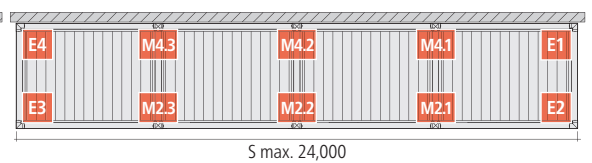
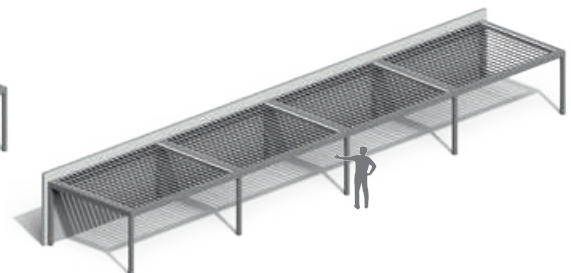
2-section unit



3-section unit



4-section unit



Wall profile



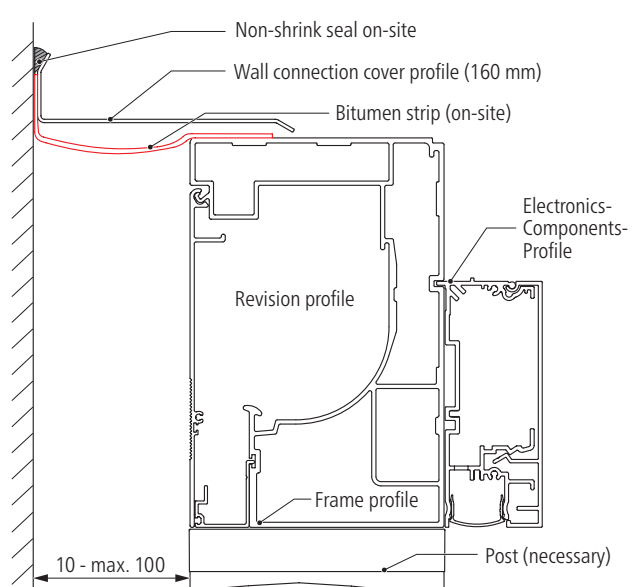
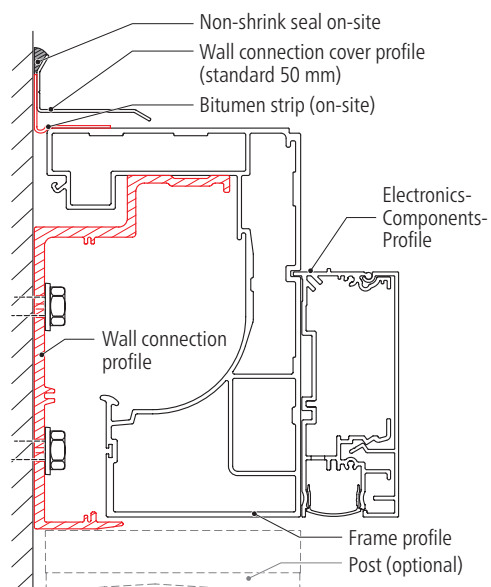
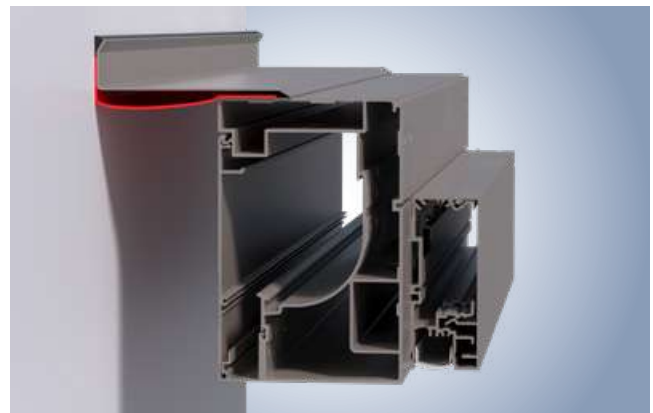
Wall profile for short side

The louvred roof Artares is conveniently and sturdily installed on a wall, using the wall connection profile screwed onto the wall (load-bearing). The wall connection profile compensates approx. 10 mm installation tolerance to the frame profile.

Artares wall connection profile (load-bearing)



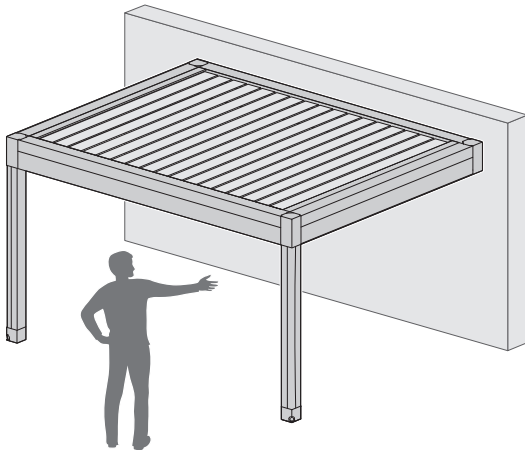
Free-standing Artares by the wall with wall offset



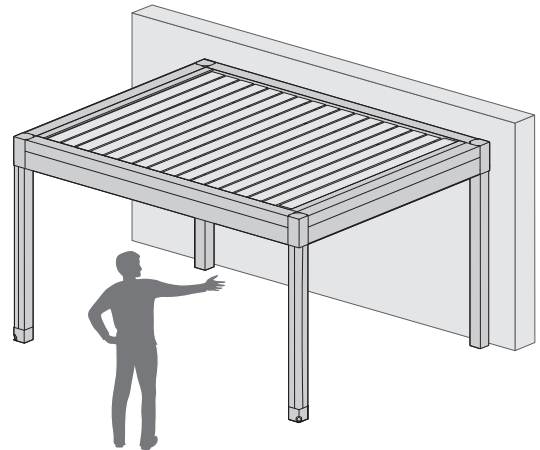
Wall profile

Wall profile for Artares

The louvred roof Artares can be installed on a wall from all sides and provides the fitting solution for several requirements.

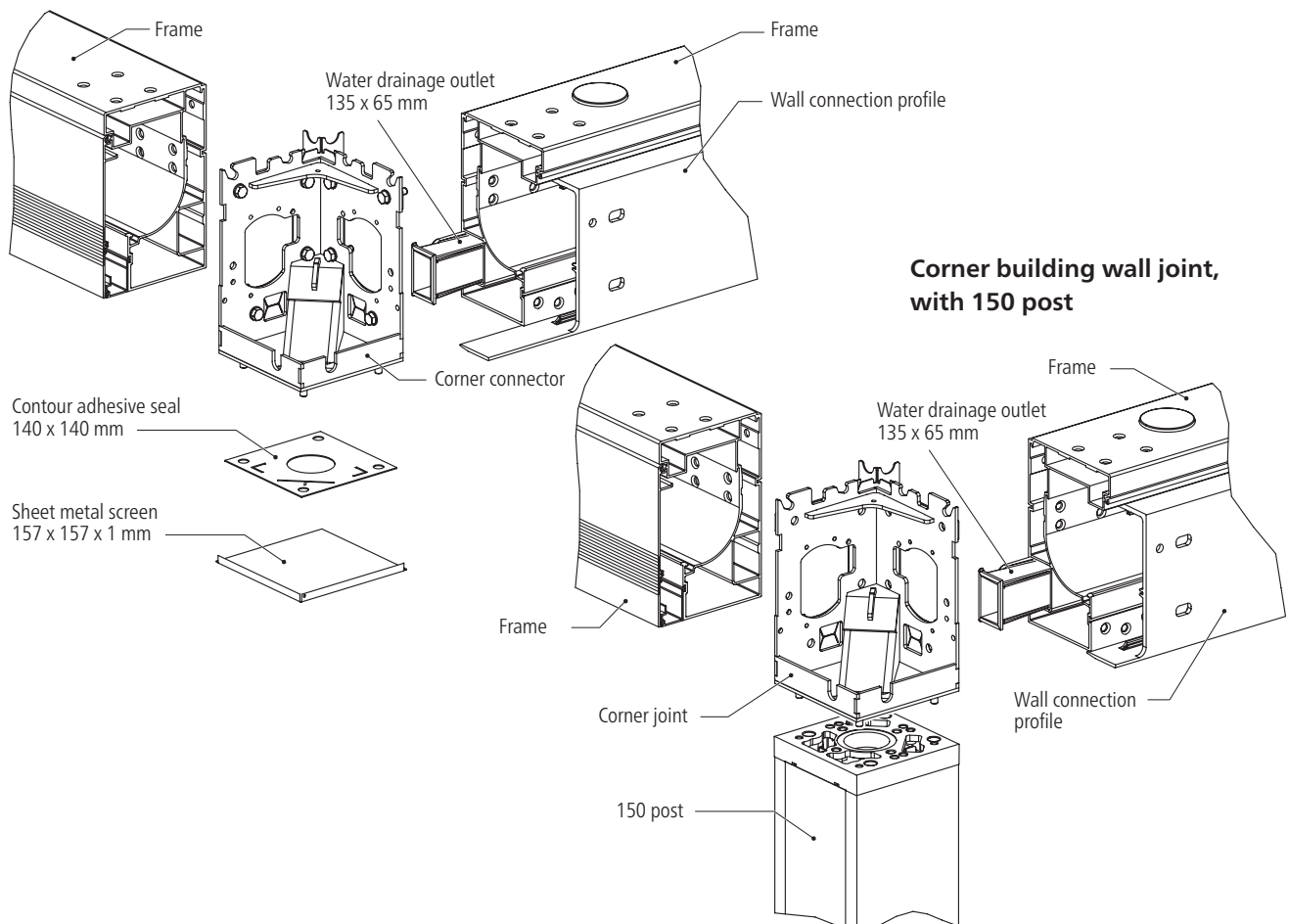


Short wall side (2 posts)



Short wall side (4 posts)

Corner joint on building wall, closed at the bottom (without posts)



Bioclimatic properties

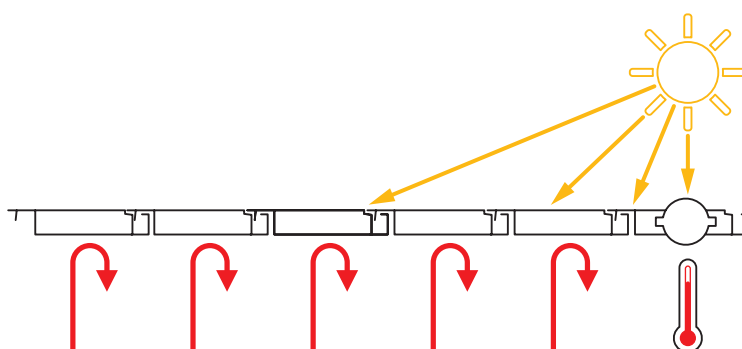


Natural climate control

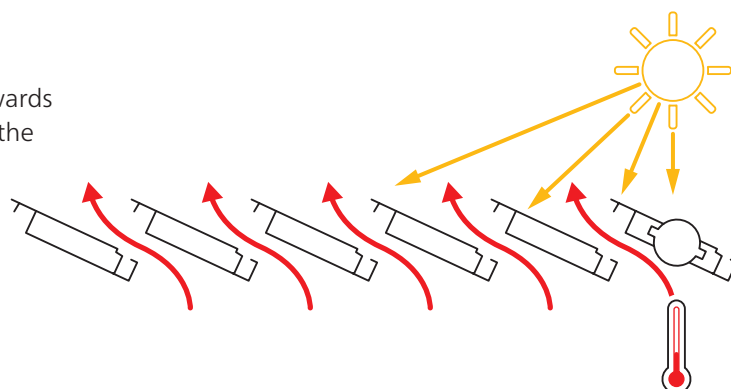
Artares offers excellent bioclimatic properties. Thanks to newly developed motor technology, the louvres can be opened and closed fast up to 140° and with little noise. Already when the louvres are opened slightly, natural ventilation arises because the heat can escape upwards.

At the same time, the louvres can be positioned so that the sun protection is always ideal. The louvres are simply closed on cooler evenings and the louvred roof stores the residual heat from the day. This ensures an excellent climate under the louvred roof.

If the louvres are closed, the heat remains under the louvred roof. This primarily makes sense if it is somewhat cooler on the patio in the evening.



Once the louvres are opened, the heat escapes upwards naturally. This prevents a build-up of heat beneath the louvred roof.



Note:



Ideally, the louvres are installed so that they open towards the sun. If so, when slightly open, the best possible shade is formed at the same time. Otherwise, the louvre must be extended beyond 90° in order to achieve ventilation and maximise shade.

Shadow casting

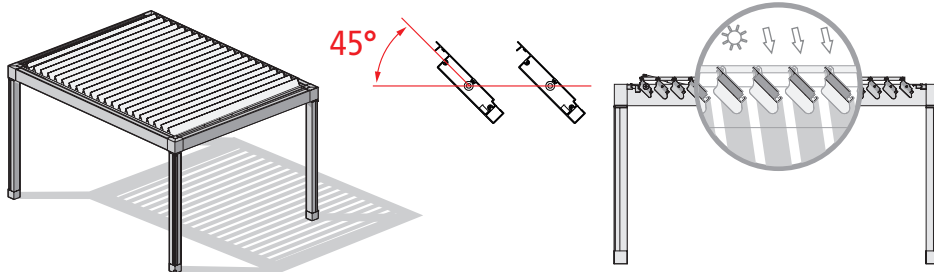


Shadow casting

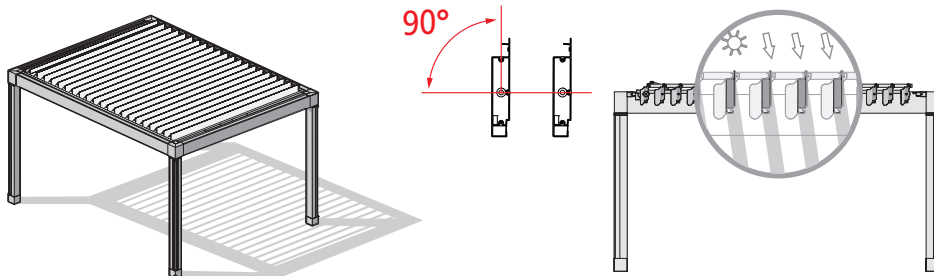
Depending on the compass direction, light ingress can be easily controlled by adjusting the position of the louvers. When the angle of incidence changes, the shadow effect changes accordingly.



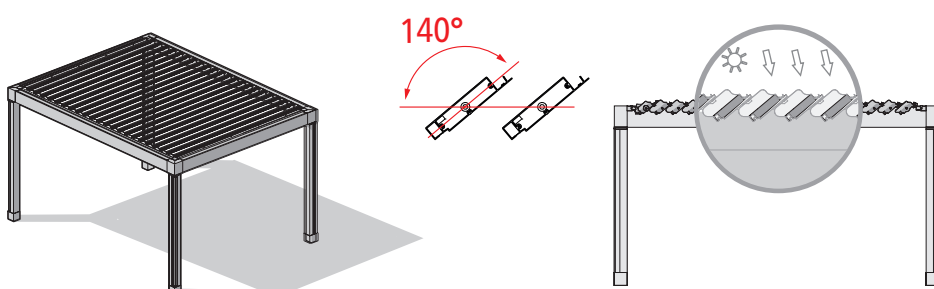
Light incidence during the midday period in summer



If the louvres are slightly open, you can regulate the ingress of sunlight.



If the louvres are opened wide, this generates a high ingress of light.



If the louvres are fully rotated, this generates the most extensive and effective shade.

Innovative louvred roof



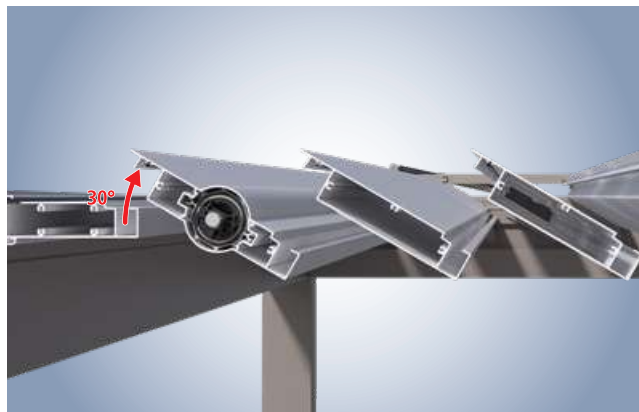
Louvre rotation

Thanks to newly developed motor technology, the louvres can be opened quickly and moved to the desired position quietly and steplessly. Therefore, ideal shadow casting is generated in accordance with the louvre position and alignment with the compass direction.

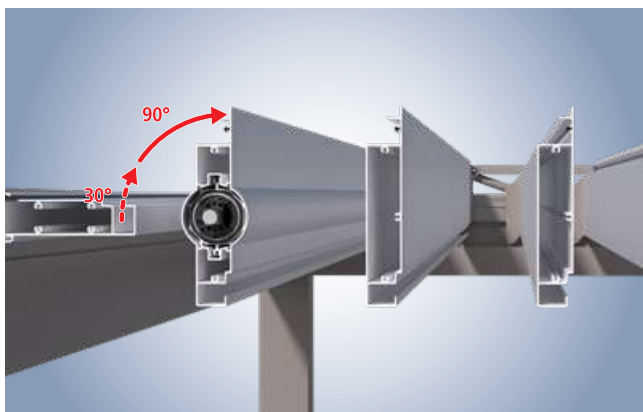
Louvre closed



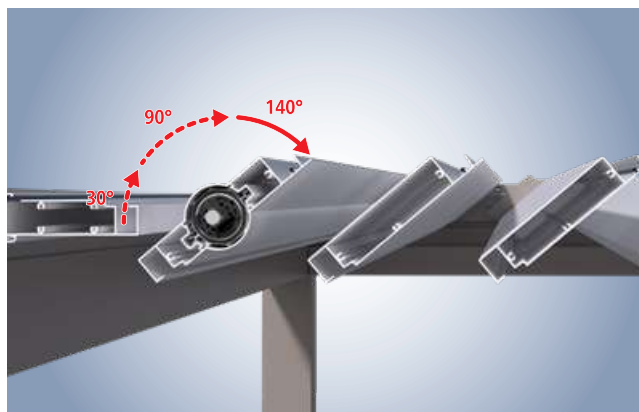
Louvre 30° opening



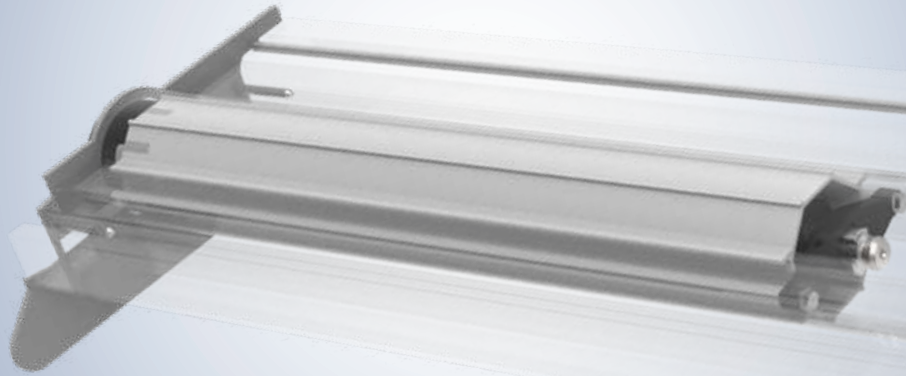
Louvre 90° opening



Louvre 140° opening



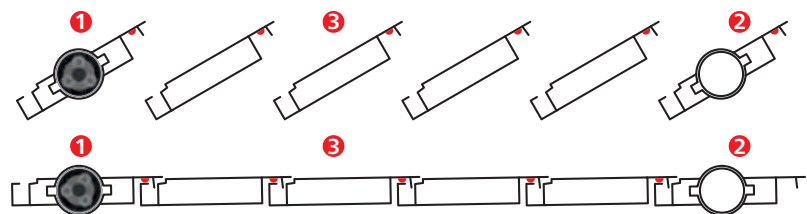
Innovative louvred roof



Strong drive

The top-performing tubular motor in the motor louvre ensures even and fast louvre rotation.

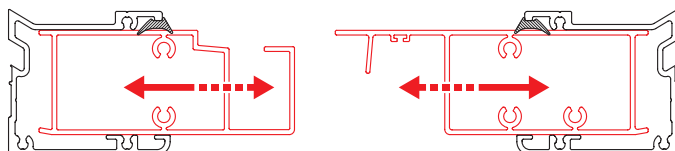
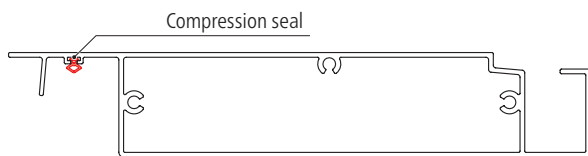
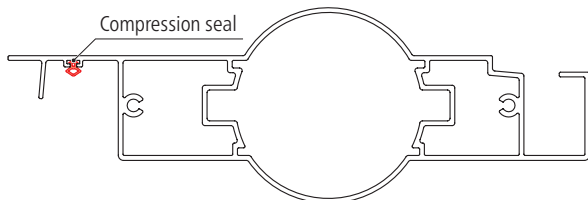
A static louvre exists on both long sides and can be equipped with a tubular motor. The tubular motor is integrated on-site at the location closest to the power connection.



❶ Static louvre with motor ❷ Static louvre ❸ Standard louvre

Compression seal

The compression seal ensures low-noise closing and good sealing between the louvres. Despite this compensation, neighbouring louvres may appear slightly stepped, however this doesn't impair the function at all.



Static louvre (with or without motor)

The static louvre is always located on both sides and its shape provides high stability in case of lateral interfering wind loads.

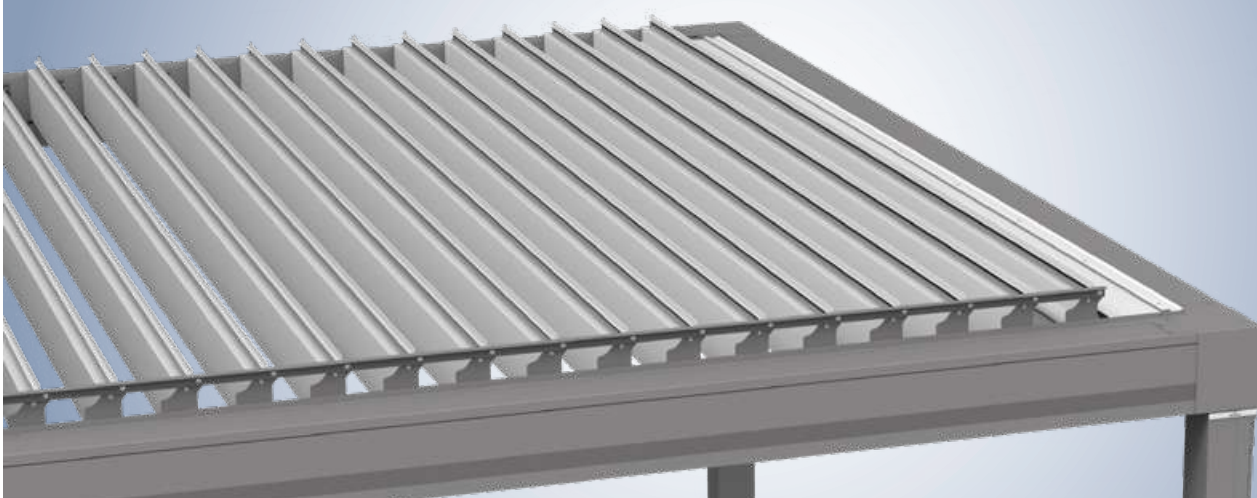
Standard louvre

When closed, the standard louvres provide a uniform surface and look.

Compensation louvres

Due to their adjustability, they ensure that all intermediate dimensions can be ordered to the millimetre.

Drive rod and damper



Drive rod

The drive rod connects all the louvres and enables movement via stainless steel bolts in high-quality plastic bushing. It ensures durability and quiet running.

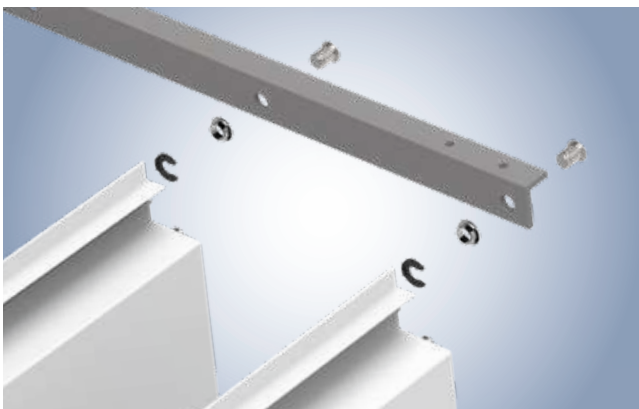


Damper

The damper ensures effective louvre counterpressure and hinders rattling in the wind.

