



Wind protection and extra privacy

markilux format

Modular screen system with a unique textile character – ideal for patios, gardens and integration into markilux awning systems

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We reserve the right to make technical alterations without giving prior notice. All the dimensions quoted are close approximations. Up-to-date technical information can be found in the password-protected dealer access area at pro.markilux.com.

Product characteristics

markilux format Basic frame

01

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04

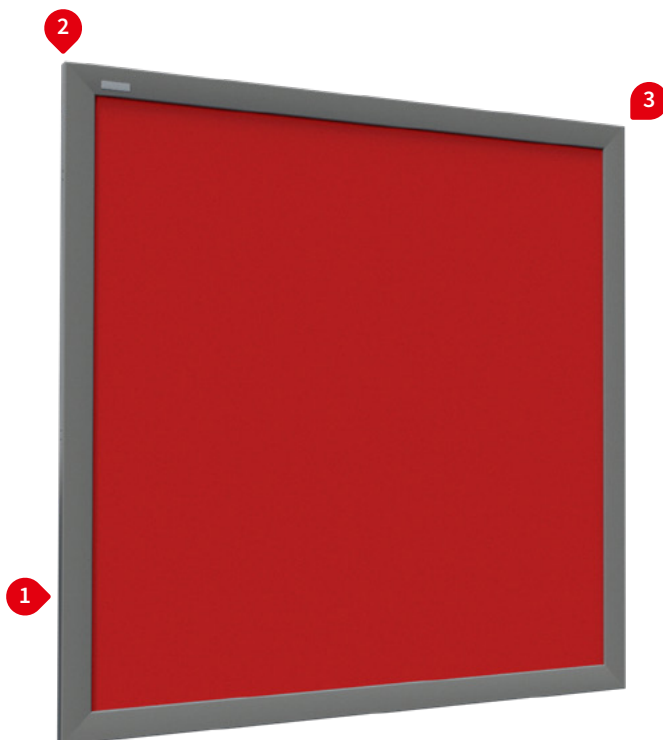
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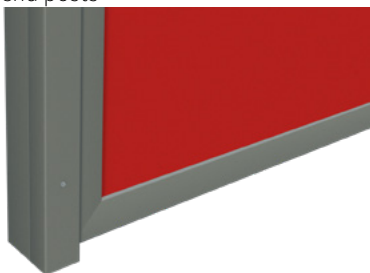
07

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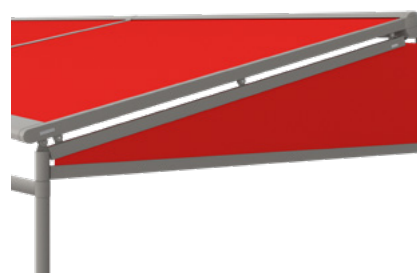
1 markilux format Fixed screen, with end posts



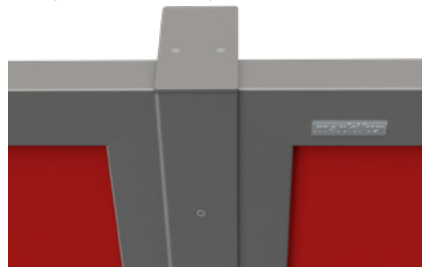
1 markilux format Clamp bracket



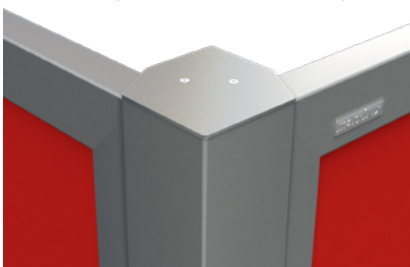
markilux format Triangular screen



2 markilux format Fixed screen, central post with cover profile



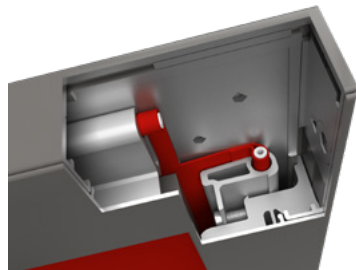
2 markilux format Fixed screen, 90° corner post with corner cover profile



markilux format with Panorama window 1) fitted to a markilux markant



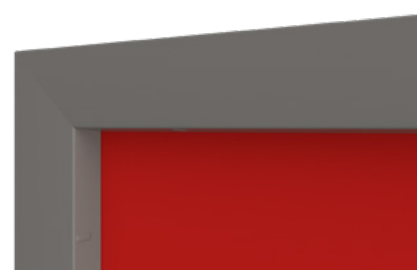
3 Cross section markilux format basic frame