Louvre mounting

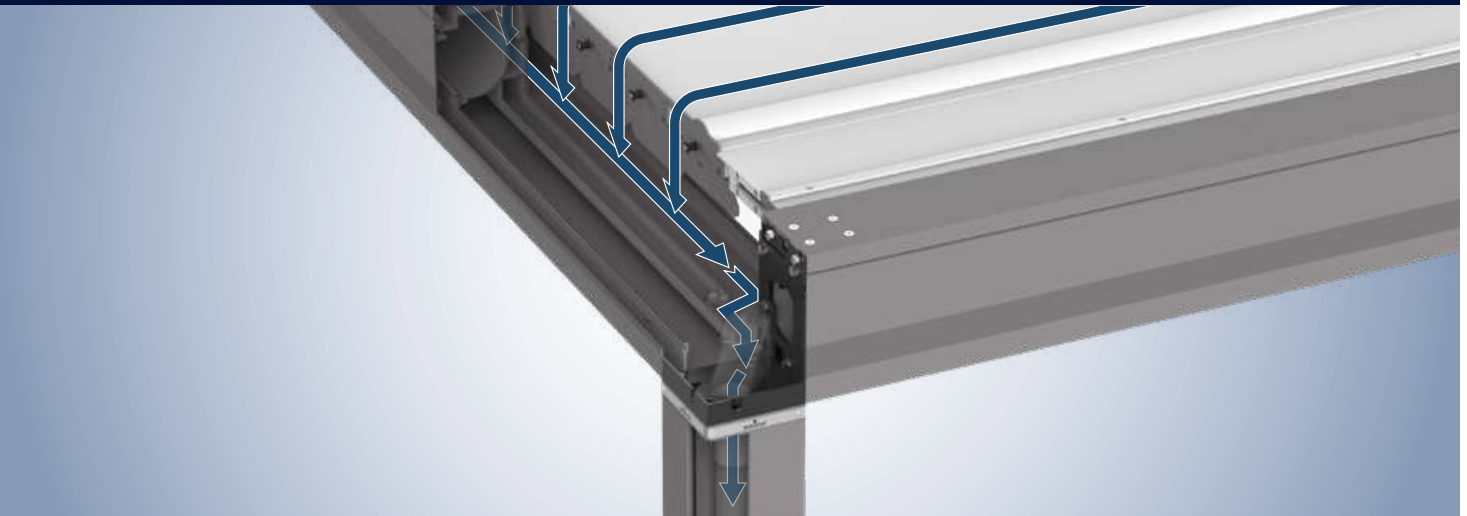
The louvres are held by durable, stable stainless steel bolts and plastic bushing and ensure quiet running.



Note:

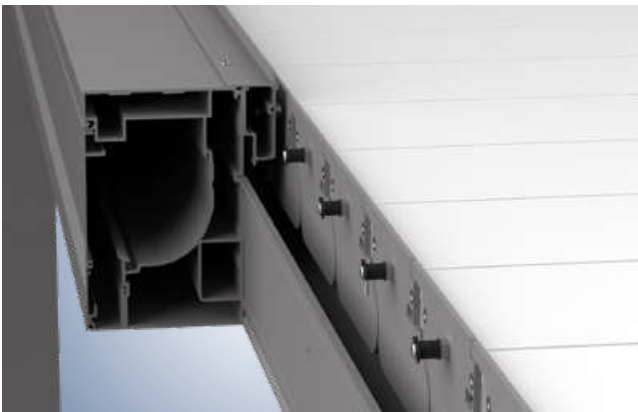
Despite state-of-the-art manufacturing processes, slight tolerances (± 2 mm) cannot always be avoided when the louvres are closed. Depending on the louvre colour and angle of view, they may be visible as a slight offset.

Rainwater drainage

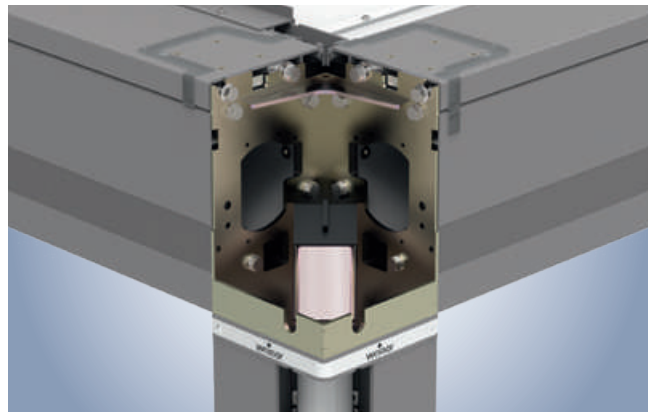


Rainwater drainage on the louvred roof

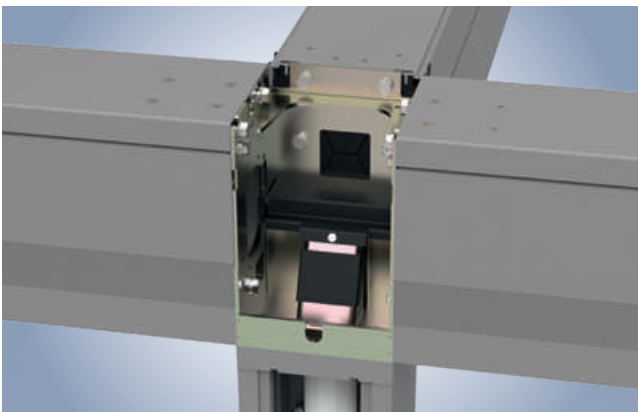
The water is guided via the guttering to the corner joint and then into the subtly integrated downpipe through the post.



Drainage via the guttering



Drainage via the corner joint

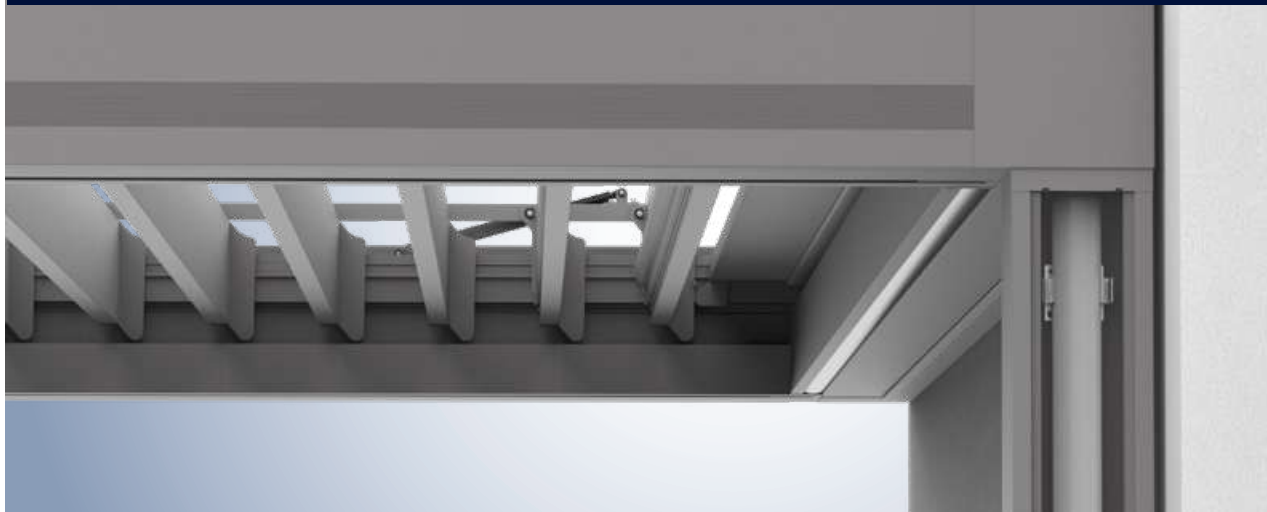


Drainage at the coupling point



The post can easily be opened for maintenance of the integrated downpipe

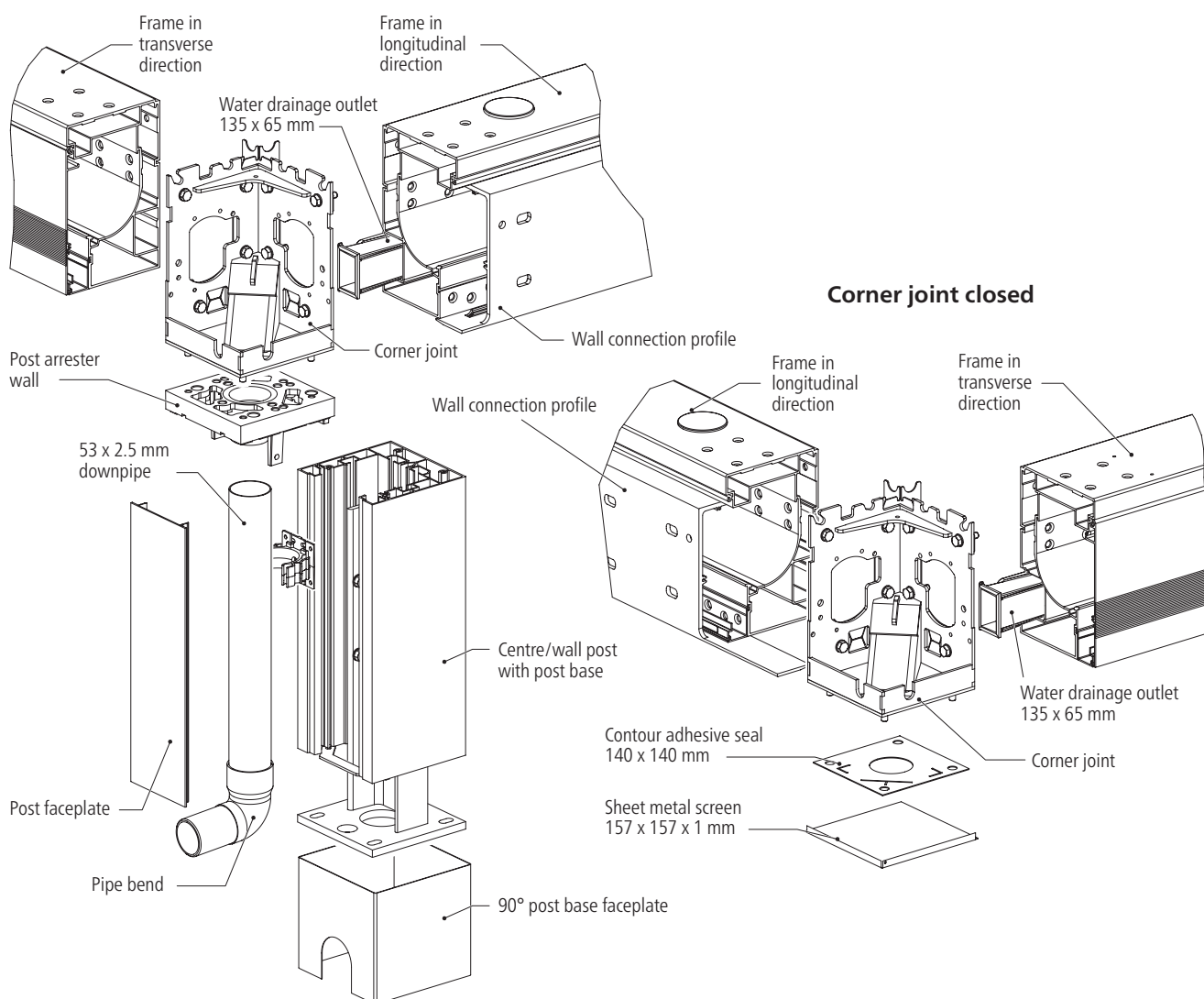
Rain drain on wall profile



Water drainage at the wall profile

A centre/wall post enables visually inconspicuous draining off of rainwater. This is also optionally available with an open downpipe set.

Open corner joint with drainage through the post (standard)



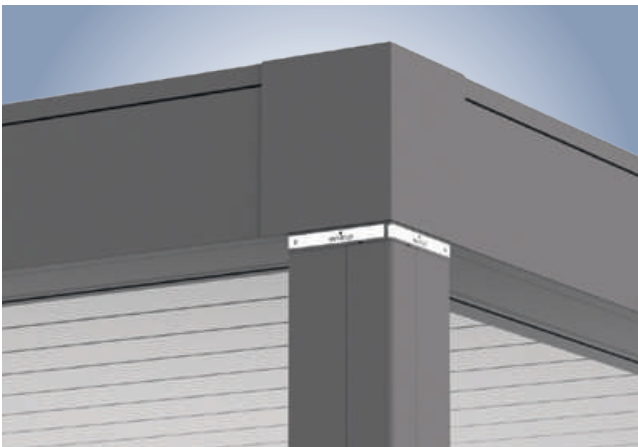
Artares frame (fascia)



Frame with engraving design (standard)

Fascia in two stylish design versions

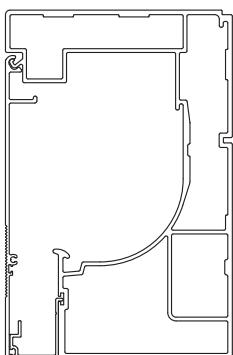
As a standard, the fascia is equipped with the distinctive engraving design. If you prefer it more puristic, select the optional plain design with a smooth faceplate.



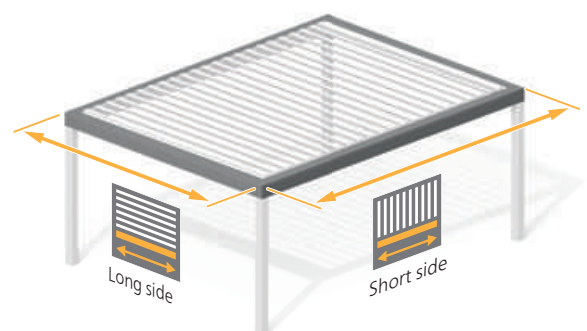
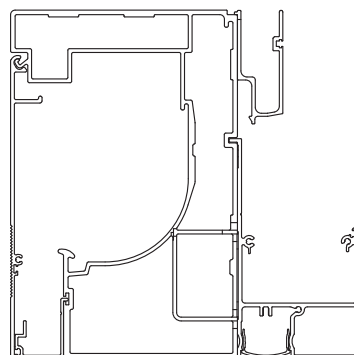
Plain design frame (optional)

The statically highly durable frame construction and the corner joint connection ensure particularly good stability.

Frame long side



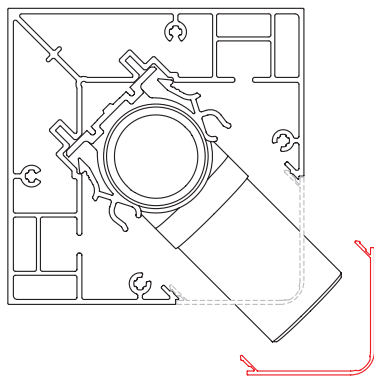
Frame short side
with rain gutter



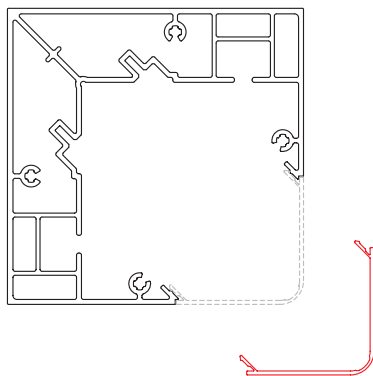
Posts

Post (standard design)

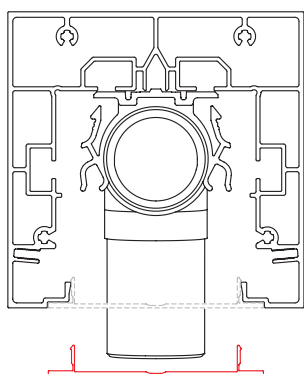
The Artares posts are designed with a continuous post faceplate as standard.



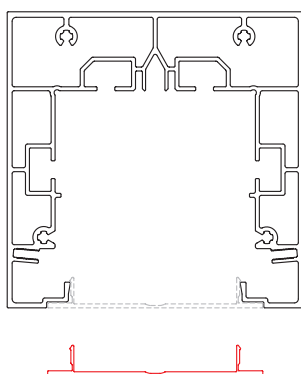
External post with drain accessories



External post



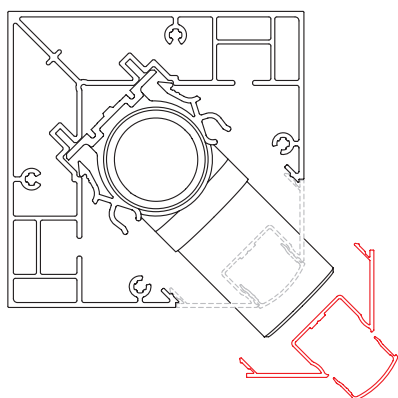
Centre/wall post with drain accessories



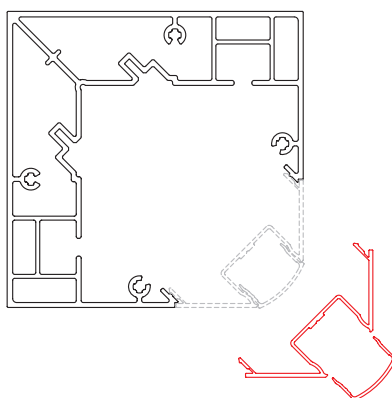
Centre post / wall

Post with decorative strip (optional)

Optionally, the posts can be fitted with coloured decorative strips. No decorative strips can be fitted in the centre or wall post.



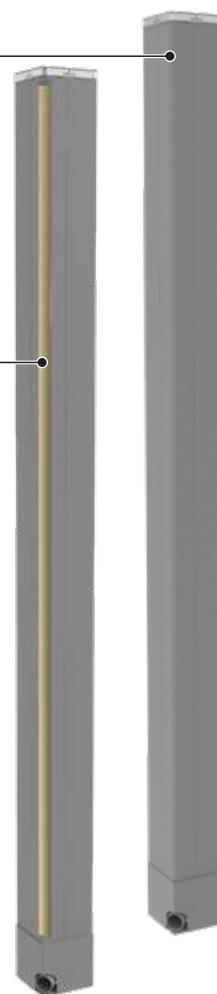
External post with drain accessories



External post

Post (standard design)

Post with decorative strip



Note:

For the individual drainage version, the position and length of the decorative strip must be adapted during installation.

Post – exclusive decorative strips

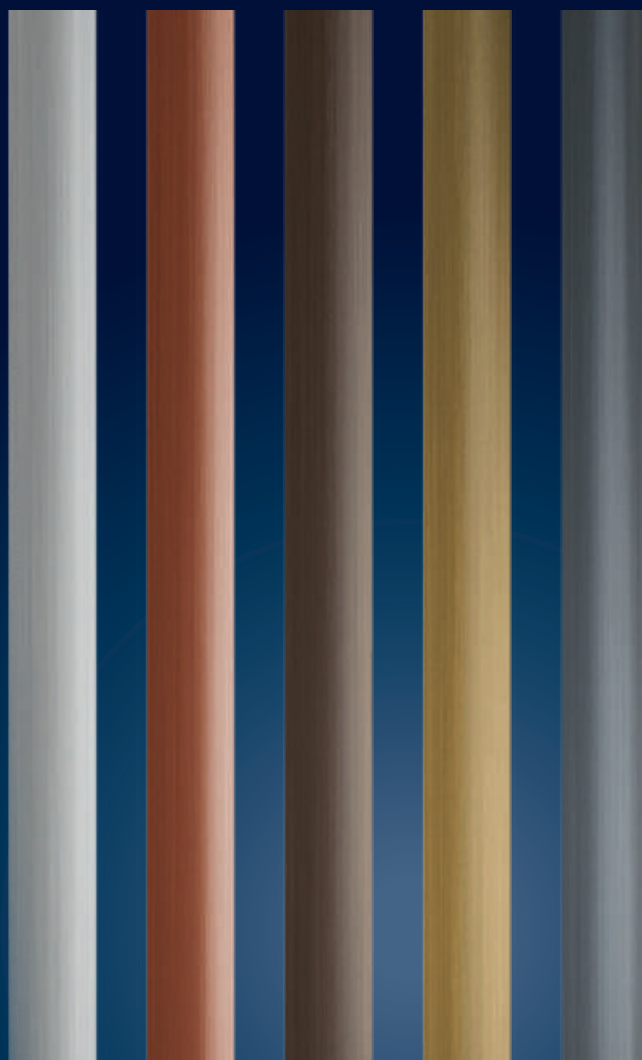


Only one decorative colour can be chosen per louvred roof, it is not possible to combine colours

With the 5 decorative strips (silver aluminium, copper aluminium, brown aluminium, brass aluminium and anthracite aluminium) you can break totally new ground when designing your customer's outdoor living space. The anodised aluminium material provides the customer's Artares louvred roof an elegant look.

The decorative strips can be integrated:

- Across the entire length of the posts' outsides
- On the underside of the fascia



Silver alu

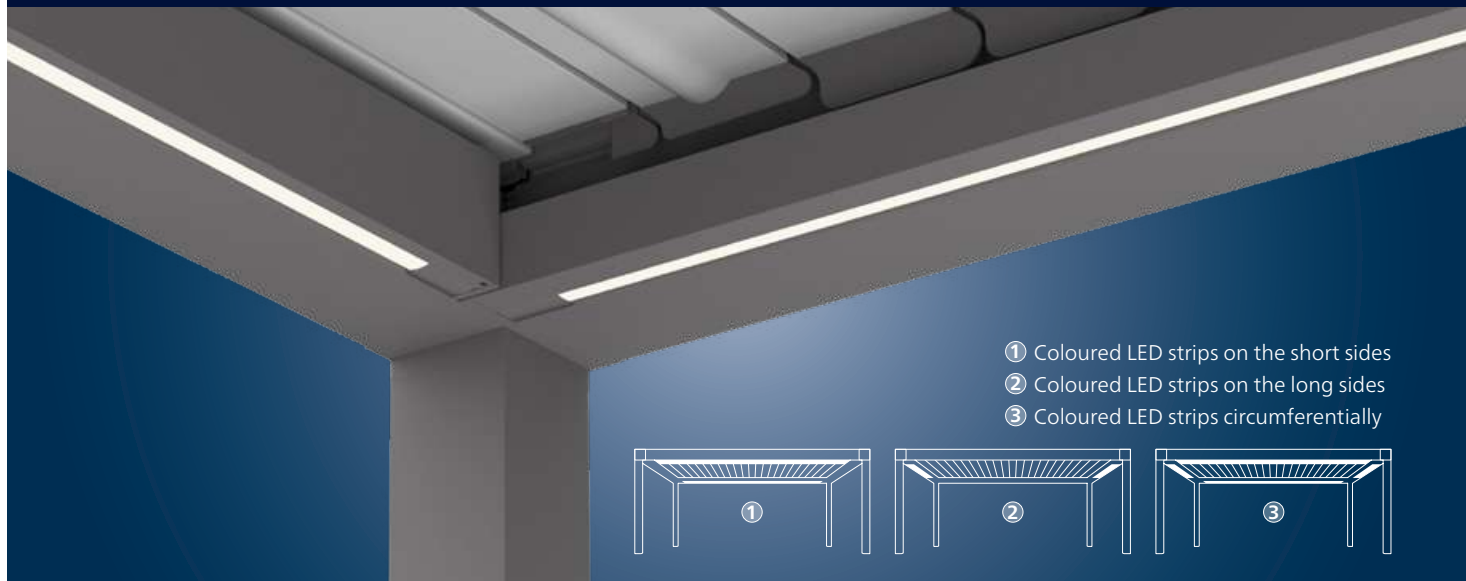
Copper alu

Brown alu

Brass alu

Anthracite alu

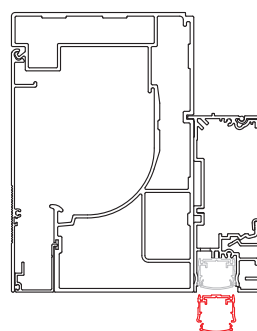
LED light options



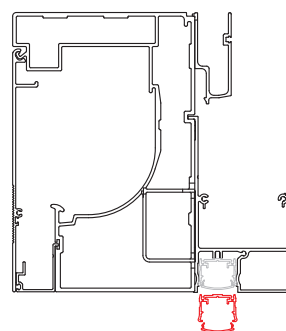
LED options at the bottom of the fascia

The fascia can be equipped on the individual frame sides, but also circumferentially, with high-quality coloured LED strips on the lower side.

3 white shades and 48 colour shades of the coloured LED strip



Frame long side with RGB module

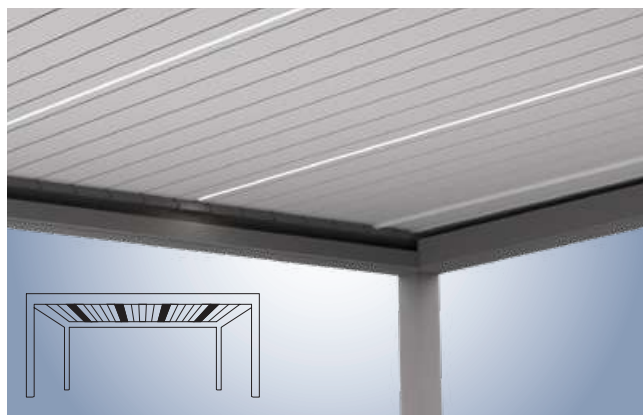


Frame short side with rain gutter and RGB module

LED options in the louvre

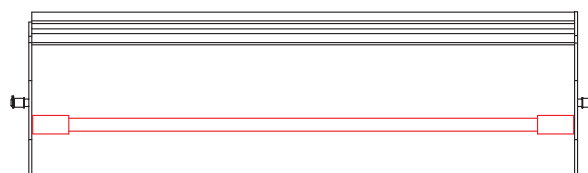
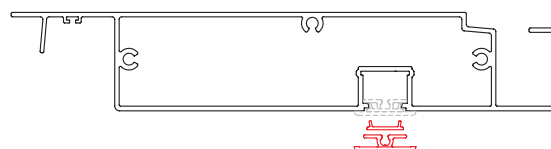
The warm white LED lighting is integrated in the louvres. A maximum of four louvres per section can be implemented. They can be positioned flexibly when ordering. Exception: For stability reasons, no two consecutive

louvres may be lit. The positioning of the light louvres can be changed again on-site during installation (plus/minus 3 louvres).



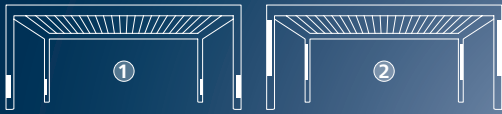
LED strips with warm-white light in the louvres

LED louvre

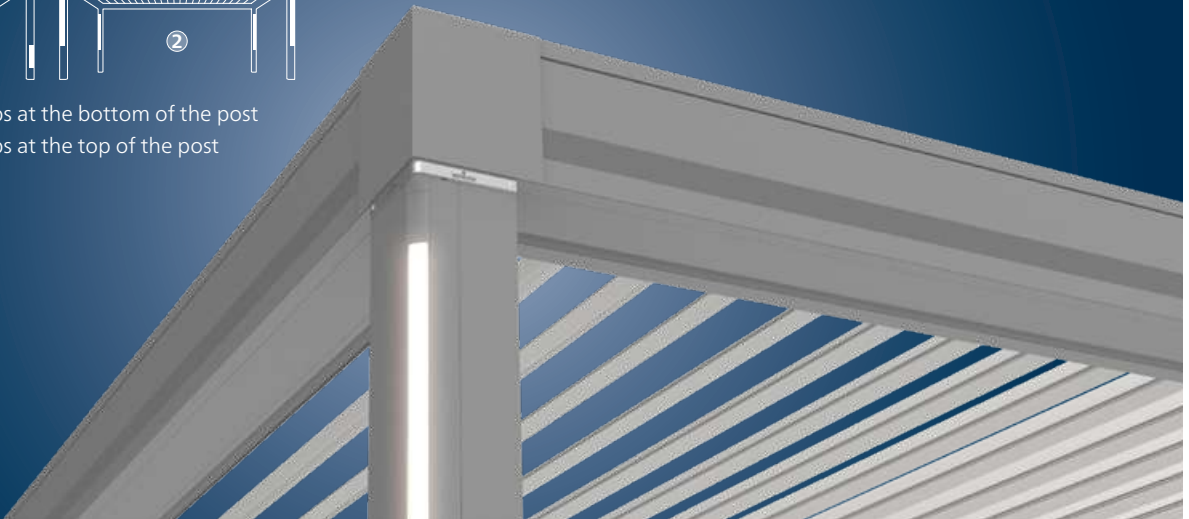


Standard louvre with integrated LED strip in the profile (not centred)

LED light options

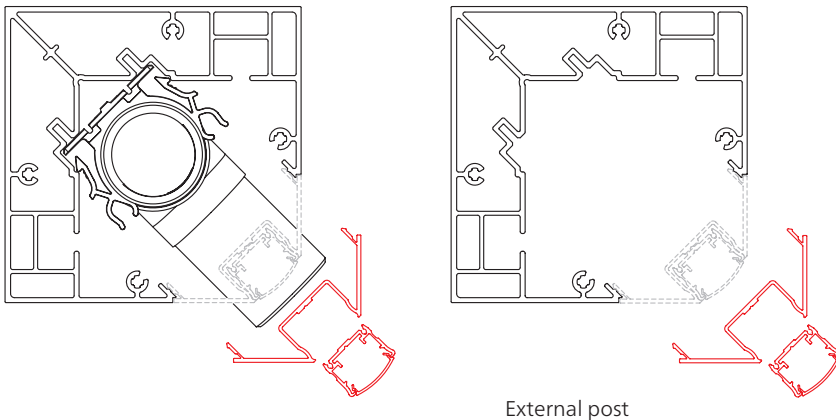


- ① Coloured LED strips at the bottom of the post
- ② Coloured LED strips at the top of the post



LED options in the posts

The external posts can be fitted externally with high-quality coloured LED strips as an option.



Coloured LED strip
1600 mm at the top

Coloured LED strip
400 mm at the bottom

Min.
300 mm

Information:

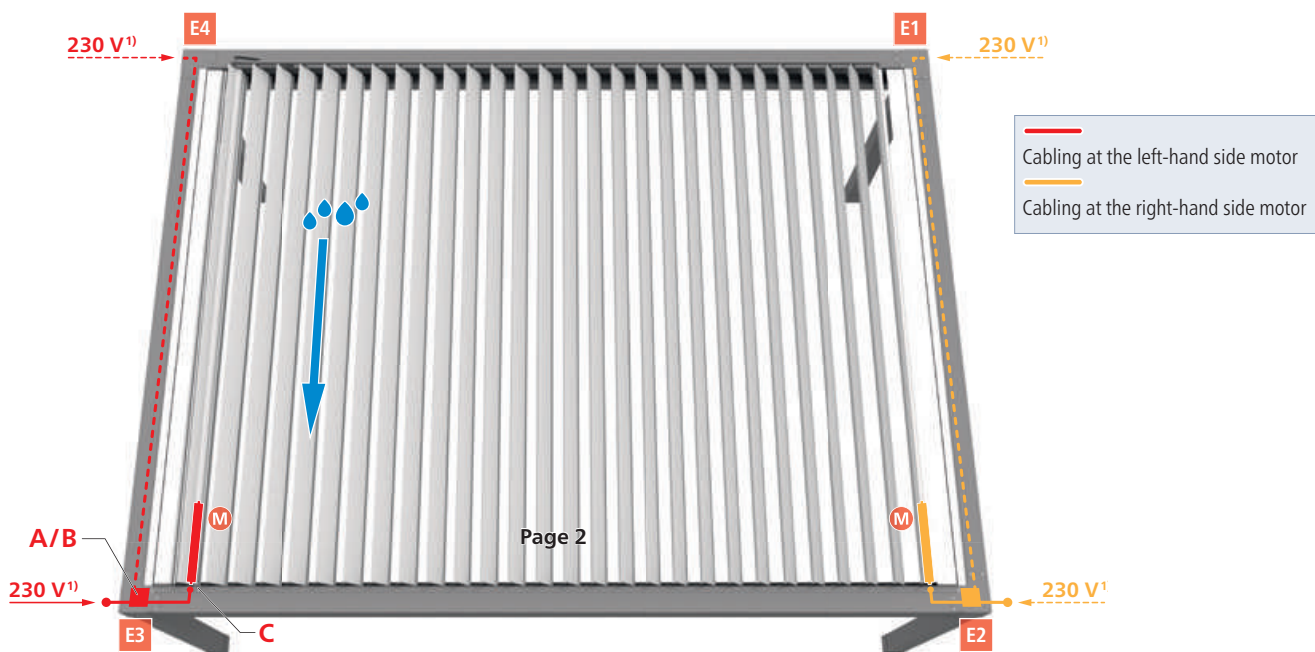
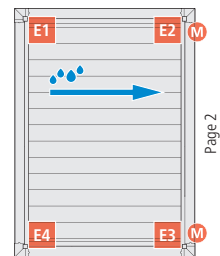
- Centre/wall posts cannot be combined with LED strips.
- We recommend always keeping to the same LED strip length in the post.
- Drainage through the post always must always be guided out of the post underneath the lighting. The colour LED strip must be at least 300 mm above the drain or water-bearing layer.
- The drainage height must be provided with the order (PA dimension).

Louvre motor cabling concept

Standard cabling concept:

The main drive is always positioned on the mains connection side. The remote receivers for the louvre motor are positioned easy to access beneath the faceplate on the corner joint. Two versions exist, dependent on the side of the main terminal.

Motor position	Connection points	Version
Louvre motor left-hand side	Post E3 or E4	Remote receiver beneath corner joint Inspection faceplate on post E3
Louvre motor right-hand side	Post E1 or E2	Remote receiver beneath corner joint Inspection faceplate on post E2



¹⁾ The main terminal connection can be selected freely in all corners. Here based on example E3. Connection cable with a minimum of 3 metres, all-included. Accordingly, the E-components are located in the respective long side of the louvred roof.

A The inspection faceplate on the corner joint ensures good accessibility to the remote receiver.

B Power connection possible through the corner joint faceplate or from beneath through the post

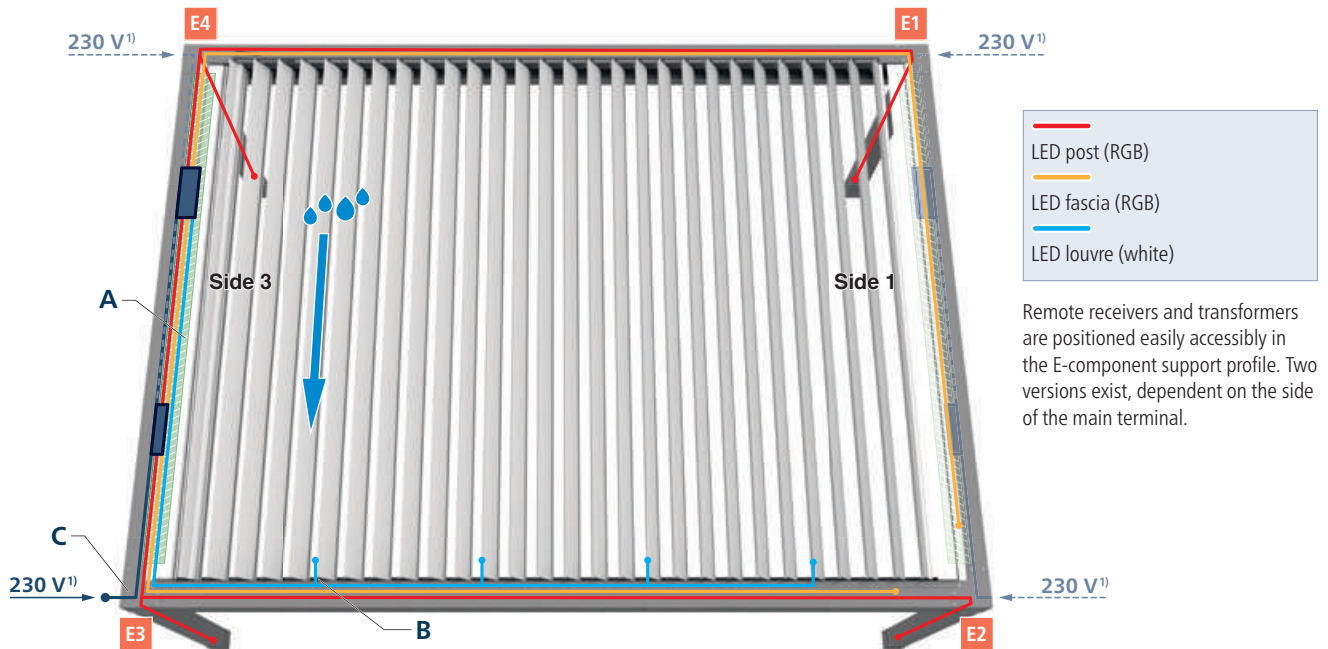
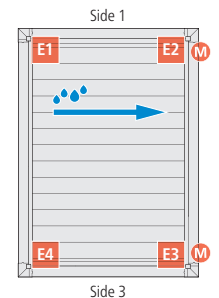
C Motor louvre with integrated tubular motor, fully wired and ready to plug in

LED cabling concept – louvre, post and frame

LED connection

The cabling for the integrated colour LED lighting is integrated in the components weather-protected and concealed and ideally prepared on-site. This guarantees fast and secure installation. The control unit and cable connection details are shown here.

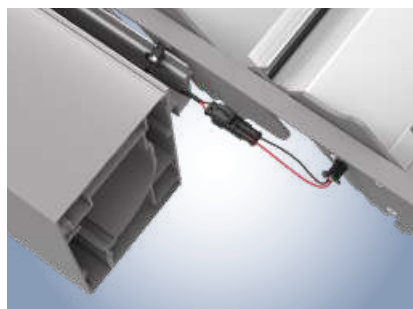
E-component carrier	Connection points	Version
Side 1	Post E1 or E2	LED-remote receiver and transformers in the E-component carrier on the inside of the frame side 1
Side 3	Post E3 or E4	LED-remote receiver and transformers in the E-component carrier on the inside of the frame side 3



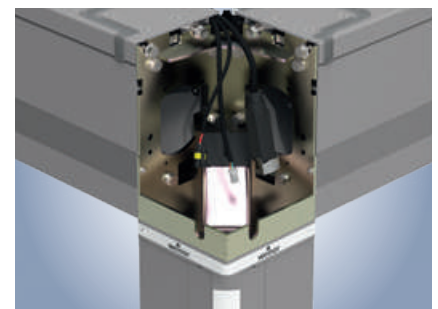
¹⁾ The main terminal connection can be selected freely in all corners. Here based on example E3. Connection cable with a minimum length of 3 metres included. Accordingly, the E-components are located in the respective long side of the louvred roof.



A The electronics is safely housed in the electronics component profile



B Ready to plug in cabling for the LED louvres



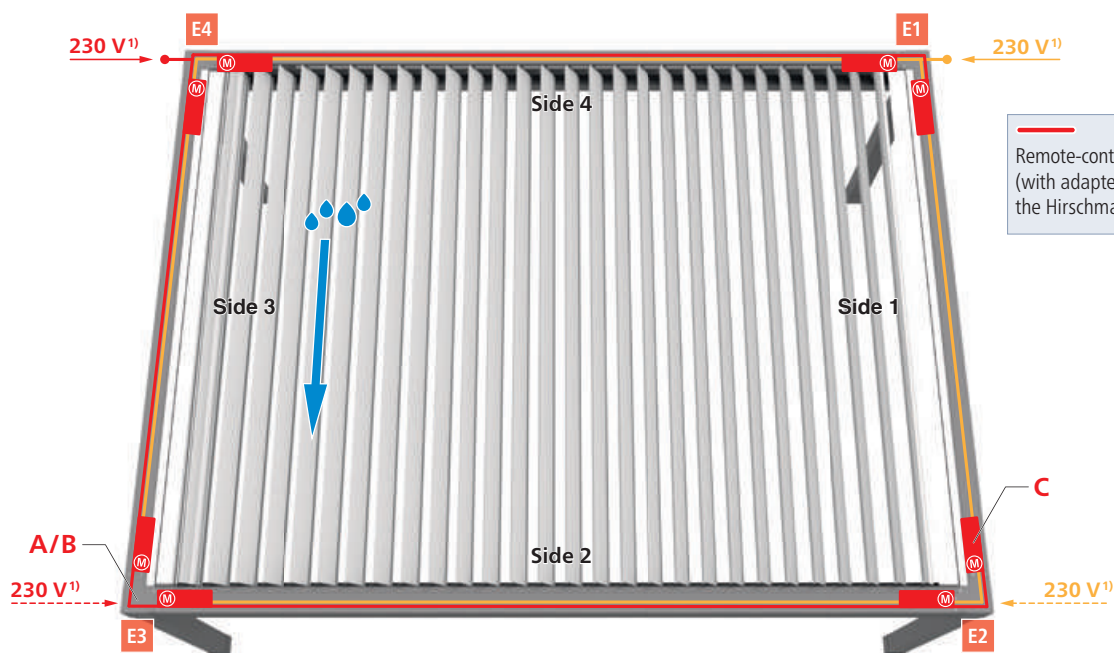
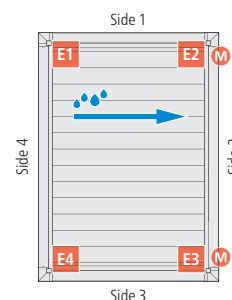
C Connection of the RGB and LED cabling in the corner joint

Vertical sun protection cabling concept

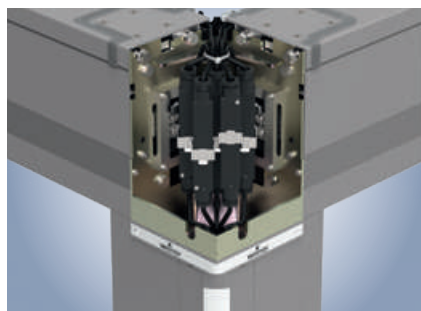
Power connection for vertical sun protection in the fascia

The leads are laid in the Artares frame profiles and only need be connected during installation. Multi-pin Hirschmann plugs ensure simple distribution at the corner joints. The remote vertical sun protection receivers are integrated in the motors.

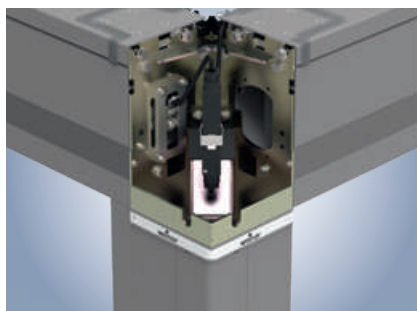
Vertical sun protection	Connection points	Version
Side 1	For the main terminal connection E1 or E4 = remote-controlled motor side E1 For the main terminal connection E2 or E3 = remote-controlled motor side E2	A closed circular pipeline consisting of 3 x 1.5 mm ² rubber cables with Hirschmann coupling, is integrated in the frame
Side 2	For the main terminal connection E1 or E2 = remote-controlled motor side E2 For the main terminal connection E3 or E4 = remote-controlled motor side E3	
Side 3	For the main terminal connection E1 or E4 = remote-controlled motor side E4 For the main terminal connection E2 or E3 = remote-controlled motor side E3	
Side 4	For the main terminal connection E1 or E2 = remote-controlled motor side E1 For the main terminal connection E3 or E4 = remote-controlled motor side E4	



¹⁾ The main terminal connection can be selected freely in all corners. Here based on example E1 or E4. Connection cable with a minimum of 3 metres, all-included. Accordingly, the closed circular pipelines are distributed from here for connecting the vertical awning motors.



A Connection leads with multiple Hirschmann plugs in the corner joints integrated in the frame



B Connection of the vertical sun protection drive in the corner joints



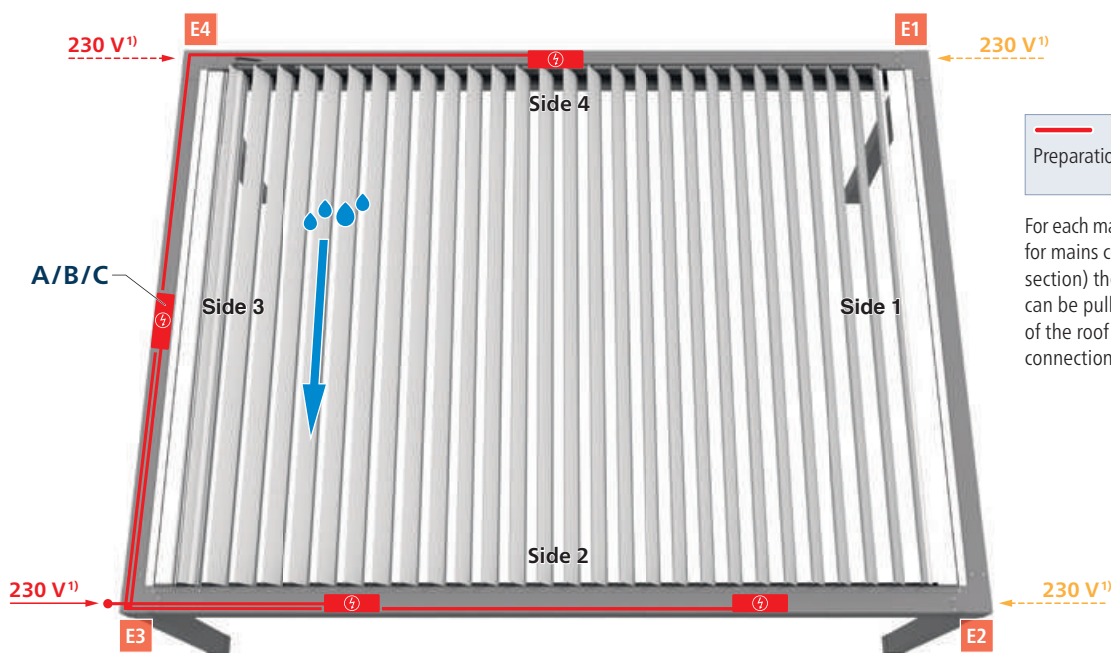
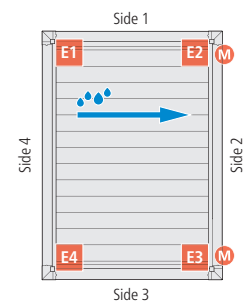
C Vertical sun protection, awnings, driven by remote-controlled motors

Cabling concept for preparation for mains connection (e.g. Tempura Quadra)

Mains connection preparation for optional electricity consumers

The power supply for optional electrical components (e.g. a Tempura Quadra with bracket 260) is made using one or two connection points per frame side (max. four per section). The connecting lead is simply routed through the frame profile when mounting the roof. For orders with this option, the hauling rope is in all frame sides, facilitating easy pulling in of the connecting lead at the factory.

E-component carrier	Connection points	Version
One connection per side	Central connection point - for Tempura connection provision with matching mount boreholes and downwards cable outlet - For the universal version only with a connector box (in the same colour as the construction) above the cable connection	Per connection one 3 x 1.5 mm ² rubber cable with Hirschmann coupling on the frame outlet and open ends on the outer connection side, can be installed in the frame
Two connections per side	Connection points split into three - for Tempura connection provision with matching mount boreholes and downwards cable outlet - For the universal version only with a connector box (in the same colour as the construction) above the cable connection	



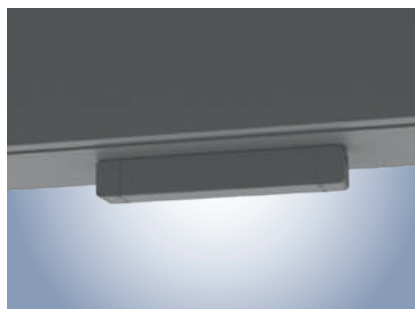
Preparation for mains connection

For each mains connection preparation for mains connection (max. 4 per roof section) there is a conductor, which can be pulled to the desired corner of the roof when installed (outer connection with open ends).

¹⁾ The main terminal connection can be selected freely in all corners. Here based on example E3. Connection cable with a minimum of 3 metres, all-included. The connection cables for preparation for mains connection can be laid in any desired corner, independent of the main terminal connection.



A Cable outlet on the lower side of the frame



B E-box to protect the open connection-preparation beneath the frame (only for Preparation for universal mains connection preparation)



C Tempura Quadra with bracket 260, connection and optional BiConnect remote receiver invisibly integrated in the base.

Artares control



BiRec RGB radio control with 48 V power supply pack integrated in the electronic component profile

Controls

The electronic component profile with the required electronics is located in a long side of the louvred roof. It is installed using Plug&Play, the ready to plug in cabling is already located in the various frame profiles. Artares control (coloured LED strips, louvre motor, vertical sun protection) is only possible with BiConnect. A normal adjustment cable is required for programming the radio controllers and regulating the motor end positions.



Electronic component profile

The E-components are located in the inner area of the electronic component profile, which is easily accessible via a faceplate.

Overview of BiConnect controls and Artares functions

Controls	Function
BiRec LA-K	Specific remote receiver for the louvred roof motor
BiRec on/off i	Remote receiver for LED louvre lighting (not dimmable)
BiRec HD-K	Remote receiver for Tempura heating system (dimmable)
BiRec RGB	Remote receiver for the coloured LED strips
Elero SunTop remote-controlled motor	BiConnect remote-controlled motor for the vertical sun protection

Per roof section:

All coloured LED strips in the corner posts are controlled together (colour/brightness).

All coloured LED strips in the fascia are controlled together (colour/brightness).

All warm white LED strips in the louvres are controlled together (on/off).

Note:



If the fascia, post and louvre lighting is operated simultaneously using one handset channel, this may lead to unsynchronised actions (power-on/colour adjustment/dimming) for technical reasons.

Recommendation:

BiEasy 15M Go! hand transmitter



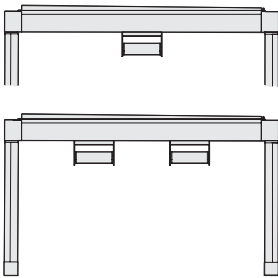
Tempura Quadra provision

Artares combined with Tempura Quadra

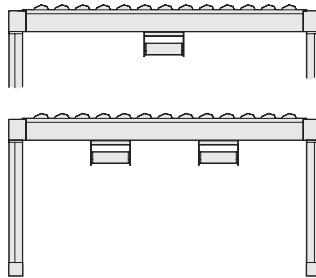
The Tempura Quadra provides maximum comfort. Depending on requirements, up to four heating systems can be attached per individual section/system.. Refer to the examples for positioning. With the mains connection preparation for Tempura all cable and mount boreholes are prepared, including the connecting cable which is guided through the frame.