Detail of the cover side / front



Detail of the frame side / rear



1) optional configuration

Product characteristics

Description

- Rectangular screen system with aluminium frame and textile cover as wind protection and for extra privacy, individually up to 7.5 m² Size – can be extended by adding extra modules. Also available as a triangular version for attaching to the side of a markilux pergola.

Special features

- Excellent combination of modern, timeless design and maximum stability
- Top-grade, weather-resistant and easily cared for aluminium frame without visible connection fittings
- The invisible, all-round fixing of the fabric in the frame ensures that the visible part of the panel is reduced to a minimum of material – frame and fabric
- Individual design options in terms of size, frame colour and a selection of more than 200 fabric patterns – benefits the environment and conserves resources “made in Germany”
- Optionally, the cover can have a markilux panoramic window which offers an unobstructed view and provides a welcoming atmosphere
- The long service life is underscored by the fact that it is possible to re-tension and exchange the fabric panel
- Various fixture options ensure wide-ranging use: direct fixture of the basic frame using adjustable brackets or with posts for installation onto footings
- Can be used widely for both private and commercial properties: patios, balconies, car ports, gardens, glass canopies, covered seating areas, façades etc. or in combination with the markilux pergola, markilux markant or markilux construct (the version with square posts in each case)

Dimensions

- Basic frame of the format: unit width 30–300 cm, unit height 30–250 cm, maximum size 300 × 250 cm
- format held in place by brackets: unit width 30–300 cm, unit height 30–250 cm, maximum size 300 × 250 cm
- format fitted onto footings: unit width 40–250 cm, unit height 40–200 cm, maximum size 250 × 150 cm / 200 × 200 cm – the units can be added to one another to form a row or corner feature
- format in triangular form: unit width 30–600 cm, unit height 30–150 cm – made to order

Profile specifications

- Extruded aluminium, in façade quality, powder coated
- Two-piece frame profile, width 67 mm × depth 42 mm
- Posts width 70 mm × depth 74 mm with cover profile, 75 mm, when used as outer posts including side panel 20 × 46 × 20 mm
- Corner posts 74 × 74 mm with corner cover panel 97 × 97 mm

Installation

- Using two opposite sides, vertically or horizontally; Bespoke fixture on request
- Basic frame: without brackets, direct fixture through the frame profile
- Adjustable brackets including screw-on clamp profiles
- Fixed with end / intermediate / corner posts to be embedded in concrete

N.B! For structural reasons, the markilux format can only be fixed to the side of the markilux pergola as a triangular version! In this case, a stabilising profile has to be fitted between the pergola posts.

Frame colours

markilux awning colours without surcharge

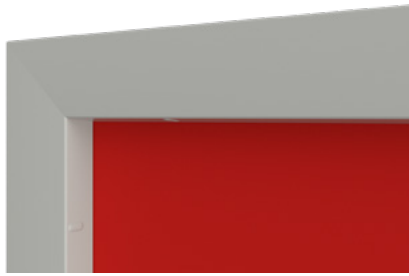
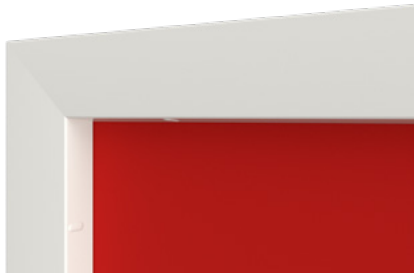
01