Long side positions

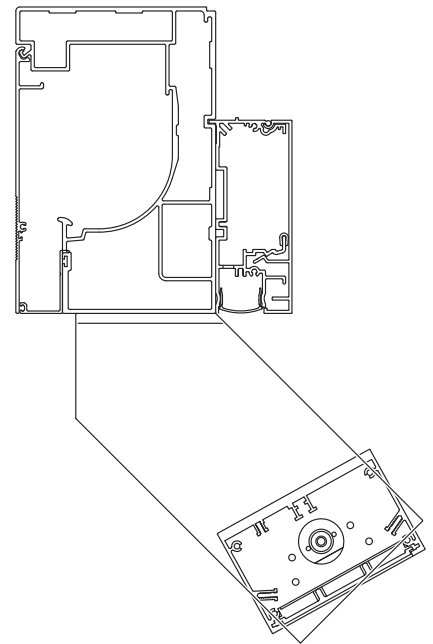


Short side positions



260 attachment

For the ideal installation height and clearance distance at the top



Universal preparation for mains connection

Preparation for mains connection for third-party products or retrofitting

With the universal preparation for mains connection, connecting cables are guided through the frame, the cable boreholes in the frame prepared and covered with an E-box in the same colour as the construction. Also ideal for later retrofitting of the weinor Tempura.



E-box

The box serves as a weather guard for the open connection preparations and is simultaneously visually adapted to the fascia design.

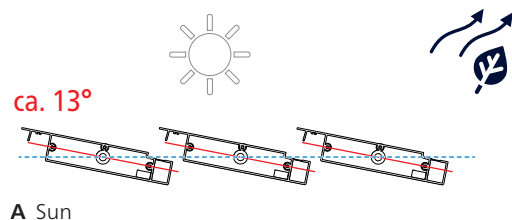
Automatic louvre control



BiSens SWR-230V sensor

The standard sun/wind/rain sensor with temperature measurement provides comfort and security. It controls the louvres dependent on the threshold values set and the respective weather. In order to enable the sensor to function ideally, the installation prerequisites according to the instructions for assembly (on the roof or a close house wall freely exposed to the weather) must be observed.

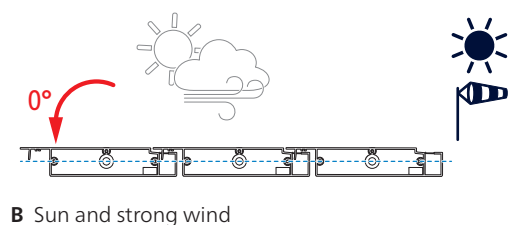
Louvre adjustment



A Sun

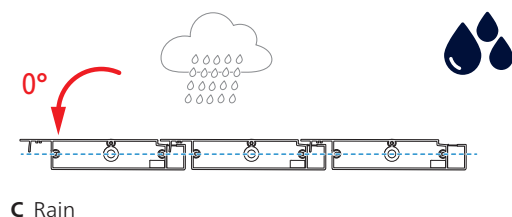
Recognises the BiSens SWR-230V sensor...

... **Sunshine**, the louvres are set to approx. 13°. This prevents a build-up of heat and ensures a natural bioclimate from which the heat can escape. The automatic sun control can be switched on or off with the hand transmitter. The ventilation position is moved to if automatic sun control is activated if the threshold value set at the sensor has been exceeded for at least 5-7 minutes and is left when the set threshold value is not reached for at least 15-17 minutes.



B Sun and strong wind

... **In case of sun** together with **strong wind**, the louvres are closed automatically. After the wind has abated, the locking period is 15-17 minutes.

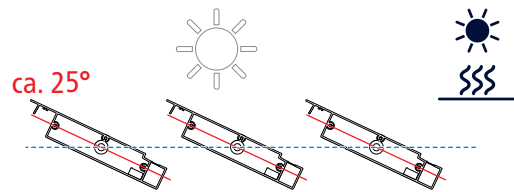


C Rain

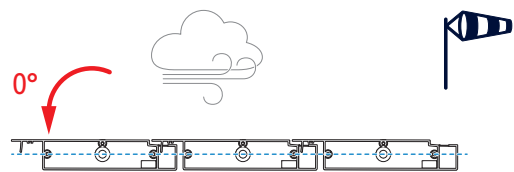
... **When it rains**, the louvres close. The system can be operated manually.

Automatic louvre control

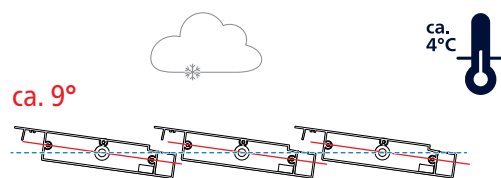
Louvre adjustment



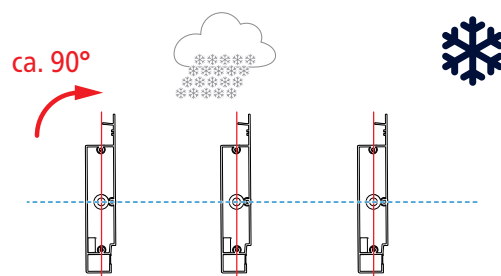
D Drying



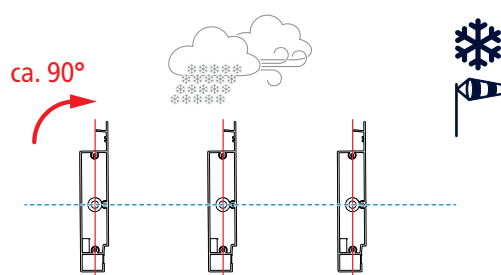
E Wind



F Frost



G Snow



H Snow and strong wind

Recognises the BiSens SWR-230V sensor...

... After the **end of a rain shower**, the louvres are adjusted to approx. 25° after 15 minutes so that the drying process can take place and clinging raindrops flow off into the guttering via the louvre channels. Manual operation is possible at all times (caution: dripping rainwater possible).

... **Excessive wind** (threshold value can be set on the sensor), the louvres are closed. After the wind has abated (the threshold value is undercut), the locking period is 15-17 minutes. **Note:** In case of integrated vertical sun protection, the sensor with the matching wind strength (WS 6) should be programmed accordingly. The louvred roof also closes in case of excessive wind load.

... **Frost**, the louvres are driven to frost protection position at approx. 9° in order to avert them from freezing on. Activated automatic sun control is possible. In addition, the louvres can be moved manually in jogging operation (keep the operating keys pressed down). Manual operation is possible within the range of approx. 9° up to maximum opening.

... **For snow**, there are 2 different alignment options.

- **Configuration 1 (position approx. 9°):** only permissible in regions with little snowfall (observe maximum snow load per roof size)
- **Configuration 2 (position approx. 90°):** Louvres rotate to snow protection position (approx. 90°), enabling the snow to fall through

The louvres can be moved manually in jogging operation (keep the operating keys pressed down). For configuration 2, the louvres rotate back to the snow protection position automatically after approx. 60 minutes.

... The combination of **snow** and **strong wind**:

- **Configuration 1:** The louvres close up to the frost protection position.
- **Configuration 2:** The louvres remain open in the snow protection position (approx. 90°).

Note: The specialist company is responsible for the configuration.

Note:



Some louvre settings which are controlled automatically by the BiSens SWR-230V still remain in the position set after the triggering event (e.g. strong wind) for 15-17 minutes and cannot be manually overridden during this period (locking period).



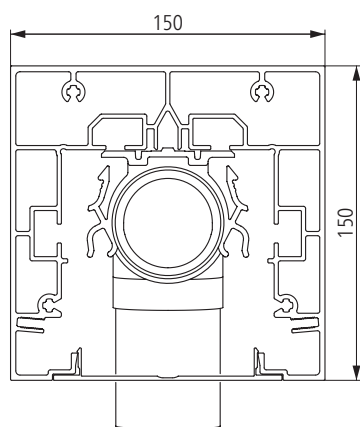
Artares planning

Drainage and posts

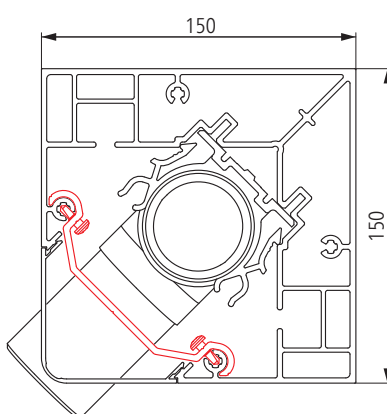
Invisibly integrated downpipe

Rainwater is discretely and systematically drained away through the integrated water drain. Here, the downpipe is invisibly integrated in one of the posts. The drain can also be specifically fed through a post plate, if used. The post base must meet the static requirements. For precise specifications, please refer to the weinor E-shop.

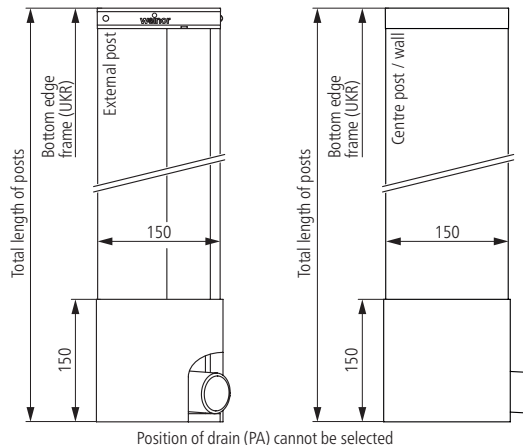
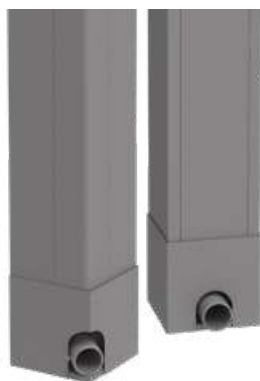
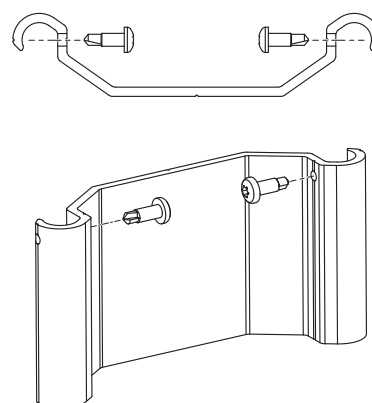
150 centre/wall post



Outside 150 post



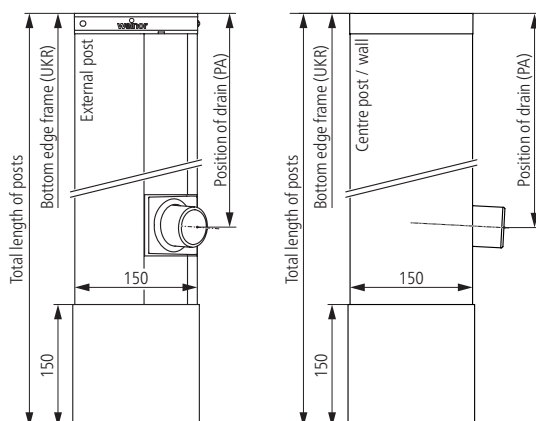
Spacer



Post – version 1

External post and centre / wall

- with drainage in post corner or post centre at the very bottom
- is delivered complete with the desired length
- ideal for installation on finished flooring in the visible area
- Version with post base 150 (standard)

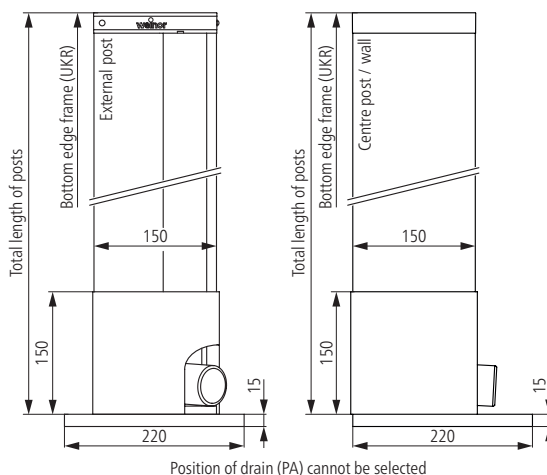
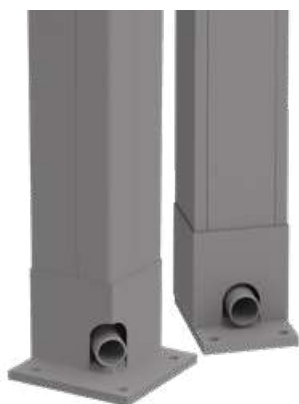


Post version 2

External post and centre / wall

- with drainage in post corner
- Post profile with desired length or is sawn to length by the customer
- Drainage height (PA dimension) can be selected when installed
- Post centre/wall can be rotated 90° when installed
- Ideal for installation on a foundation beneath OKFF (min. 10 cm floor recess necessary)
- Version with post base 150 (standard)

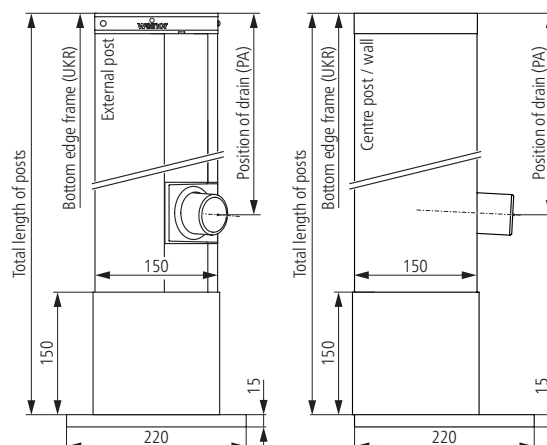
Drainage and posts



Post version 3

External post and centre / wall

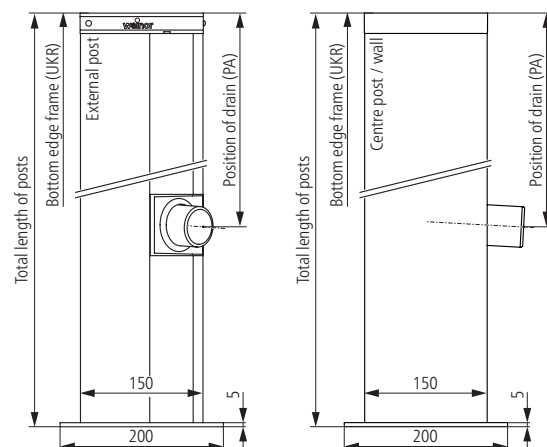
- with drainage in post corner or post centre
- Version with post base 150 (standard), additionally with large post plate for easy installation



Post version 4

External post and centre / wall

- with drainage in post corner or post centre
- Version with post base 150 (standard), additionally with large post plate for easy installation

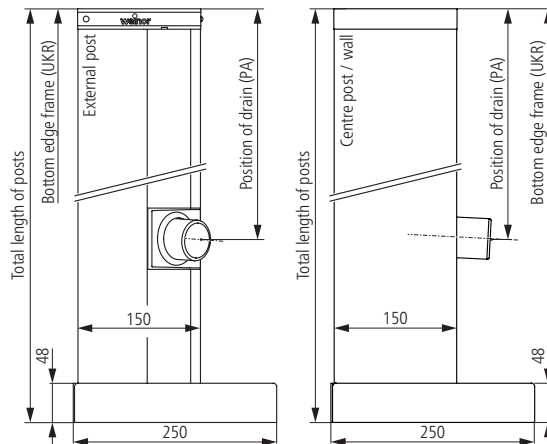


Post version 5

External post and centre / wall

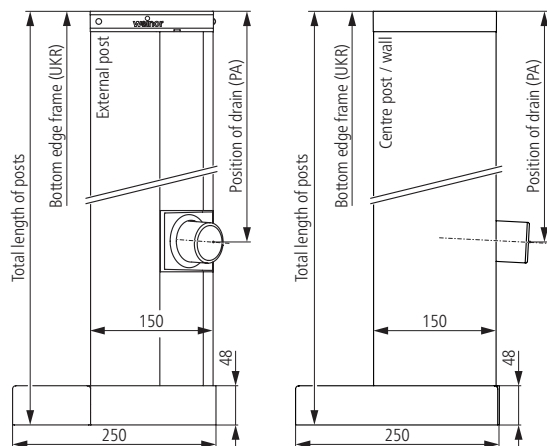
- with drainage in post corner or post centre
- Version with post plate (extraction protection) only suitable for setting in concrete

Drainage and posts



Post version 6 External post and centre / wall with drainage in post corner or post centre

- for installation on finished floor possible with a cover cap or under OKFF without a cover cap
- Version with large post base $t=15$ or $t=25$



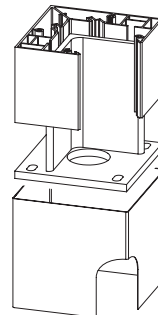
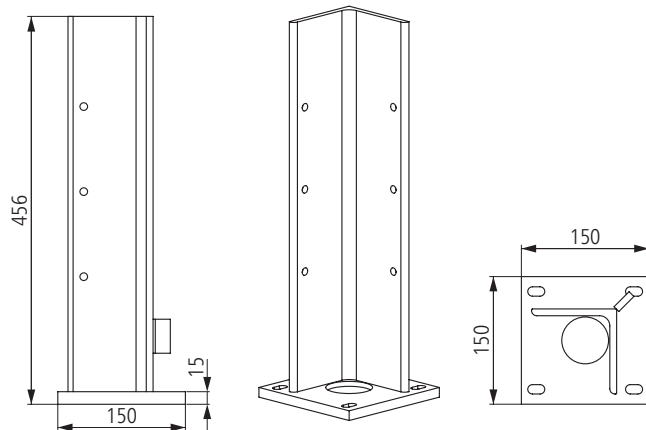
Post version 7 External post and centre / wall

- with drainage in post corner or post centre
- for installation on finished floor possible with a cover cap or under OKFF without a cover cap
- Version with large post base $t=15$ or $t=25$

Post attachment

Post base 150 (standard) for external post

Height-adjustable for installation + 40 mm



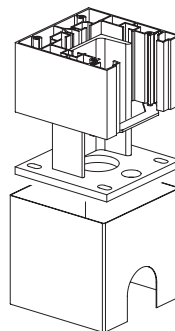
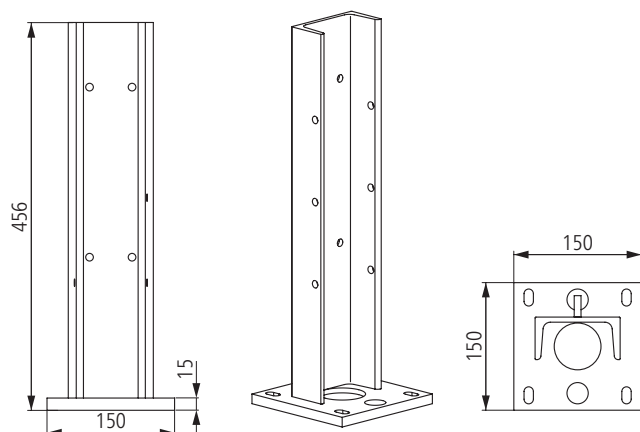
Ground cover (optional)

(necessary for installation in the visible area in order to hide the adjustable post base 150)



Post base 150 (standard) for centre/wall post

Height-adjustable for installation + 40 mm



Ground cover (optional)

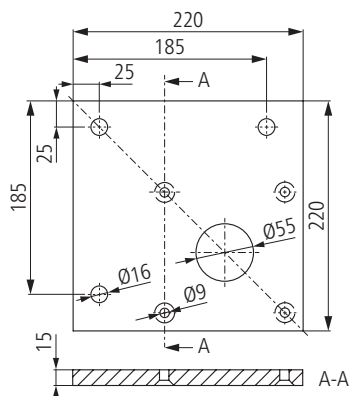
(necessary for installation in the visible area in order to hide the adjustable post base 150)



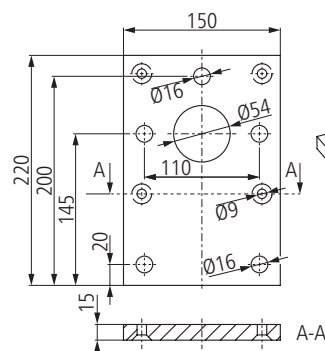
Post plate for fixing to the foundation

(optional for post base 150)

The post plates offer better accessibility to the mounting boreholes into the foundation.



Post plate for post 220x220x15

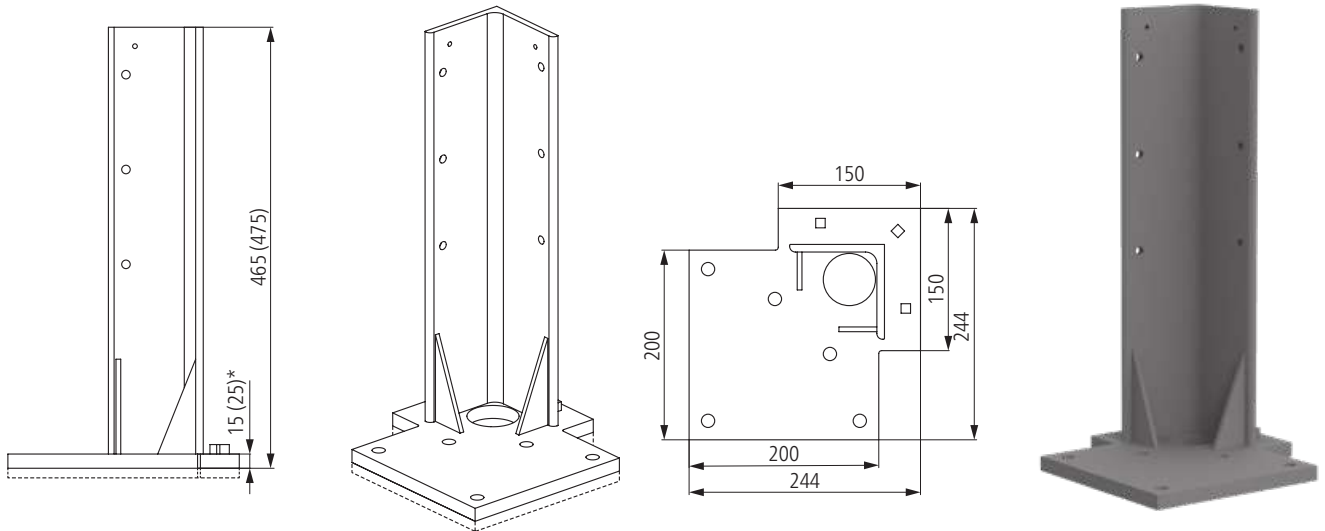


Post plate post 220x150x15

Post attachment

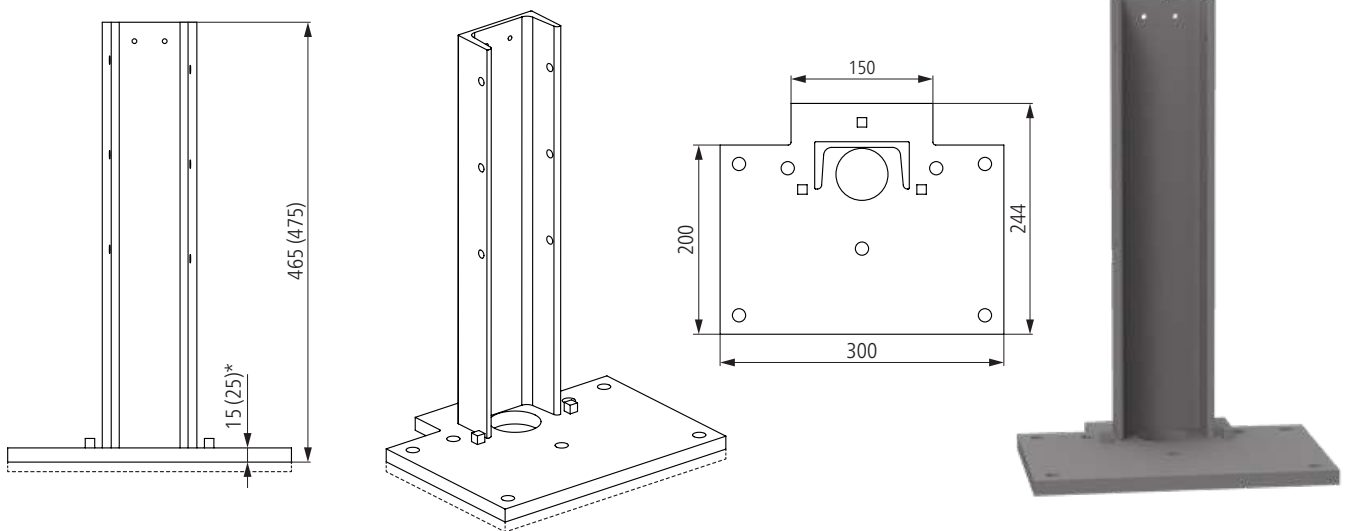
Post large external $t=15$ / $t=25$ for external post