Verkehrsweiß RAL 9016

Weiß-Aluminium RAL 9006

Graubraun ähnlich RAL 8019

02



03

04

05

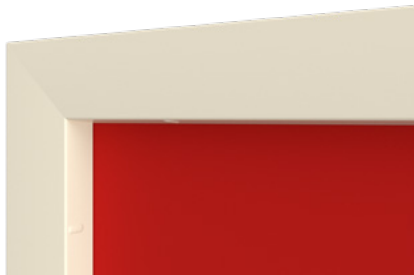
06

Cremeweiß-Struktur 5233 ¹⁾Steingrau-metallic 5215 ¹⁾Anthrazit-metallic 5204 ¹⁾

07

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09

Havannabraun-Struktur 5229 ¹⁾

Awning cover	Fabric range no.	Standard	Optional
sunvas	301.. / 309..–315..	✓	—
perla	370 ..	—	—
sunsilk	324.. / 325.. / 328.. / 369..	—	—
perla FR	374.. / 375..	—	—
perfortex	331.. / 332..	✓	—
transolair	338.. / 339 ..	—	✓
vuscreen Alu	317..	—	✓
Soltis Perform 92	92-20..	—	—
Glass fibre screen	272..	—	✓

Non-standard powder-coated finish

Bespoke frame colours incur a surcharge – matt, metallic, finely textured and pearl finishes as well as other colour ranges (DB, Tiger etc.) on request. All frame colours are available at a surcharge with enhanced corrosion protection.

Colours may differ slightly from those depicted in both hue and finish.

1) textured finish

Illustrations viewed from the frame side.

Dimensions and configuration options

markilux format **Basic frame**

Frame fixture*

			Order width				
			100	150	200	250	300
			30 — 100	101 — 150	151 — 200	201 — 250	251 — 300
Order height	100	30 – 100	1)				
	150	101 – 150					
	200	151 – 200					
	250	201 – 250					

dimensions in cm

markilux format **Number of brackets**

Bracket fixture

			Order width				
			100	150	200	250	300
			30 — 100	101 — 150	151 — 200	201 — 250	251 — 300
Order height	100	30 – 100	1)				
	150	101 – 150					
	200	151 – 200					
	250	201 – 250					

dimensions in cm

The number of brackets depends on the order dimensions;
see the section "Installing markilux format brackets"

markilux format **Fixed unit**

Posts attached to footings

			Width to order			
			100	150	200	250
			40 — 100	101 — 150	151 — 200	201 — 250
Height to order	100	40 – 100	1) 2)	2)	2)	2)
	150	101 – 150	3)	3)	3)	3)
	200	151 – 200	4)	4)	4)	—

Dimensions in cm

markilux format **Triangular Unit**

Installed on the markilux pergola / markilux construct

		Order width										
		100	150	200	250	300	350	400	450	500	550	600
		30 — 100	101 — 150	151 — 200	201 — 250	251 — 300	301 — 350	351 — 400	401 — 450	451 — 500	501 — 550	551 — 600
Order height	100	30 – 100	1)									
	150	101 – 150										

dimensions in cm

Note: Precise measurements required. See the section "*markilux format Triangular Unit*".

Every triangular unit of the markilux format is custom made and tested for its feasibility before the order is accepted.

* = Also installed in the markilux markant and markilux construct (the variant with corner posts in each case)

1) = Please observe the minimum dimensions

2) = Posts without steel core

3) = Posts with steel core; steel core length = 128 cm

4) = Posts with steel core; steel core length = 178 cm

Overview of dimensions – markilux format basic frame

Without brackets, holes are drilled in the frame on site

04

Number of brackets in the case of side fixture

BH $\leq$ 100 cm $\rightarrow$ 2 drillholes

BH $\leq$ 150 cm $\rightarrow$ 3 drillholes

BH $\leq$ 200 cm $\rightarrow$ 4 drillholes

BH $\leq$ 250 cm $\rightarrow$ 5 drillholes

Number of drillholes when fixing at the top and the bottom

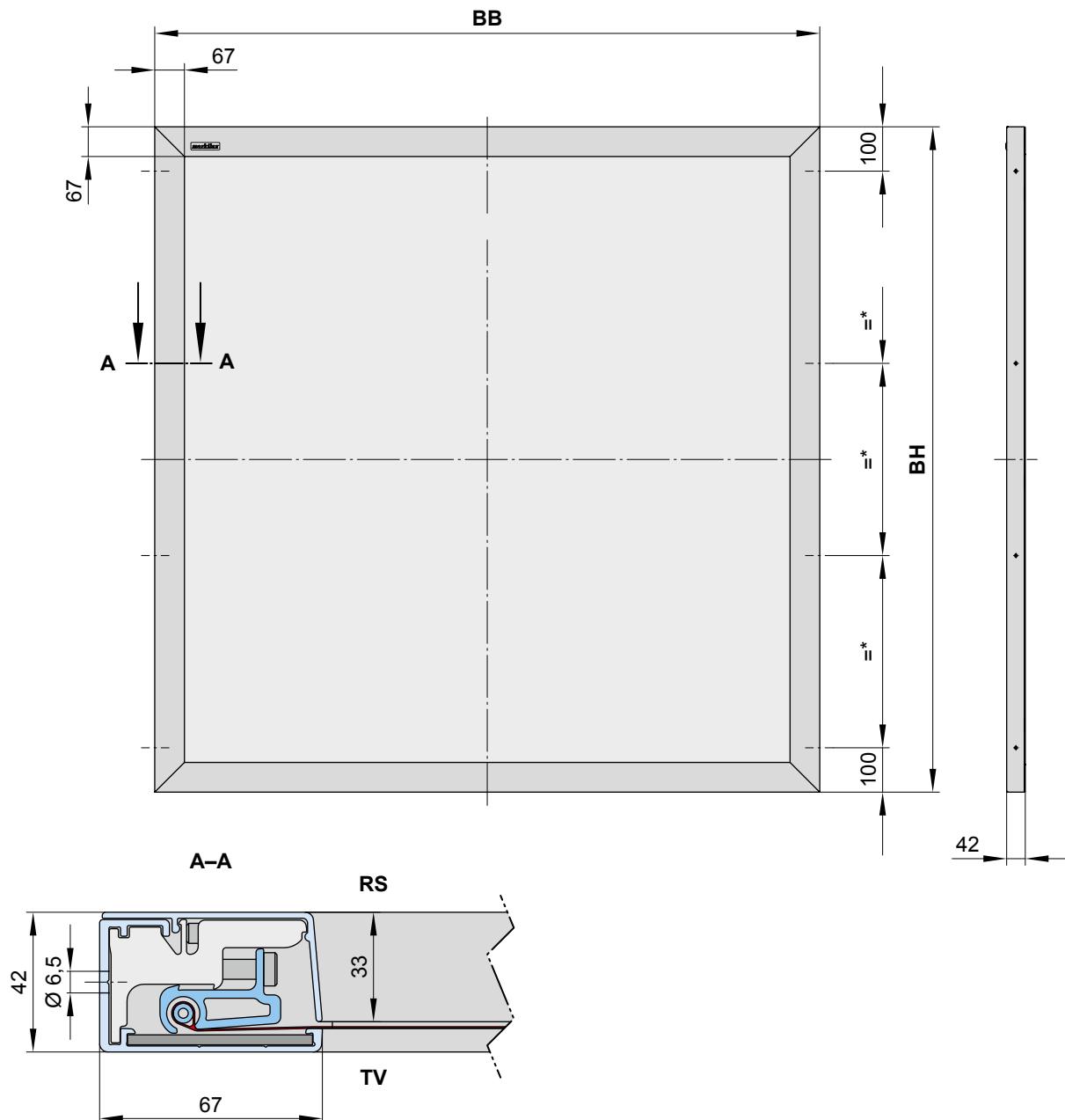
BB $\leq$ **100** cm $\rightarrow$ **2** drillholes