Height-adjustable for installation + 40 mm (only in case of a floor recess of at least 60 mm)



Post large external $t=15$ / $t=25$ for centre/wall post

Height-adjustable for installation + 40 mm (only in case of a floor recess of at least 60 mm)



* Depending on the static requirements, the baseplate can be selected with a thickness of 15 or 25 mm



Post large external $t=15$ / $t=25$ with external post cover cap



Post large external $t=15$ / $t=25$ with centre/wall post cover cap

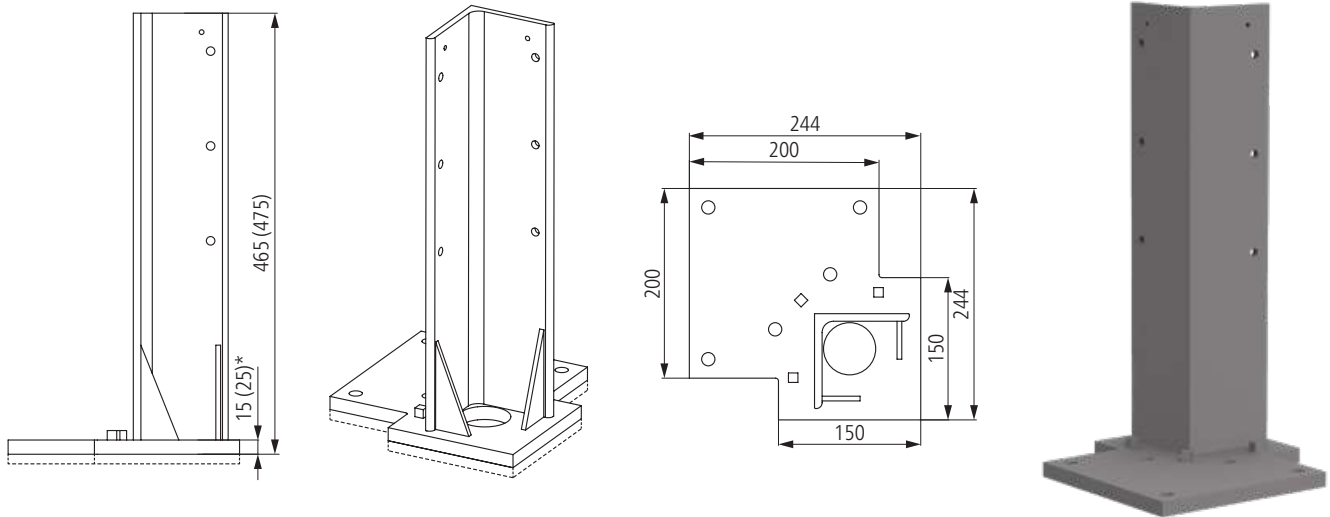
Post cover cap

Ideal for installation on finished flooring in the visible area

Post attachment

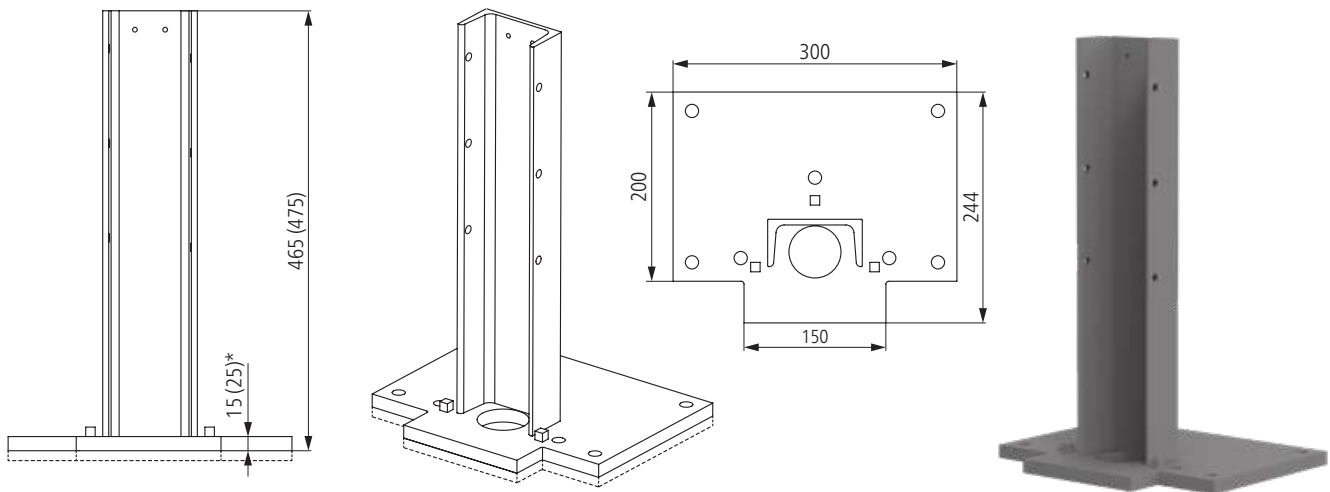
Post base large external $t=15$ / $t=25$ for external post

Height-adjustable for installation + 40 mm (only in case of a floor recess of at least 60 mm)



Post base large internal $t=15$ / $t=25$ for centre/wall post

Height-adjustable for installation + 40 mm (only in case of a floor recess of at least 60 mm)



* Depending on the static requirements, the baseplate can be selected with a thickness of 15 or 25 mm



Post base large internal $t=15$ / $t=25$ with external post cover cap



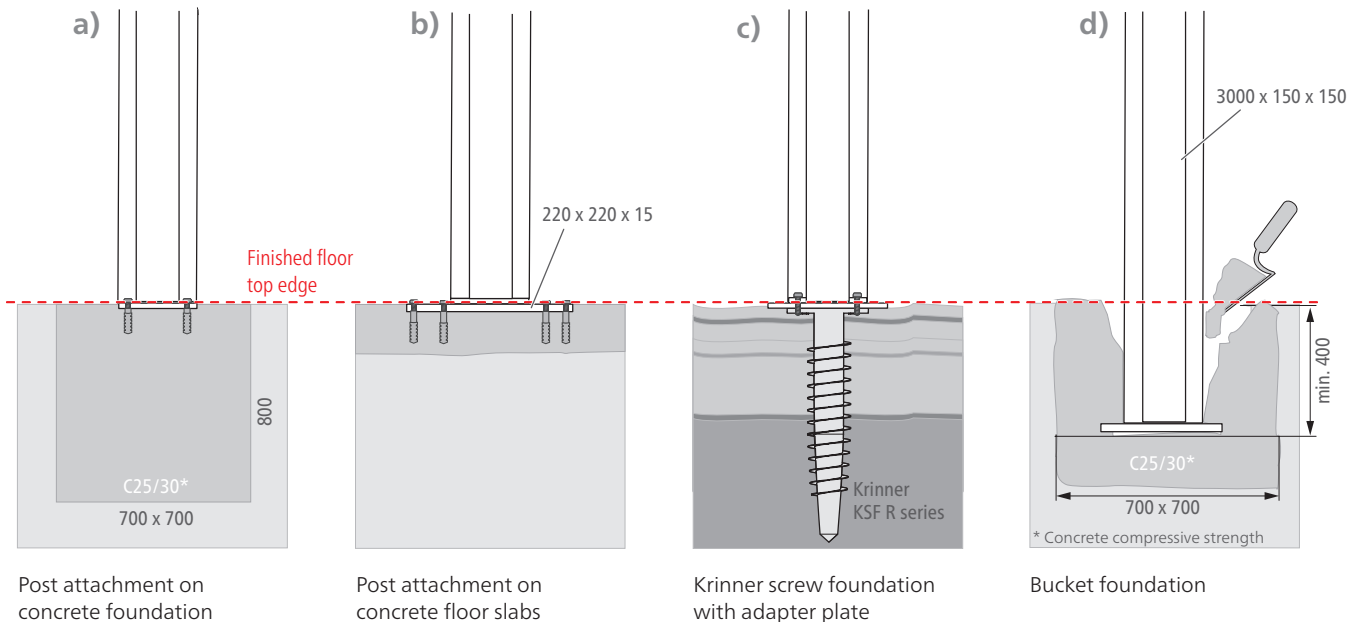
Post base large internal $t=15$ / $t=25$ with centre/wall post cover cap

Post cover cap

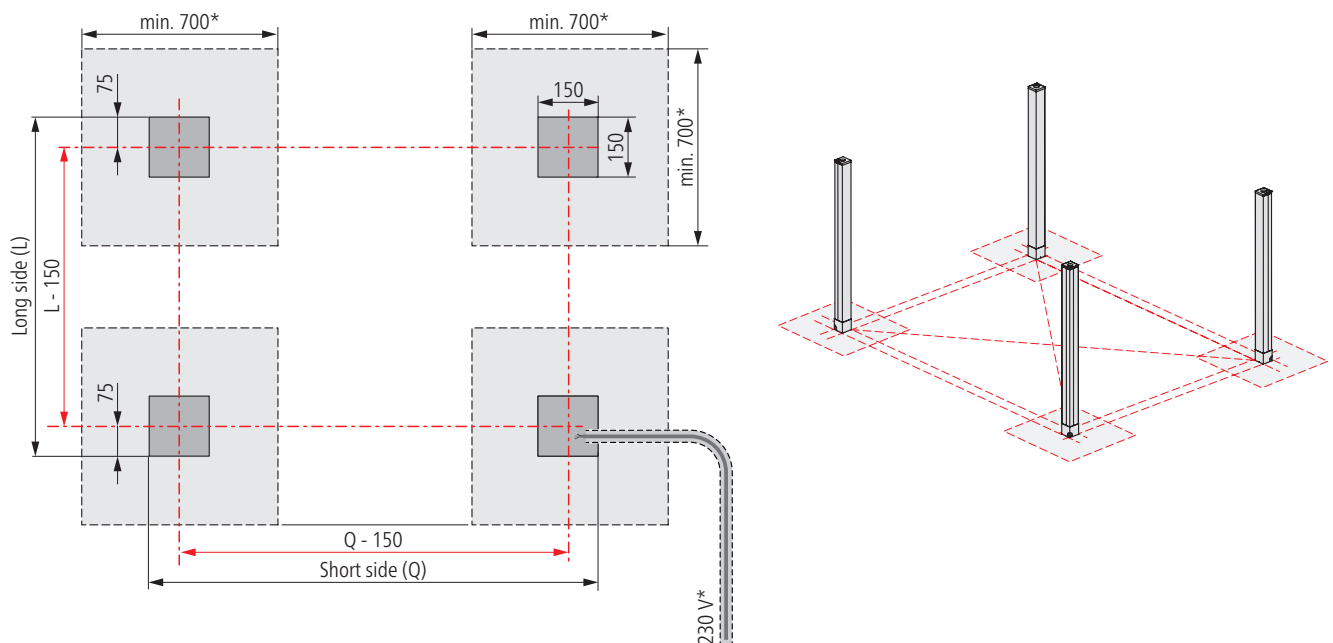
Ideal for installation on finished flooring in the visible area

Post attachment

Post installation (examples)



Foundation plan

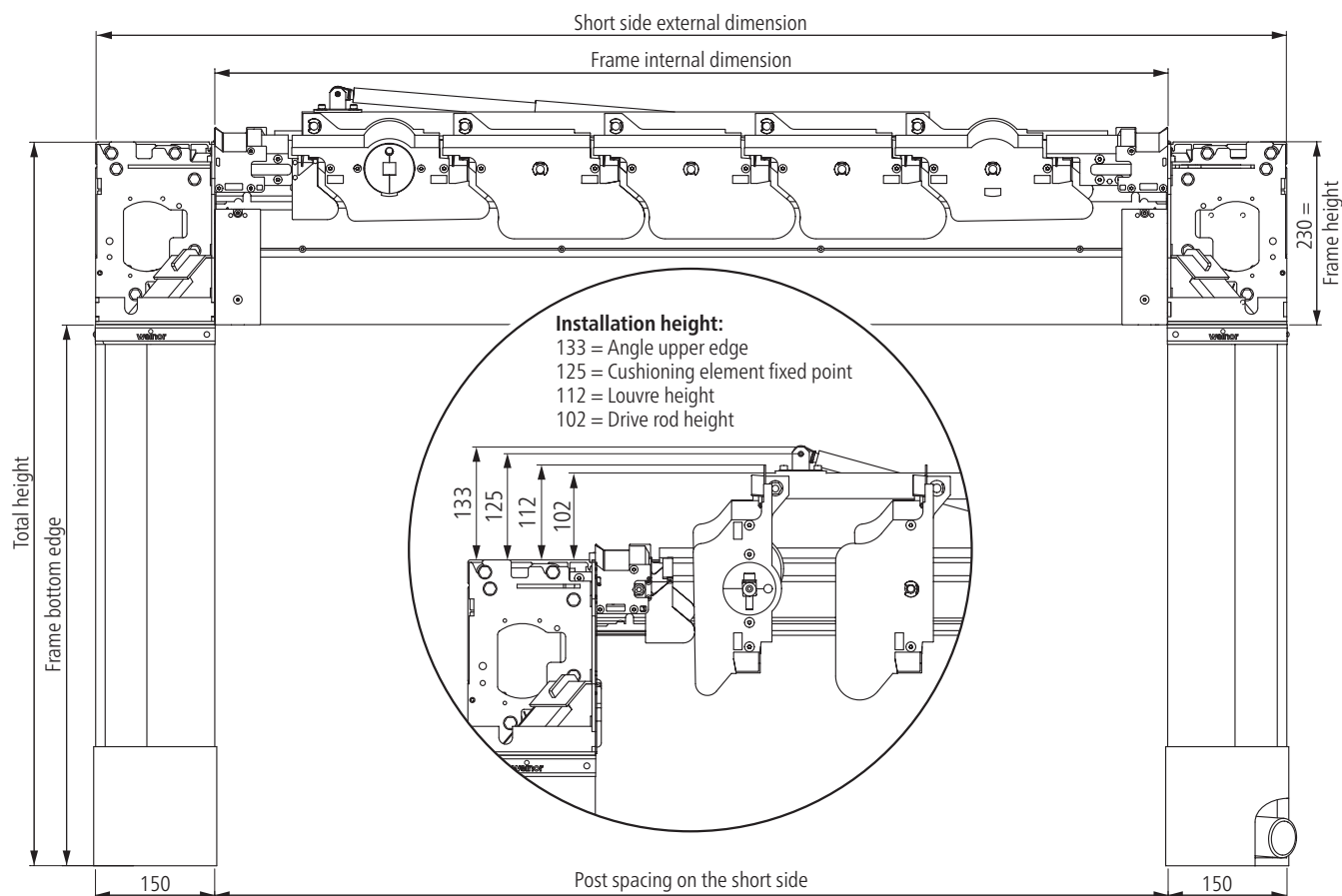


Notes:

- The specified foundation sizes are guide values and may differ depending on the quality of the ground on-site.
- Current supply through the ground must be planned on-site (ductwork for cables in the foundation).

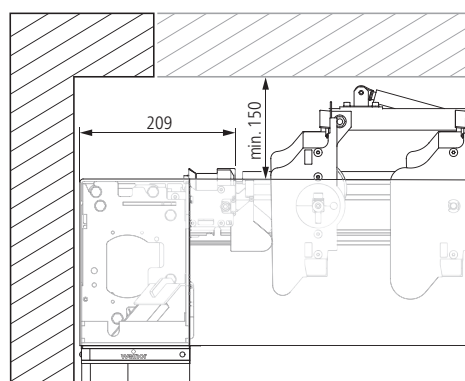
Cross-sections and dimensions

Adjustment measurements in transverse direction

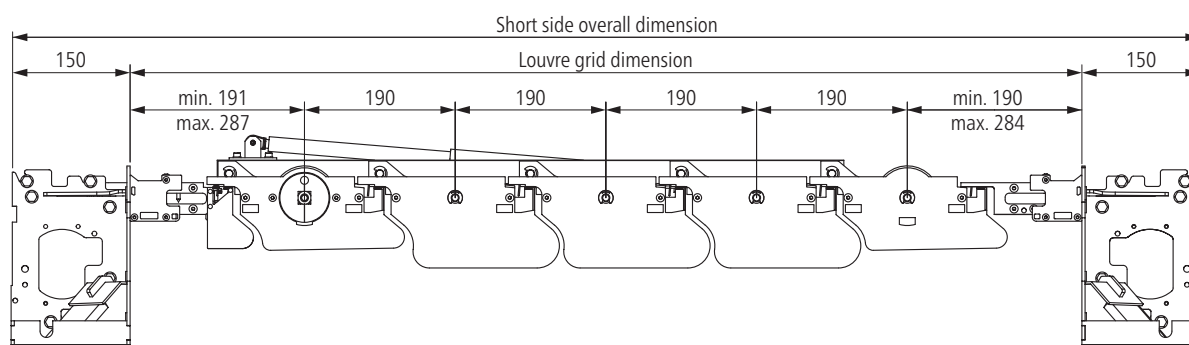


Notes:

In case of wall projections or ceilings (e.g. a balcony) above Artares (post or wall connection) is required for installation with tools and a spacing of 150 mm to the overall height for full opening of the louvres.

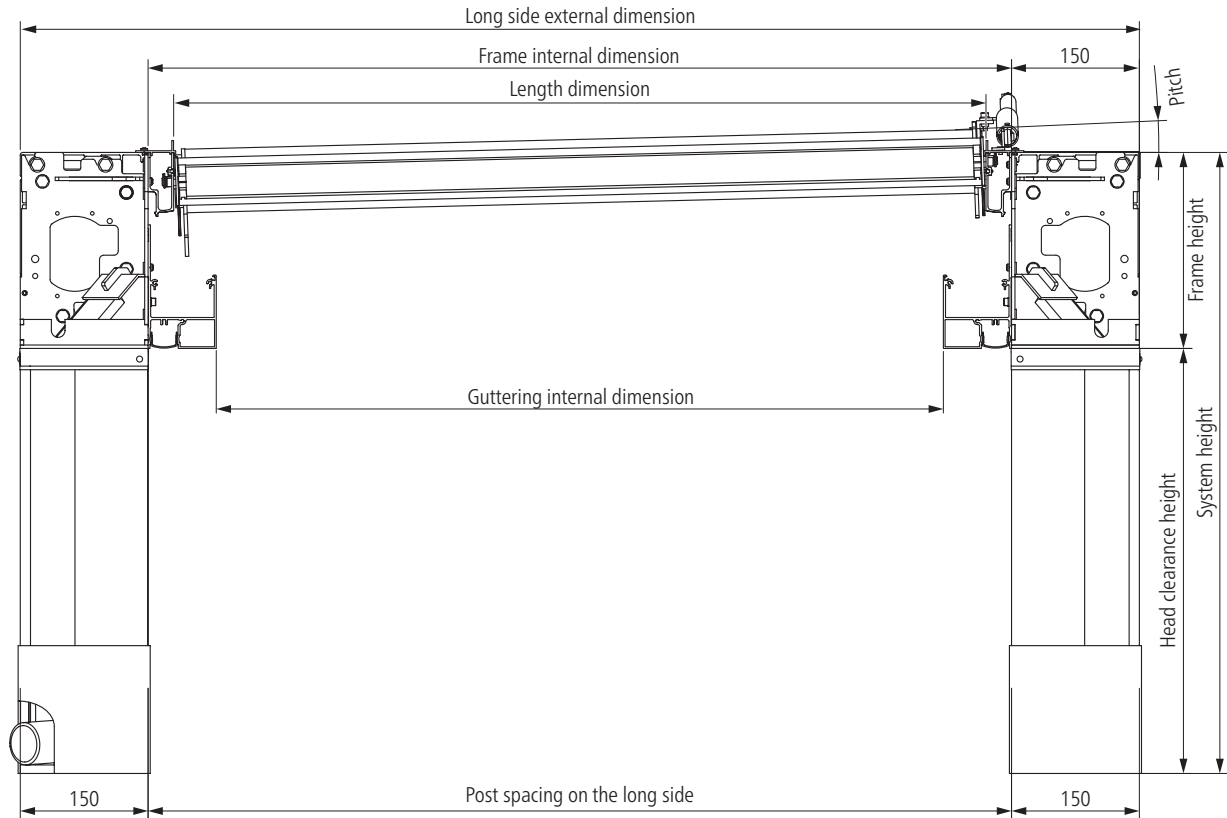


Adjustment measurements in transverse direction for the louvre grid

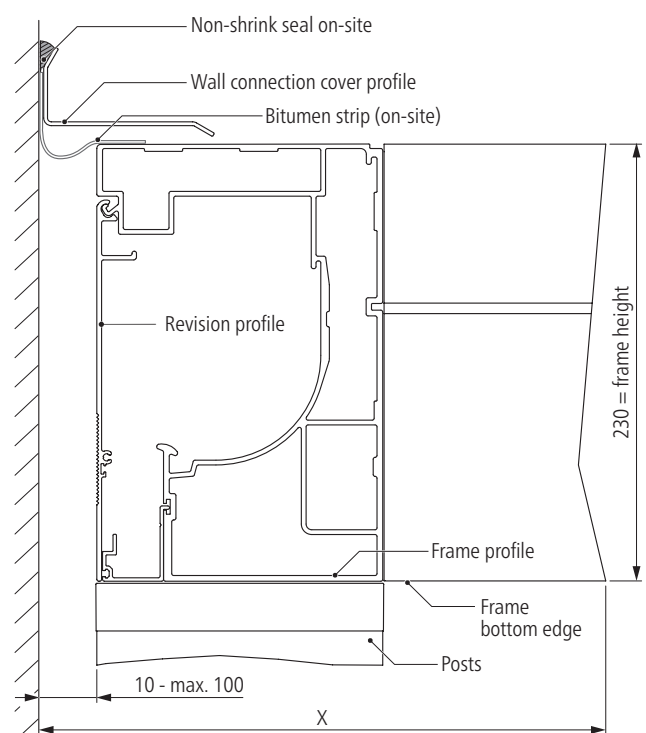
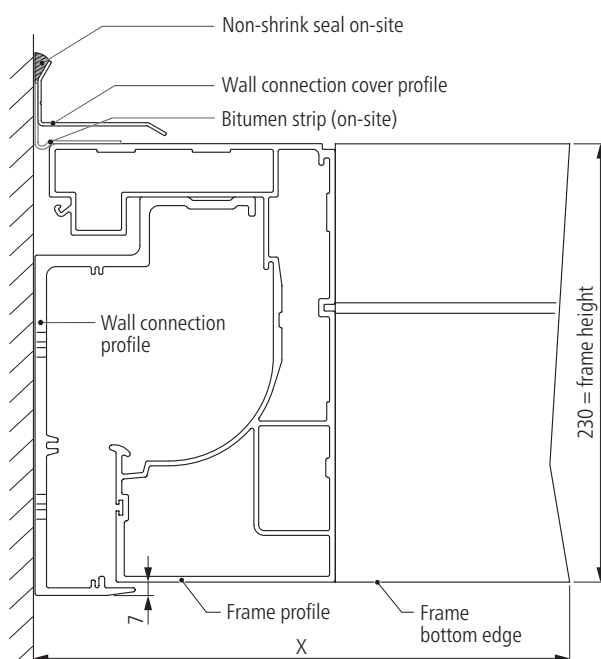


Cross-sections and dimensions

Adjustment measurements in longitudinal direction

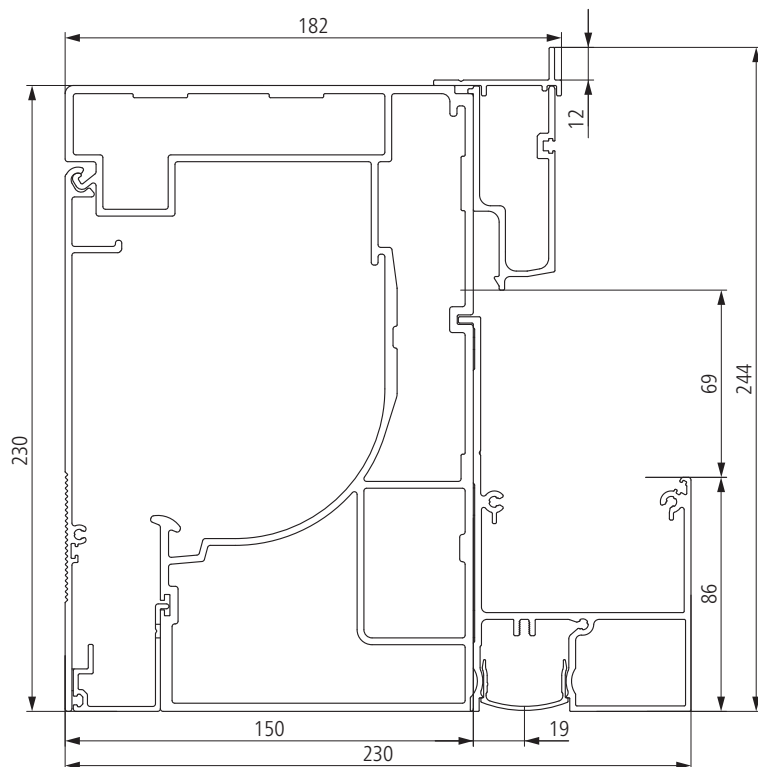


Wall connection profile

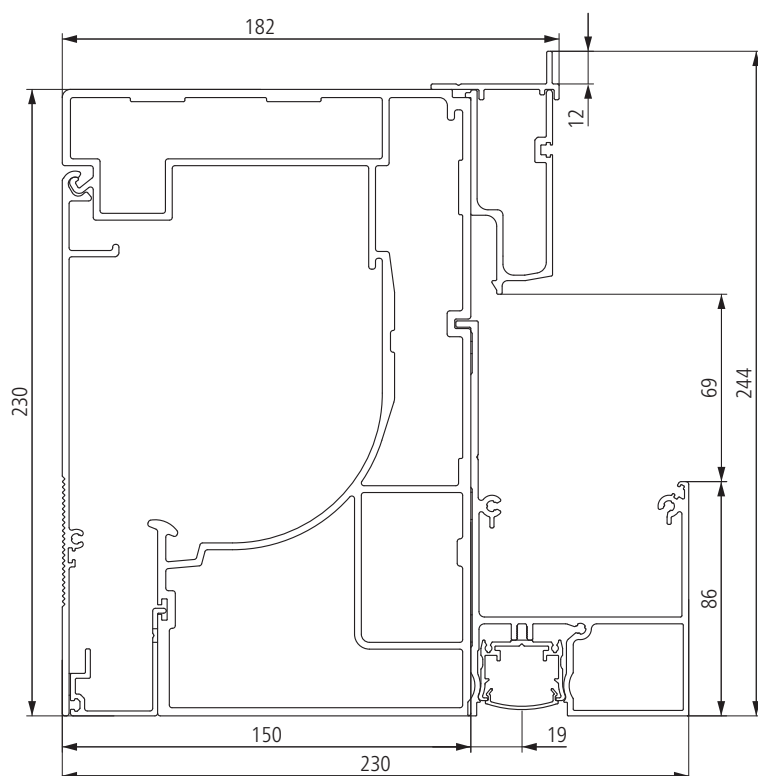


Cross-sections and dimensions

Frame profile short side with rain gutter (standard)