BB $\leq$ **150** cm $\rightarrow$ **3** drillholes

BB $\leq$ **200** cm $\rightarrow$ **4** drillholes

BB $\leq$ 250 cm $\rightarrow$ 5 drillholes

BB $\leq$ **300** cm $\rightarrow$ **6** drillholes



* = even fixing point distribution

dimensions in mm

BB = *order width*

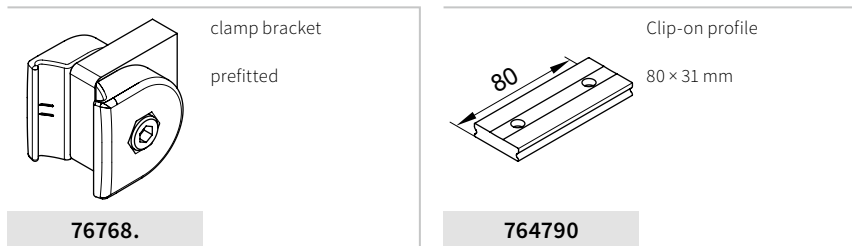
RS = rear / frame side

BH = *order height*

TV = front / cover side

Overview of dimensions – markilux format with bracket fixture

Fixtures, fittings and accessories



Number of brackets in the case of side fixture

BH ≤ 100 cm → 2 brackets

BH ≤ 200 cm → 3 brackets