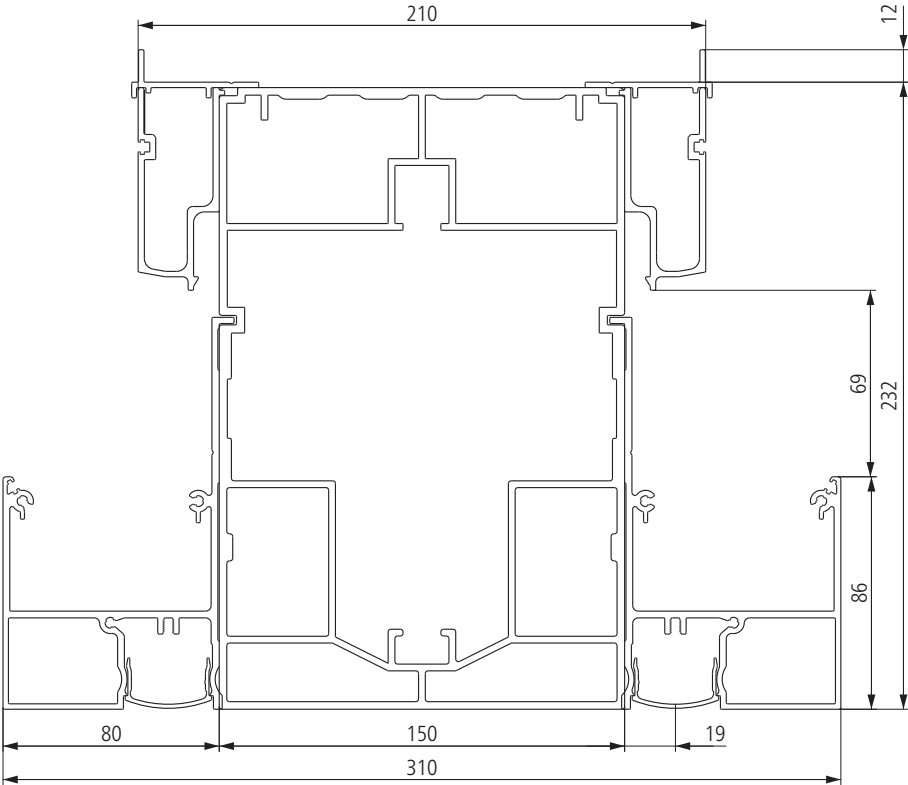


Frame profile short side with rain gutter and RGB

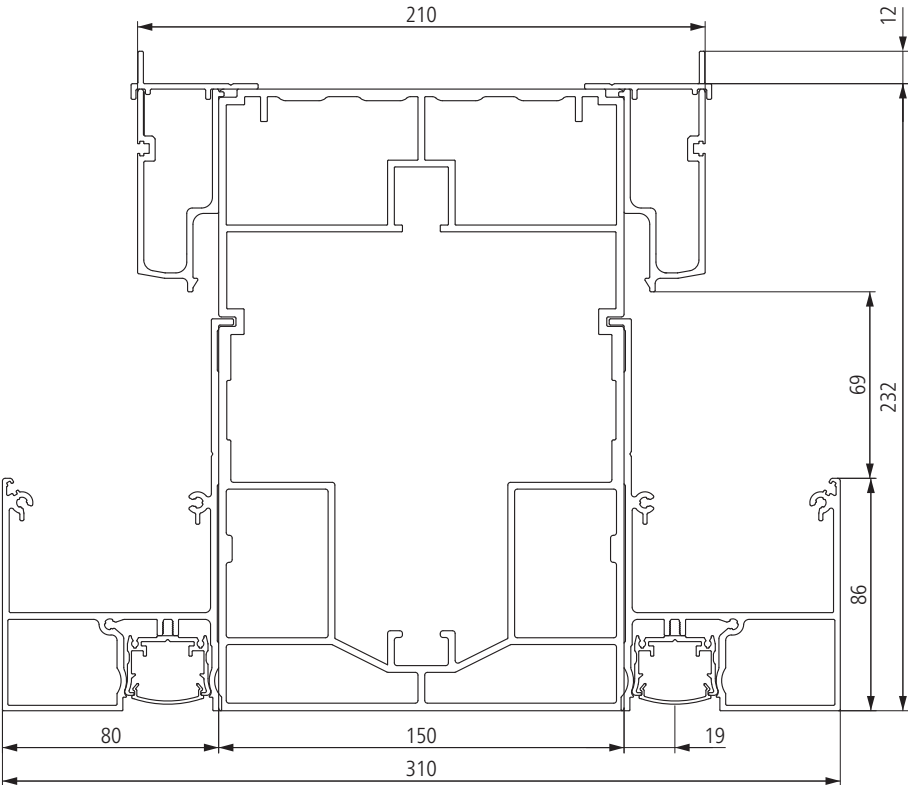


Cross-sections and dimensions

Coupling profile short side with rain gutters (standard)

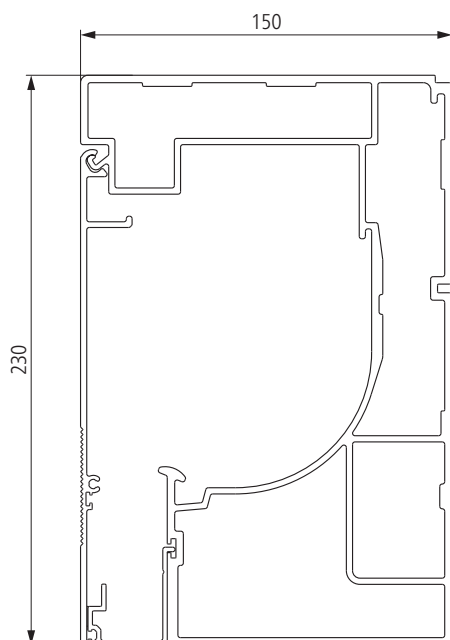


Coupling profile short side with rain gutters and RGB

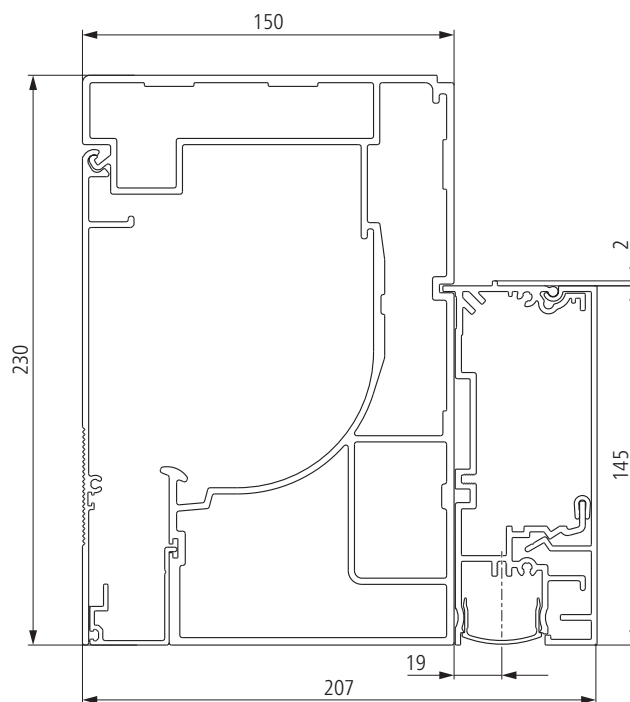


Cross-sections and dimensions

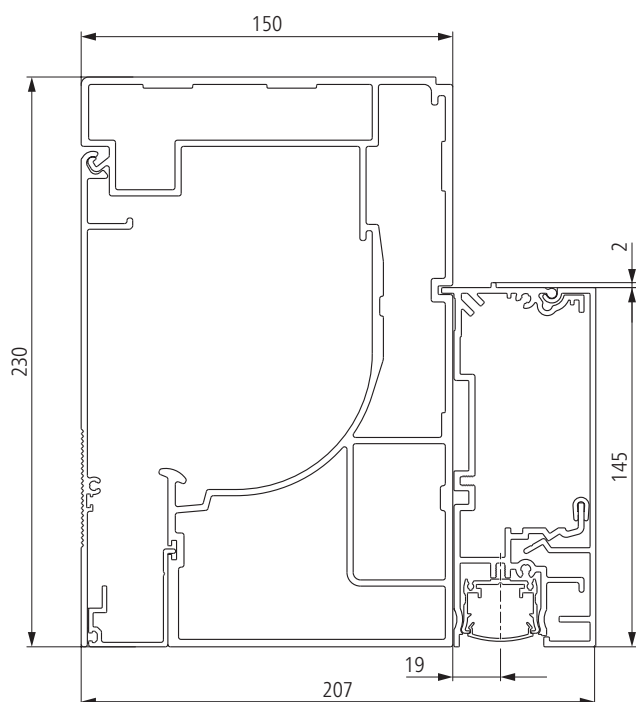
Frame profile long side
(standard)



Frame profile long side with electronic
components profile

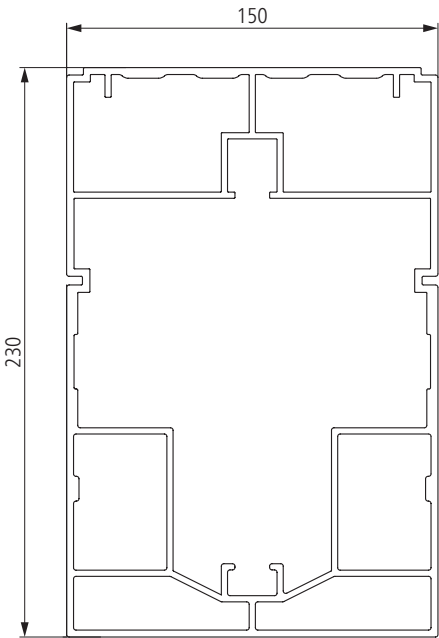


Frame profile long side with electronic
components profile and RGB

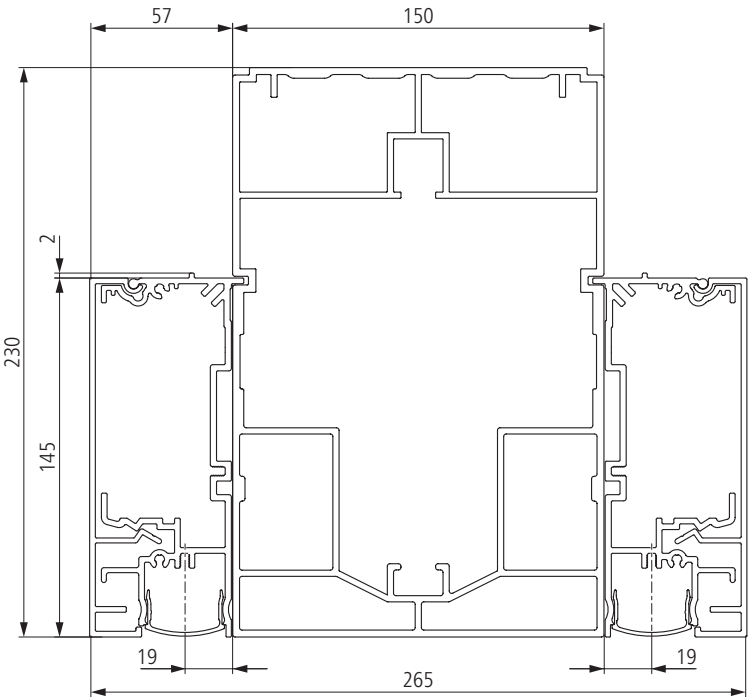


Cross-sections and dimensions

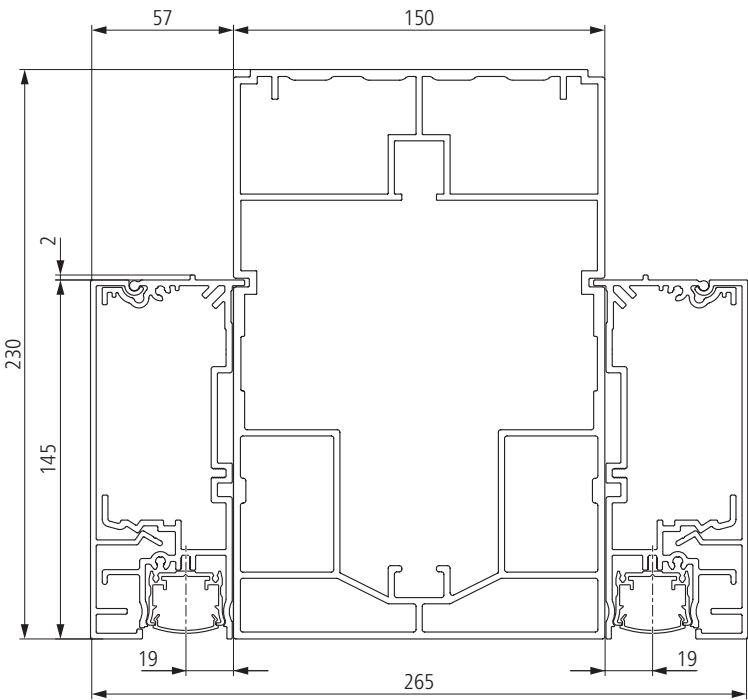
Coupling profile long side
(standard)



Coupling profile long side with electronic
components profile

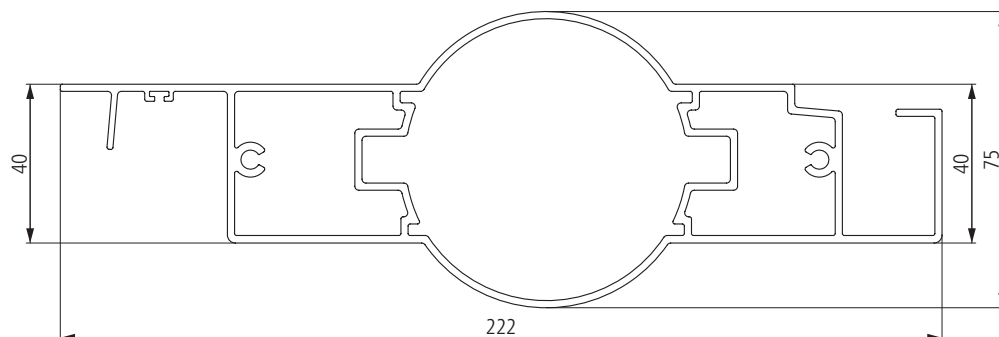


Coupling profile long side with electronic
components profile and RGB

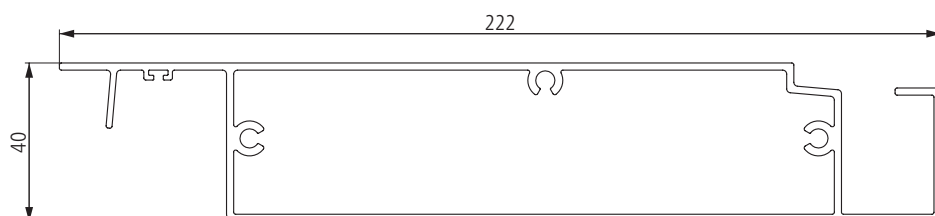


Cross-sections and dimensions

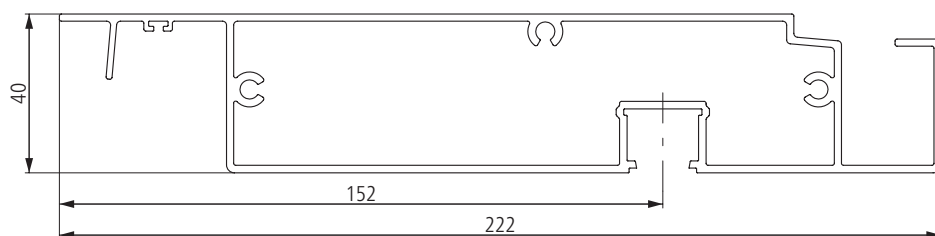
Louvre profiles



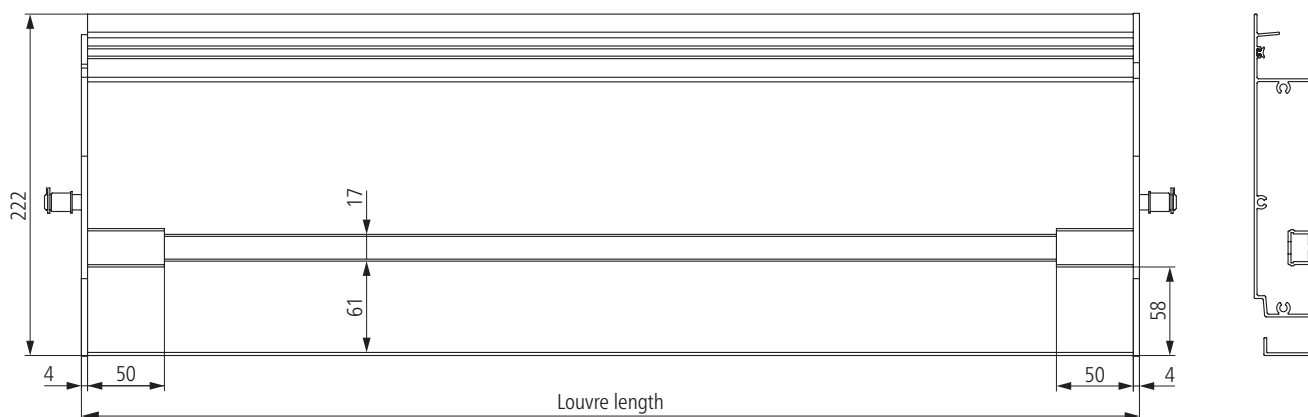
Static louvre



Standard louvre



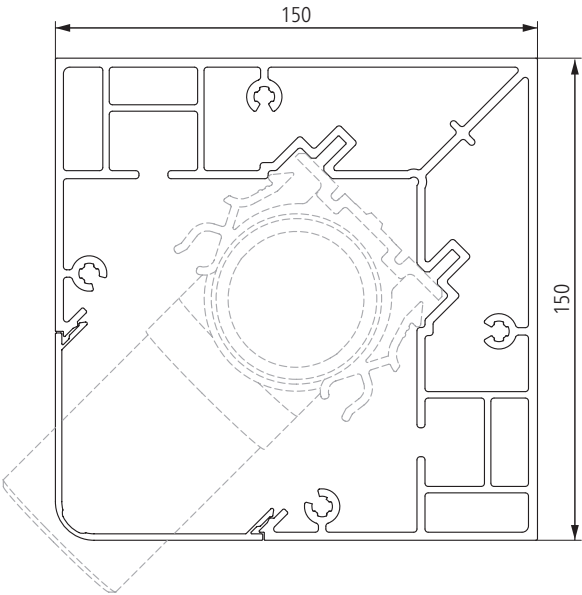
LED louvre



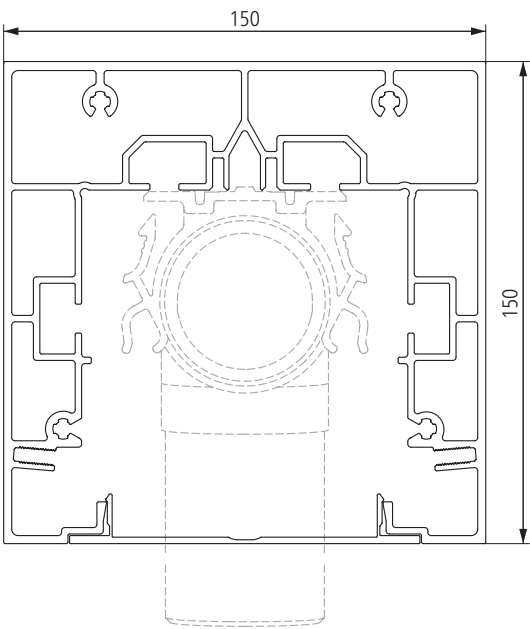
LED louvre (bottom view)

Cross-sections and dimensions

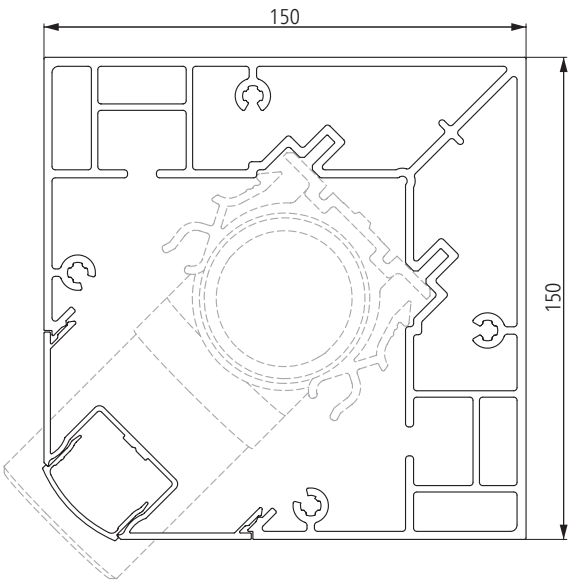
Post profiles



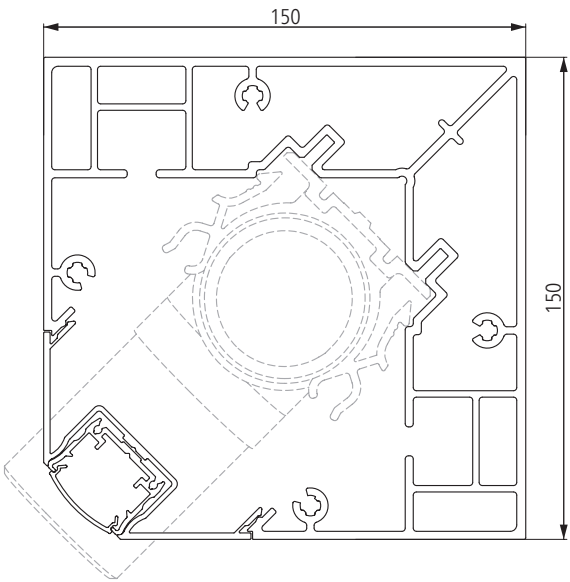
Corner post with clip profile (standard)



Centre post with clip profile (standard)