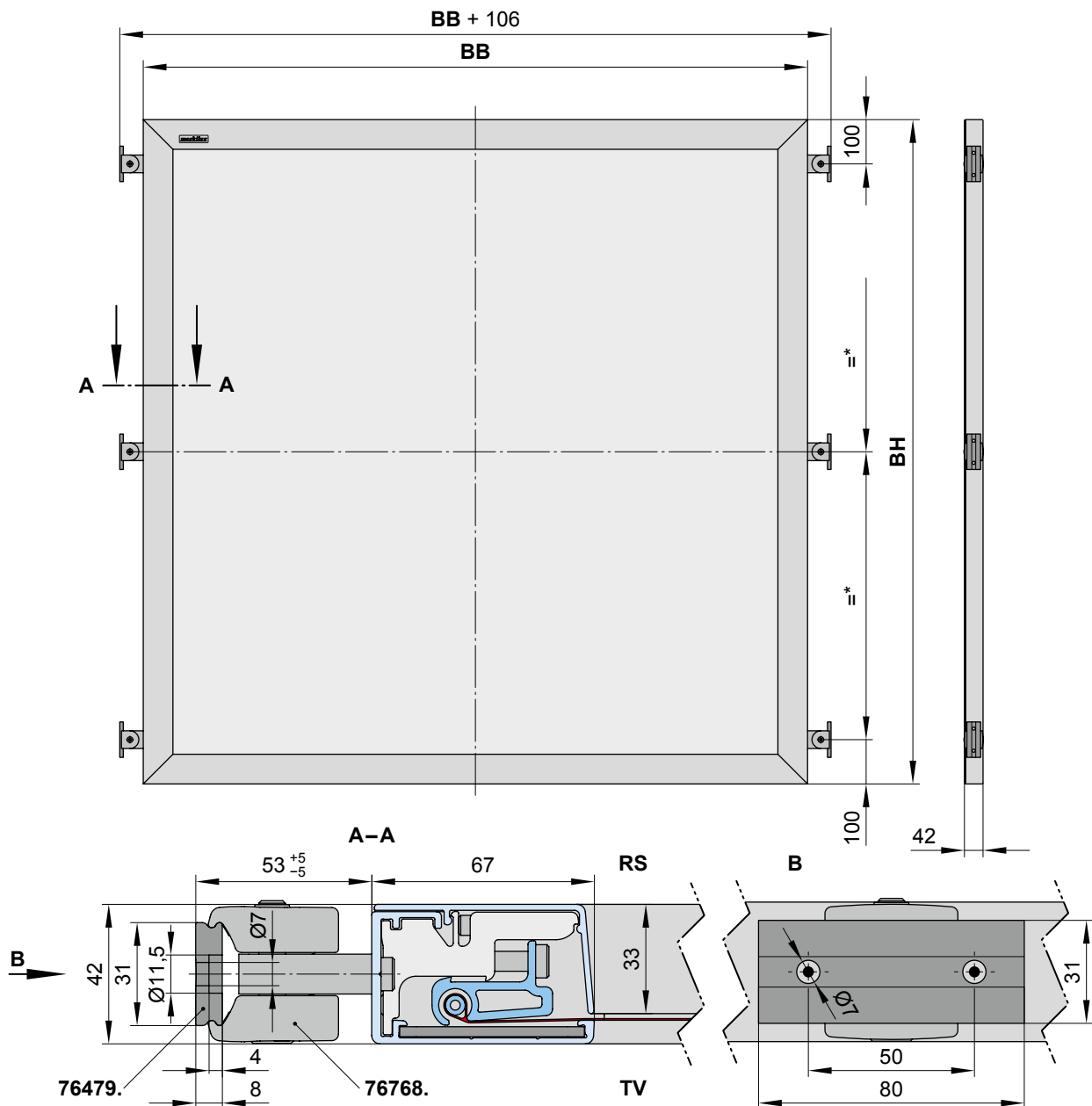
BH ≤ 250 cm → 4 brackets

Number of brackets when fixing at the top and the bottom

BB ≤ 100 cm → 2 brackets

BB ≤ 200 cm → 3 brackets

BB ≤ 300 cm → 4 brackets



* = even fixing point distribution

BB = order width

BH = order height

RS = rear

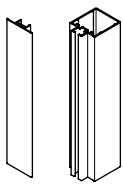
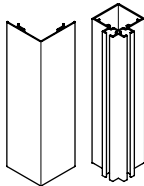
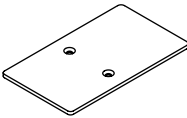
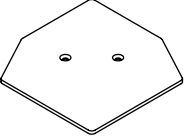
TV = front / cover side

dimensions in mm

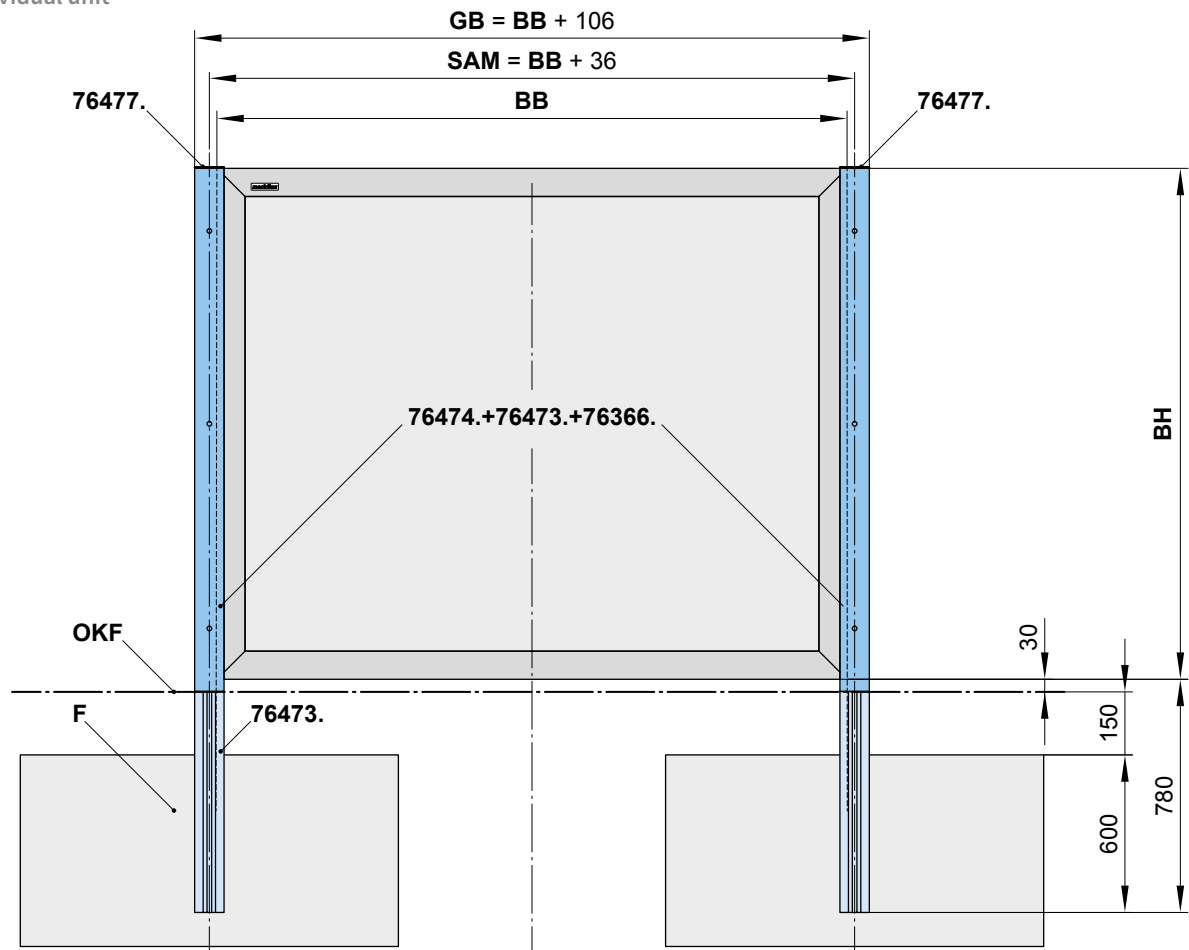
Overview of dimensions – markilux format fixed to footings

Fixtures, fittings and accessories

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 Cover profile and post 76366. and 76473.	 Corner cover profile and 90° corner post 76476. and 76475.	 Side cover profile for post 76366.
 Flat top plate for post 76477.	 Top cover plate for a 90° corner post 76478.	 Steel strengthening core for post, depending on the dimensions, from an ordered height of 100 cm included with the delivery 763191

Individual unit



dimensions in mm

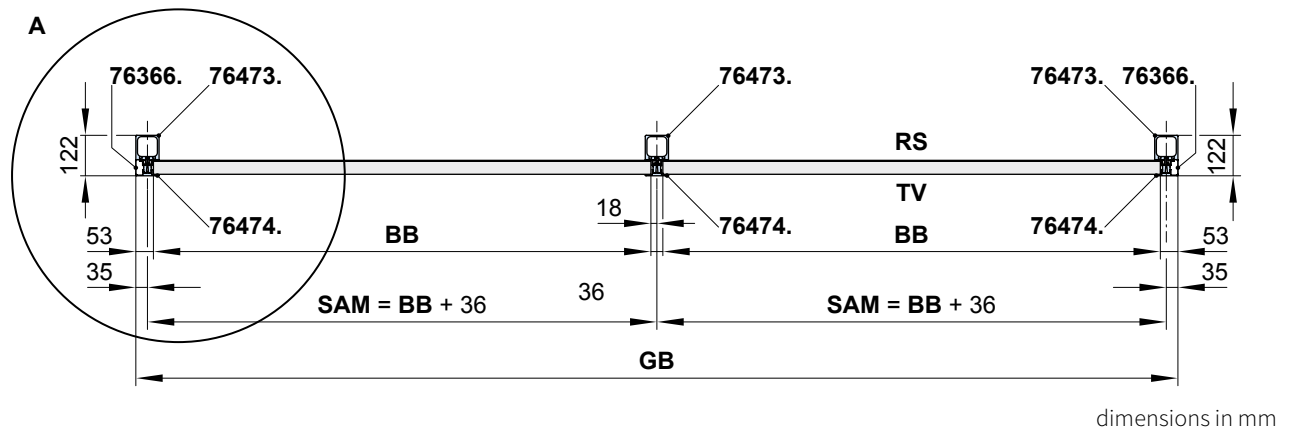
The structural design of the posts was based on a stagnation wind pressure of 585 N/m², wind load zone 2, mixed profile 2 and 3 (inland). This corresponds to wind speeds ranging from 24.5–28.4 m/s, wind force Beaufort 10. When calculating footing sizes, local idiosyncrasies (wind load zones, terrain category, etc.) need to be taken into consideration.