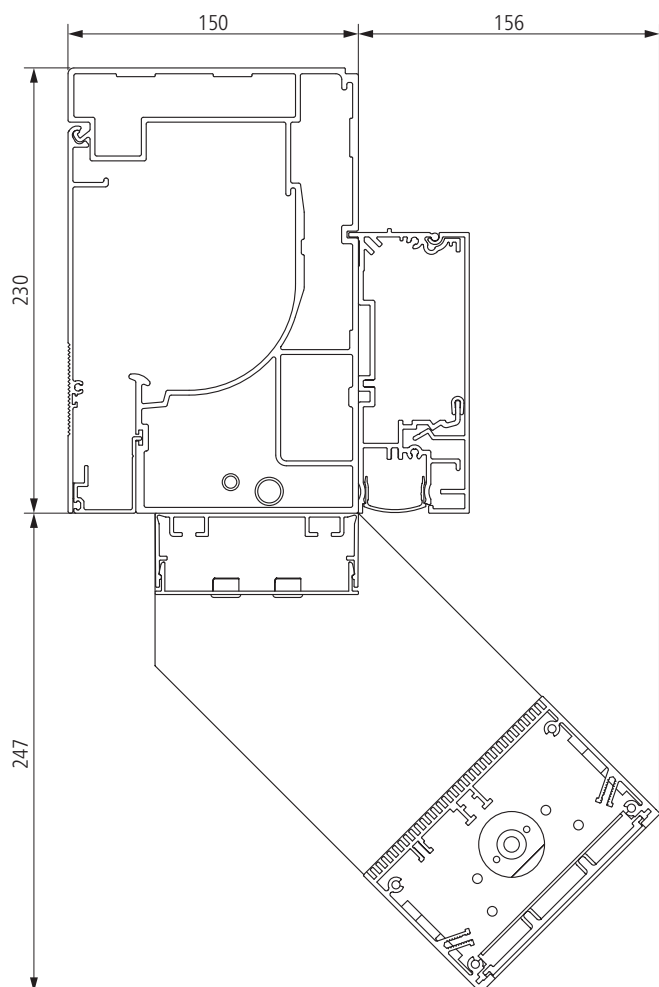
Corner post with decorative strip



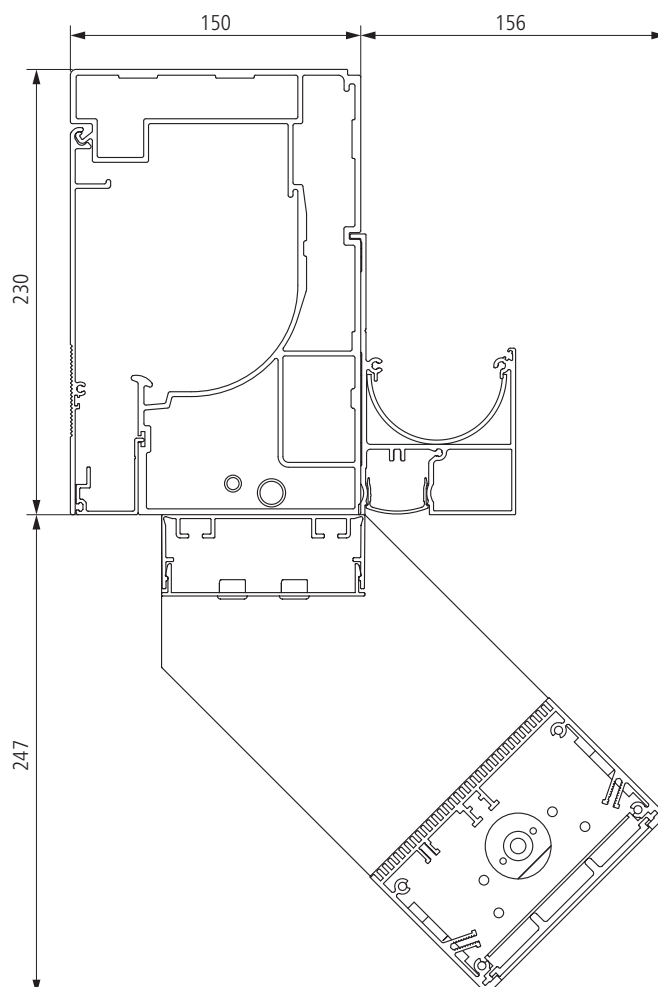
Total posts with coloured LED strip

Cross-sections and dimensions

Tempura Quadra with bracket 260

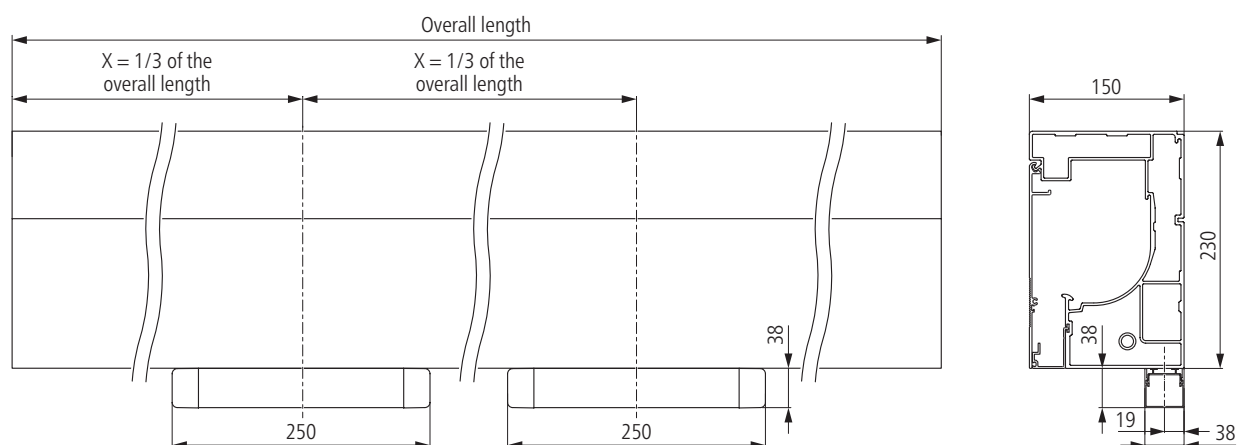


Frame profile long side with Tempura Quadra and electronic components profile



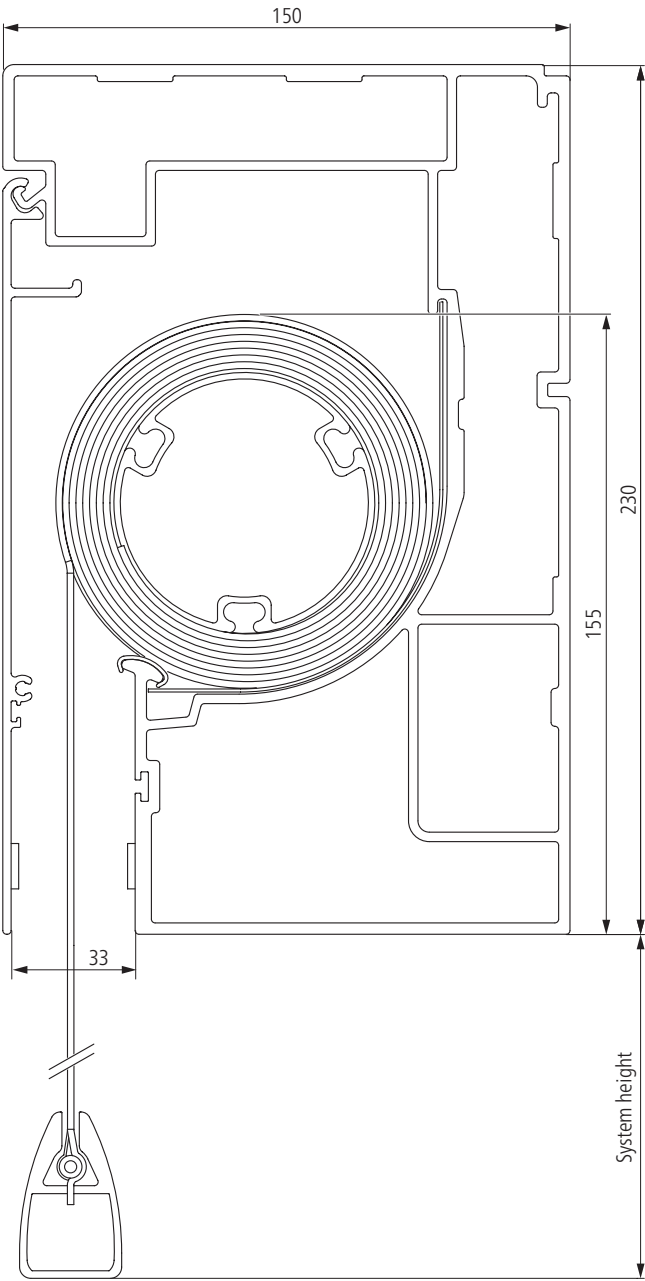
Frame profile short side with Tempura Quadra

Universal mains connection preparation (with E-box)

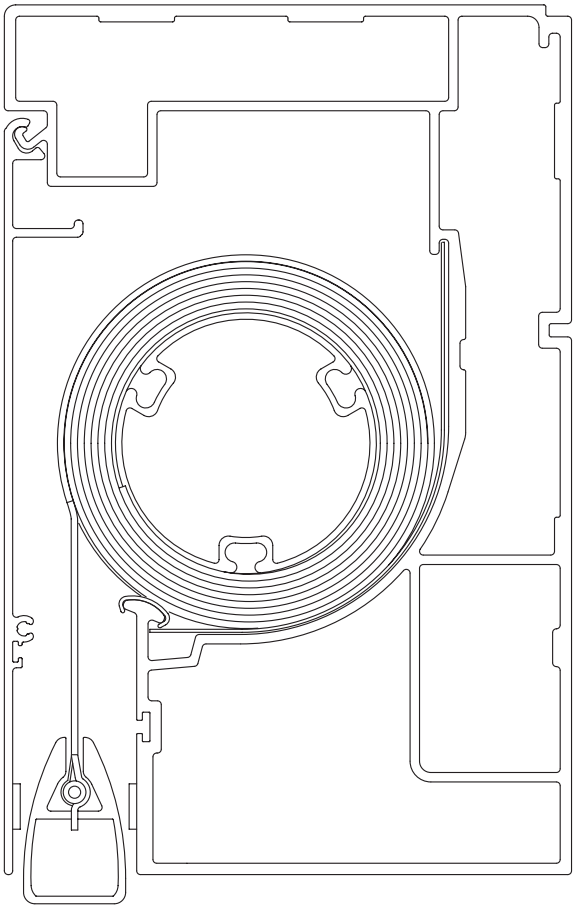


Cross-sections and dimensions

Vertical sun protection



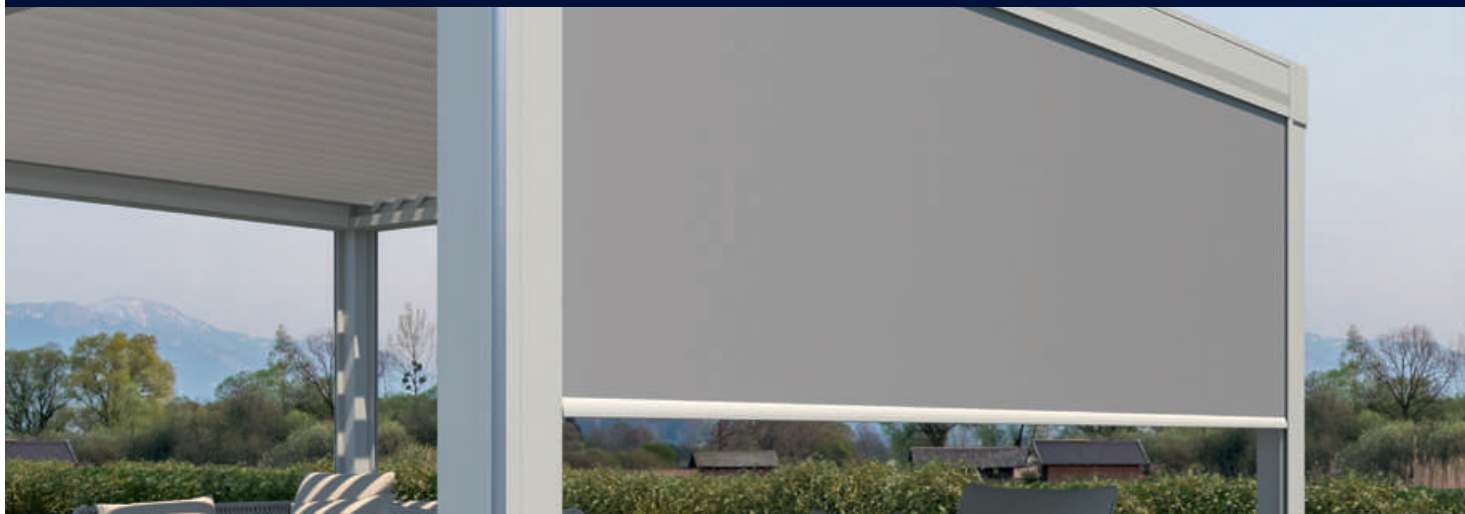
Vertical sun protection extended
(frame bottom edge up to OKFF)



Vertical sun protection retracted

Artares sun protection

Vertical sun protection



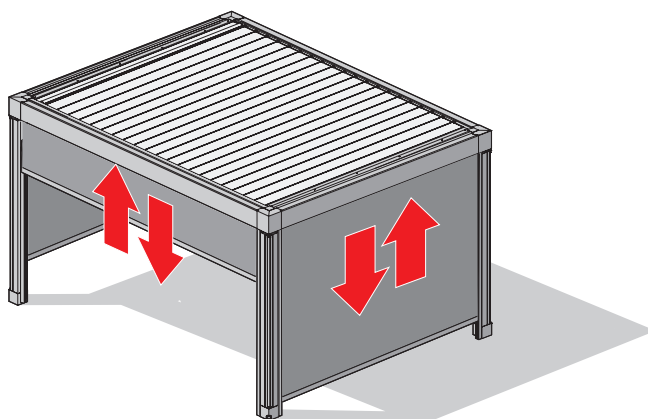
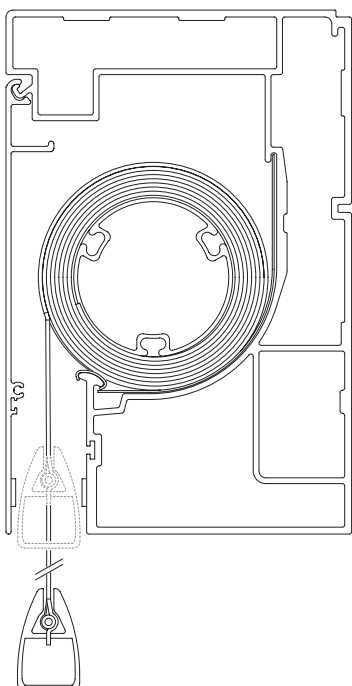
Integrated vertical sun protection

The integrated vertical sun protection is elegantly integrated into the construction of the louvred roof integrated – for a seamless look. It protects against prying eyes and the low sun. Upon request, it can be integrated for individual sides or also all the way round. Retrofitting this system later will soon be possible, too.

Wind resistance class

The vertical sun protection from weinor withstands a wind speed of up to 49 km/h, thus fulfilling DIN 13561 wind resistance class 3 (wind strength 6 on the Beaufort scale). This means they can only be used/operated in conditions up to wind resistance class 3.

Fascia cross-section with vertical sun protection



The integrated vertical sun protection can be operated from all sides individually.

Radio control

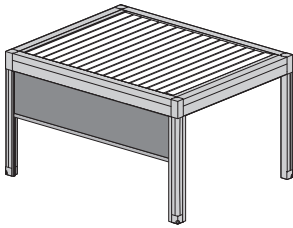
The integrated vertical sun protection can only be operated using the weinor BiConnect radio controller. The cabling is pre-manufactured in the frame at the works and delivered ready to plug in. The drive uses BiConnect remote-controlled motor elero SunTop 868.



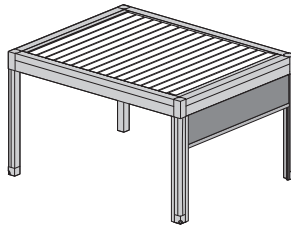
Vertical sun protection

Vertical sun protection combination options

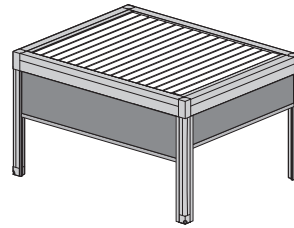
A few examples of combination options with the integrated vertical sun protection.



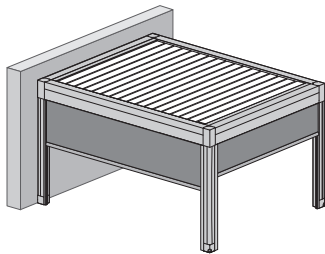
Vertical sun protection on the short side



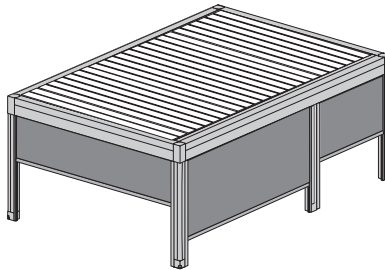
Vertical sun protection on the long side



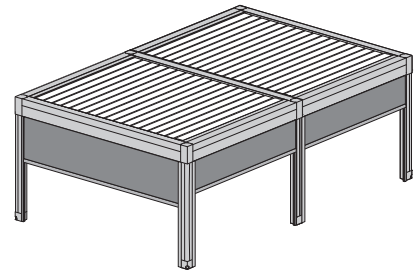
Vertical sun protection on the short and long side



Vertical sun protection on the short and long side with wall connection



Vertical sun protection on the long side, split on the short side



Vertical sun protection on the short and long side, coupling on the long side

Maximum dimensions for the vertical sun protection

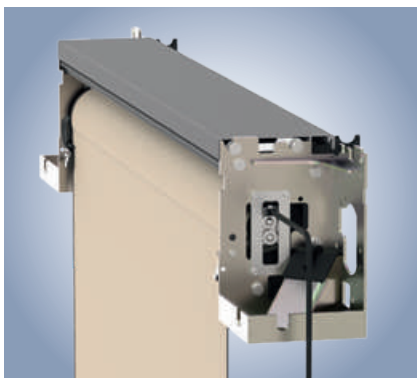
Vertical sun protection	Width (max.)	Height (UKR - OKFF)
1-part	6,000 mm	2,600 mm

Wider constructions (2-part) must be split accordingly with the middle post. When retrofitting the vertical sun protection, a possibly necessary middle post can also be retrofitted.

Note:

Vertical sun protection can also be retrofitted. When ordering, take the connection pre-equipment for vertical sun protection into account including the necessary connecting lead integrated in the frame.

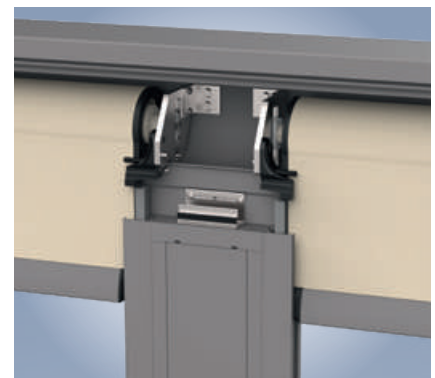
Vertical sun protection details



Vertical sun protection motor side



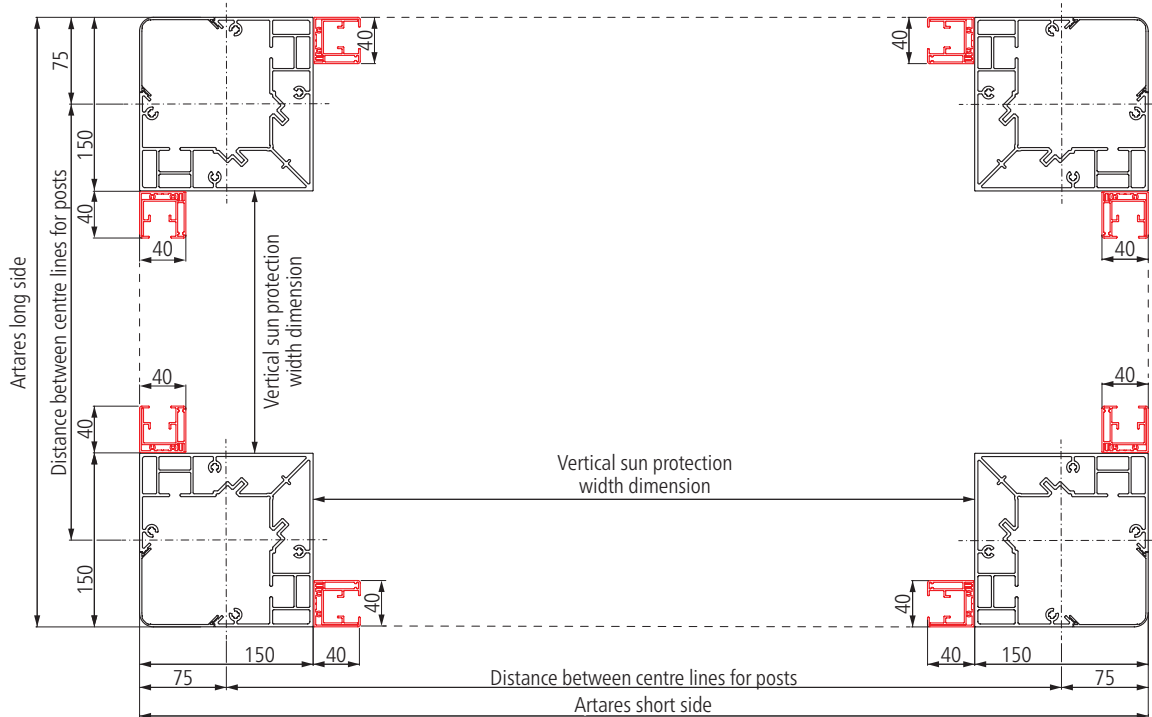
Vertical sun protection bearing side



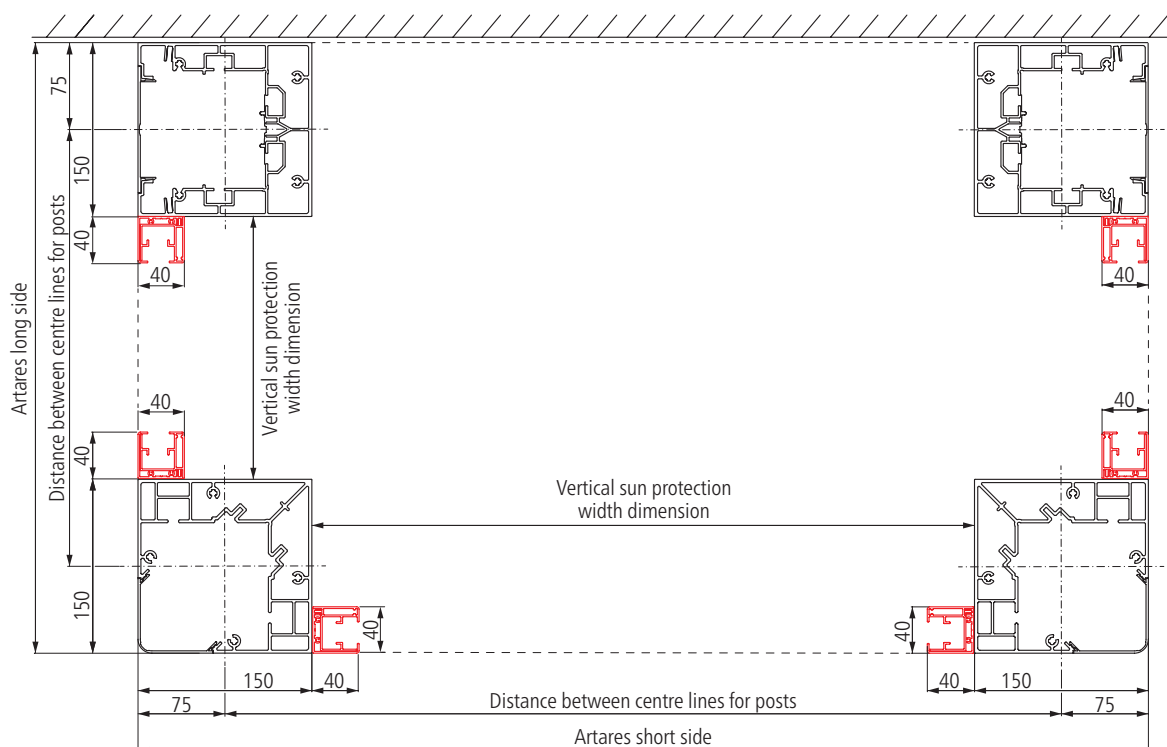
Vertical sun protection using the example post centre (double-sided)

Vertical sun protection

Free-standing Artares with vertical sun protection on all sides

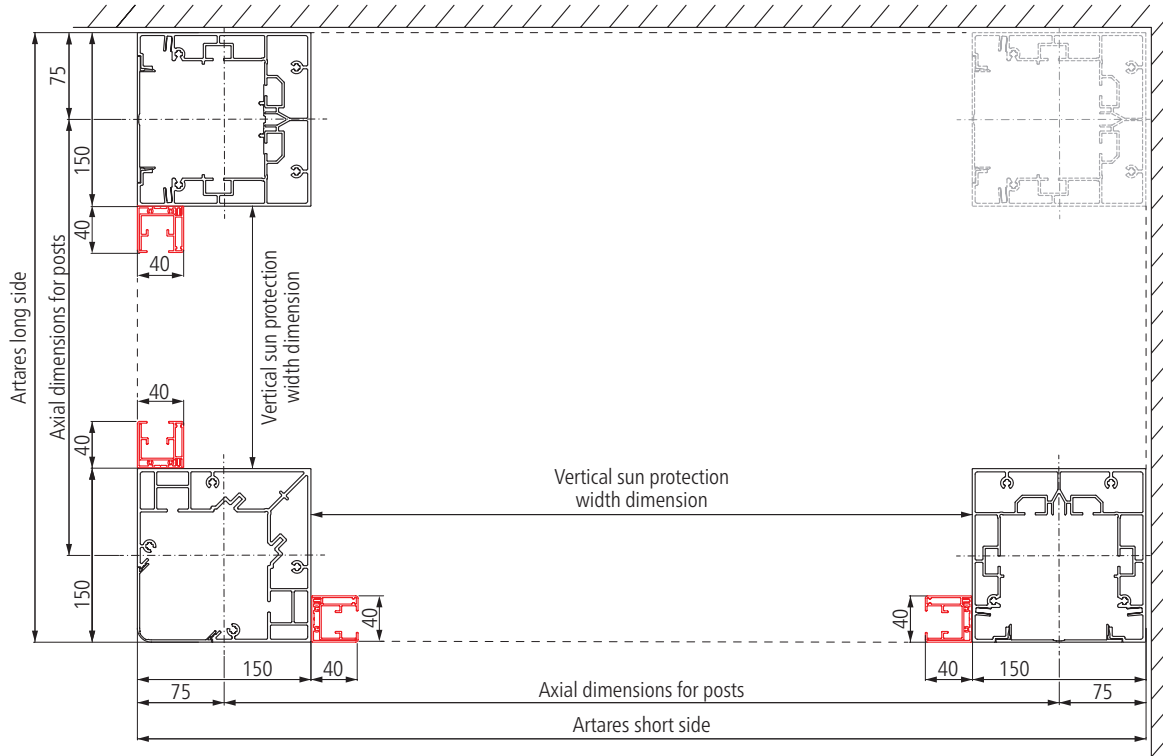


Artares wall situation with vertical sun protection on three sides

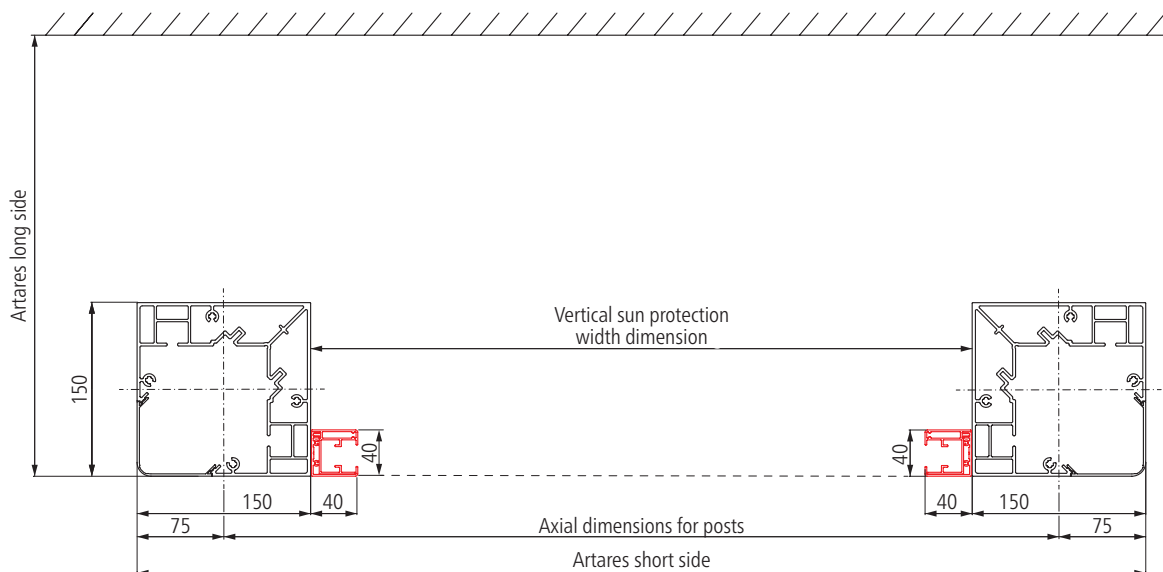


Vertical sun protection

Artares corner wall situation with vertical sun protection on two sides

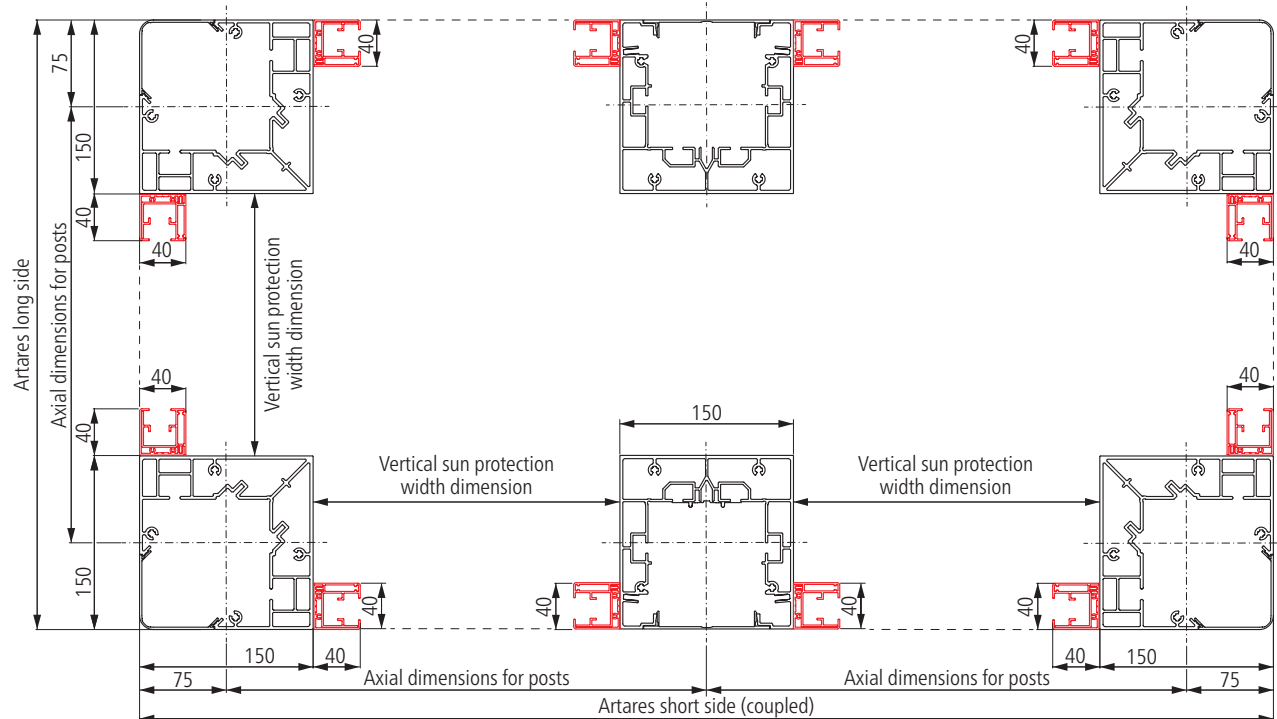


Artares wall situation with 2 posts and vertical sun protection at the front

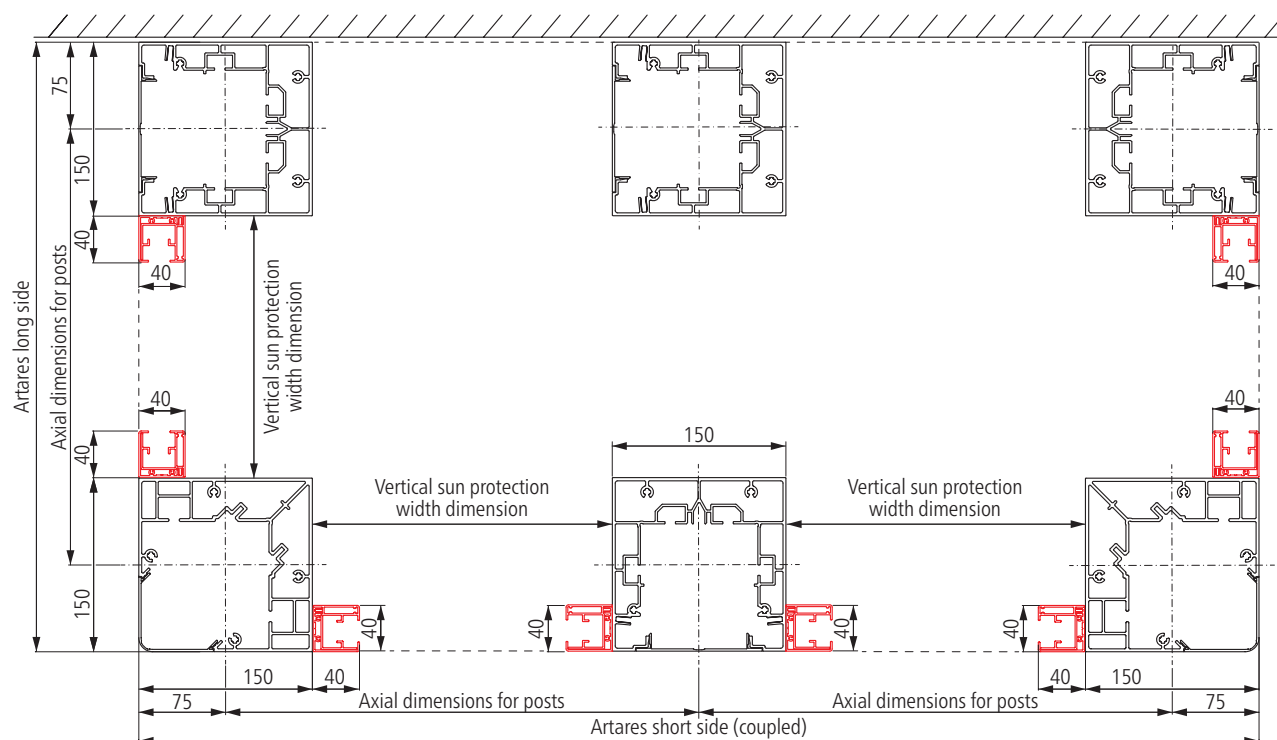


Vertical sun protection

Free-standing Artares with vertical sun protection on all sides

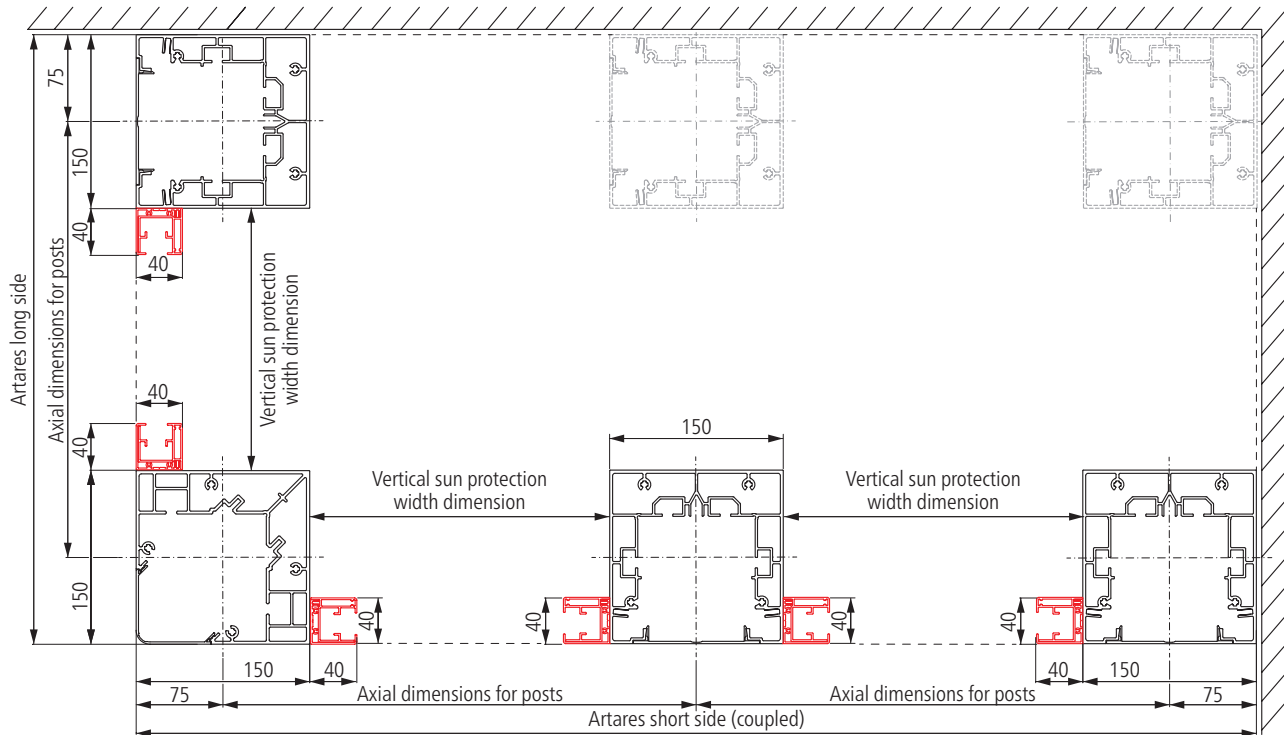


Artares wall situation with vertical sun protection on three sides

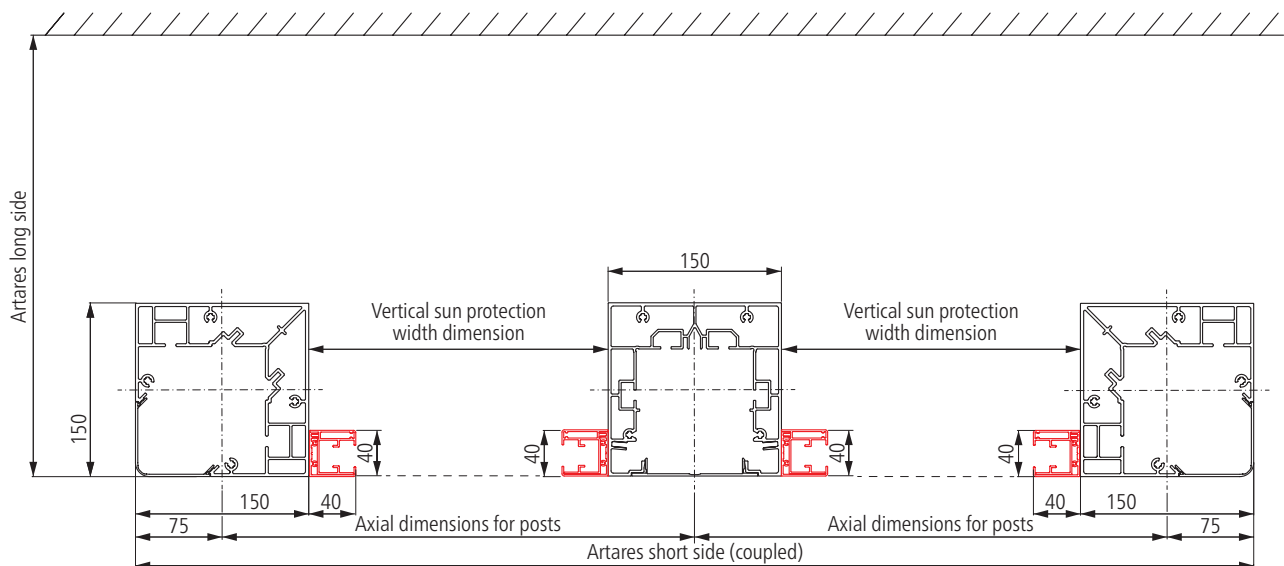


Vertical sun protection

Artares corner wall situation with vertical sun protection on two sides



Artares wall situation with 3 posts and vertical sun protection at the front



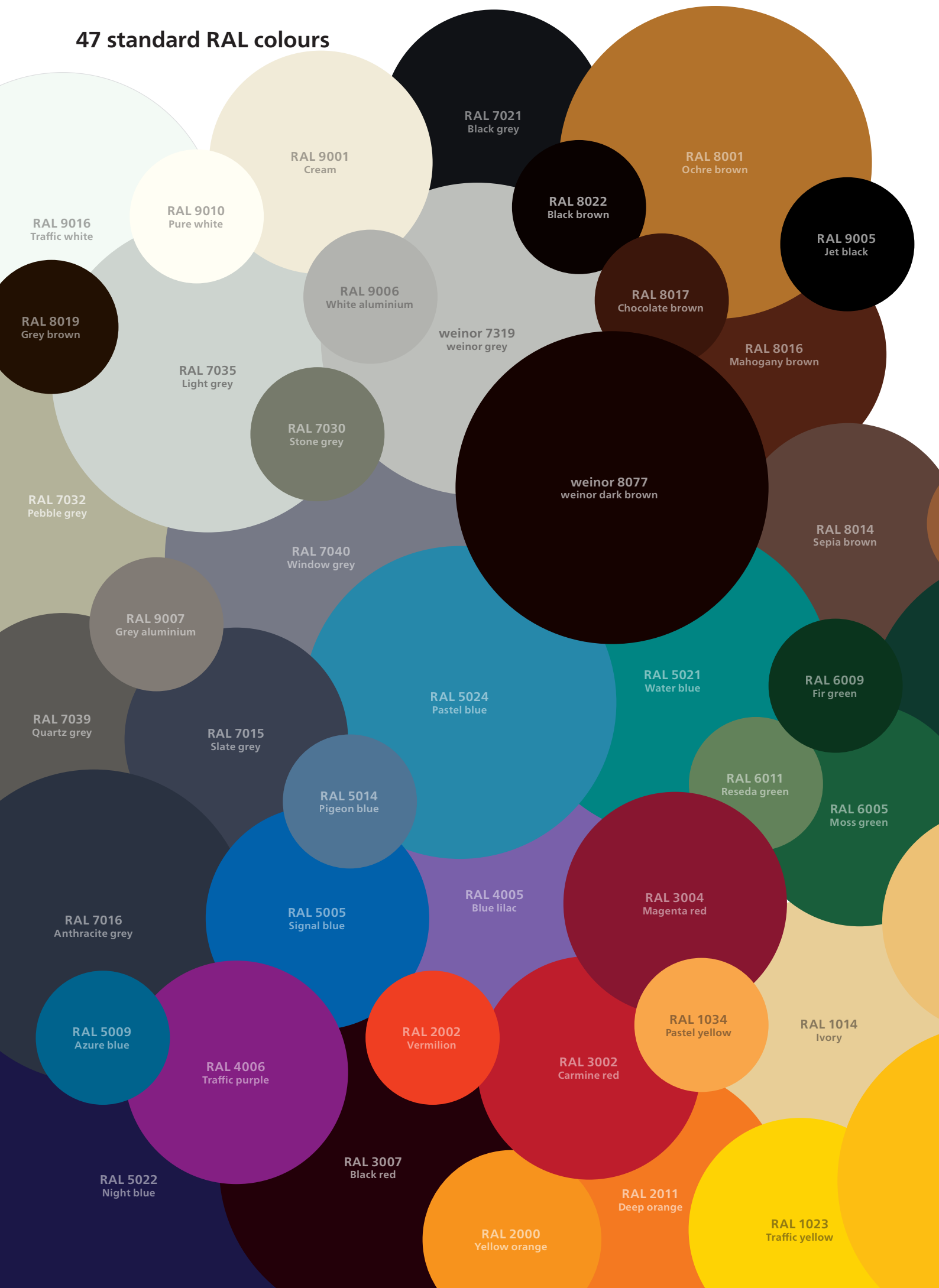
Artares installation tool list

Tool/machines	Size	Use
Torque wrench 1/4 inch, 4-20 Nm		Miscellaneous bolting
Torque screwdriver 1/4 inch, 1-3.5 Nm		Miscellaneous bolting
Bit extension for ratchet spanner 175mm flexible, 1/4 inch		Self-tapping screws in the corner joint
Allen screw with a cross handle	4, 5, 6, 8, 10	Miscellaneous bolting
Allen wrench set	1.5 - 10; 9-part	Miscellaneous bolting
Hexalobular (ISR) set	TX10,15, 20, 25, 27, 30	Miscellaneous bolting
Socket wrench	8, 10, 11, 12, 13, 17	1/4 & 1/2 inch set with extensions and flexible shaft recommended
Long-nosed pliers	160 mm	For installation of the retaining rings in the louvre holder profile and the drive rod
One-handed clamps	Min. 300 mm	To lock the connecting parts in position, e.g. vertical sun protection wall rails
Soft-head hammer with a nylon insert	400 gr	As required
Machinists' hammer	500 gr, 800 gr	As required
Bevelling shear	For straight and 45° cuts	Cut rubber seal to length
2K security knife	Length 170 mm	To open packaging
Circular saw with aluminium/steel disc		As required
Hacksaw (handheld)		To cut the downpipe to length
Mitre saw for aluminium	Lift/pull per 155 mm	Saw posts to length, various cuts
Screws/dowels/anchors	As required	For wall connection profile; post base, post plate
Sealant gun		Processing adhesive and sealing compounds
Putty knife		Processing adhesive and sealing compounds
Primer	suited	Preparation of the assembly base for applying the adhesive and sealing work
Sealants/adhesives	suited	Sealing, gluing, plugging
Percussion drill		For drilling fixing holes into the ground
Rechargeable battery-operated drill		As required
Masonry drill		10, 12, 14, 16 mm l = 450mm
Screw tap / Thread cutter		Re-cutting thread if necessary
Filler cord	D = 1 cm	Wall connection profile to the building
Corrosion protection for posts		Setting posts in concrete
Cable reel	As required	
Ladder	at least 2 m	Quantity: 2
Tape measure	15 m (weinor)	Aligning the unit
Telescopic measuring stick	5 m	Aligning the unit
Spirit level	2 m long	Guttering, wall connection profile, plumb the posts
Hose level	20 m	Aligning the unit
Adjustment kit for Elero with breakout cable		Setting the motor, louvre motor, motors for vertical sun protection

Artares installation tool list

Tool/machines	Size	Use
Metal twist drill bits	Set of 1 to 13 mm minimum	Re-drilling of powder-clogged holes, normal drill holes, guttering drill holes in the post (D8 mm)
Countersink and deburrer	Set 6.3 - 20.5	DIN 335 form C 90°Æ10,4; to counterbore drilled holes
Folding rule/tape measure	2 m	Measuring, alignment of the mounting system
Laser/levelling device with a stand and receiver		e.g. rotation laser, crossline laser > measuring, installation
Plumb-line	5 m	
Cleaning agent Isopropanol	e.g. Isopropanol	For adhesives and sealing compounds
Touch-up pens		For any touch-up work
Pens, scribes		for markings
Calculator		
Digital camera		Installation photos
Disposable gloves		Handling cloths
Side cutters		for electrical connections
Voltage meter tester		for electrical connections
Wire stripper		for electrical connections
Cleaning cloth roll		for cleaning the equipment
Cleaning cloths		for cleaning the equipment
Film cutter 1)		For cutting the protective film for the fabric rolls open (vertical sun protection)
Installation lifts, 2 pcs.		Profiles/awning can be placed on it and raised
Butyl tape		Wall profile on the side of the building
Screwing machine for Krinner screw foundations	As required	for Krinner screw foundations
Rivet gun / rivet pliers / rivet nut pliers	For thread rivets M6, M8 as well as blind rivets D4, D5	Retrofitting the middle post, corrections to the U-profile, retrofitting Tempura, post base attachment
Adjustable trestle		Louvres, revision profiles, fabric packages can be placed on it
Hot hair dryer		In order to remove folds from fibreglass screens
Protective work clothing (shoes, gloves, ...)		As required
Support blocks, bearing capacity up to 4 t	1 - 5mm	

47 standard RAL colours



Over 200 modern frame colours

Colour manufacturers make every effort to guarantee colour stability. Despite this, as a result of the ban on the use of heavy metals in powder coatings, it therefore cannot be excluded that colours in general, and Fire Red (RAL 3000) in particular, may fade with time.

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

Identical colours – for a perfect match

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

Choose from an abundance of high-quality colours:

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

RAL 8003
Clay brown

RAL 6012
Black green

RAL 1002
Sandy yellow

RAL 1015
Light ivory

RAL 1003
Signal yellow

9 trend colours

WT 029/80081
Iron glimmer
effect P7

WT 029/80077
Approx.
DB 703 metallic

WT 029/10797
Approx.
RAL 9010

WT 029/90146
Approx.
RAL 9006 metallic

WT 029/71289
Approx.
RAL 7016

WT 029/50704
Approx.
RAL 6009 metallic

WT 029/90147
Approx.
RAL 9007 metallic

WT 029/70786
Sparkling iron
effect

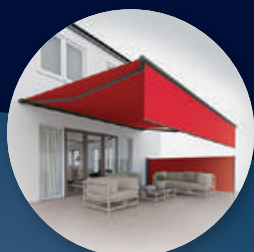
WT 029/60740
Chestnut 04
metallic



Premium quality
made in Germany



Awning
with Tempura



Awning
with Valance Plus
and Paravento



Pergola awning
Plaza Viva
and Paravento



Pergola awning
weinor PergoTex II
with VertiTex II



Artares louvred roof
with vertical sun protection



Terrazza Semptra
patio roof
with Sottezza II and
VertiTex II



Terrazza Originale
patio roof
with Sottezza II
sun protection



Terrazza Pure patio roof
with lateral SUPER LITE
fixed glazing



Glasoase® with
conservatory awning
WGM Top, full glass sliding
door w17 easy and Tempura

PATIO ROOFS AND GLASOASEN®

PERGOLA AWNINGS

CUSTOMISED, SYSTEMISED SOLUTIONS