BB = order width
BH = order height
F = footing

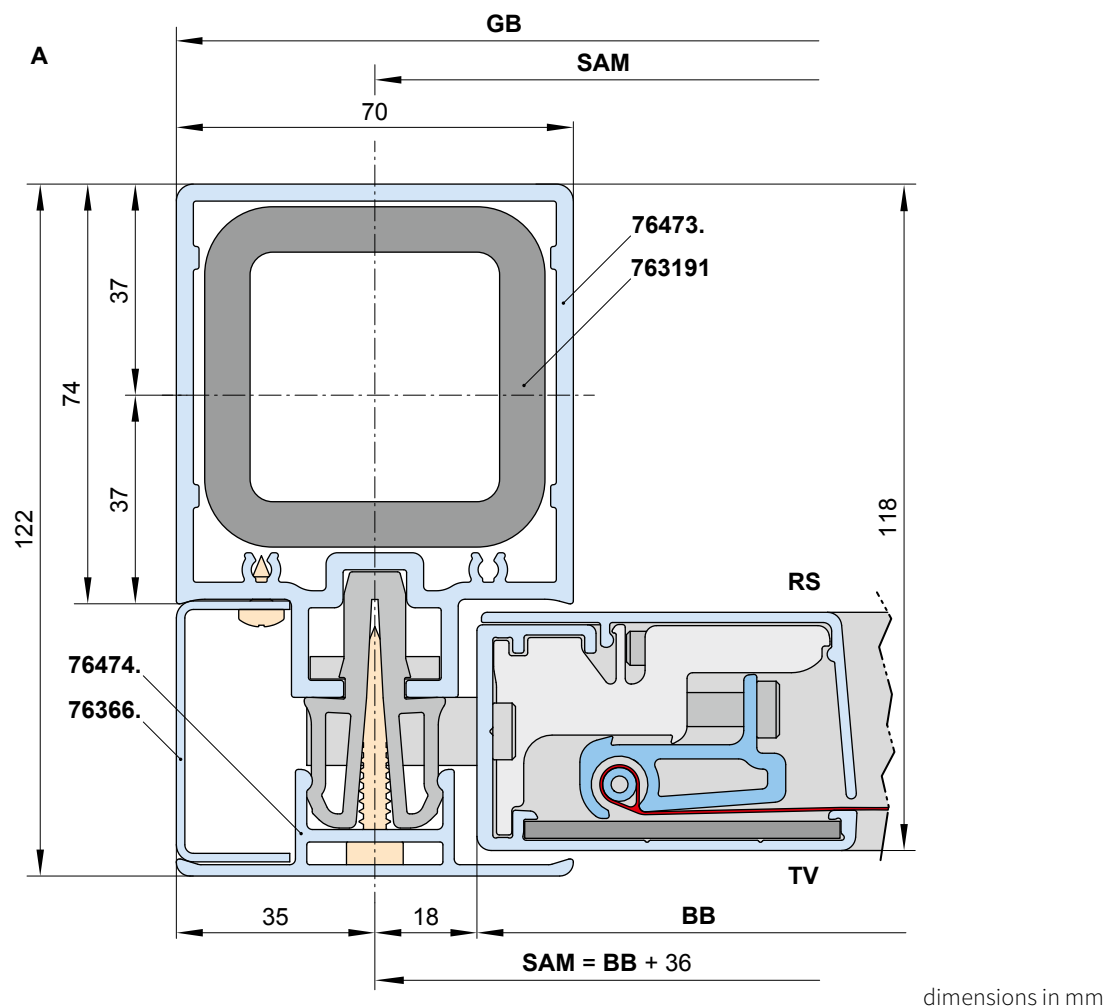
GB = overall width
OKF = ground level
SAM = centre to centre post measurement

Overview of dimensions – markilux format fixed to footings

Units in a row



Cross section of post with side cover profile

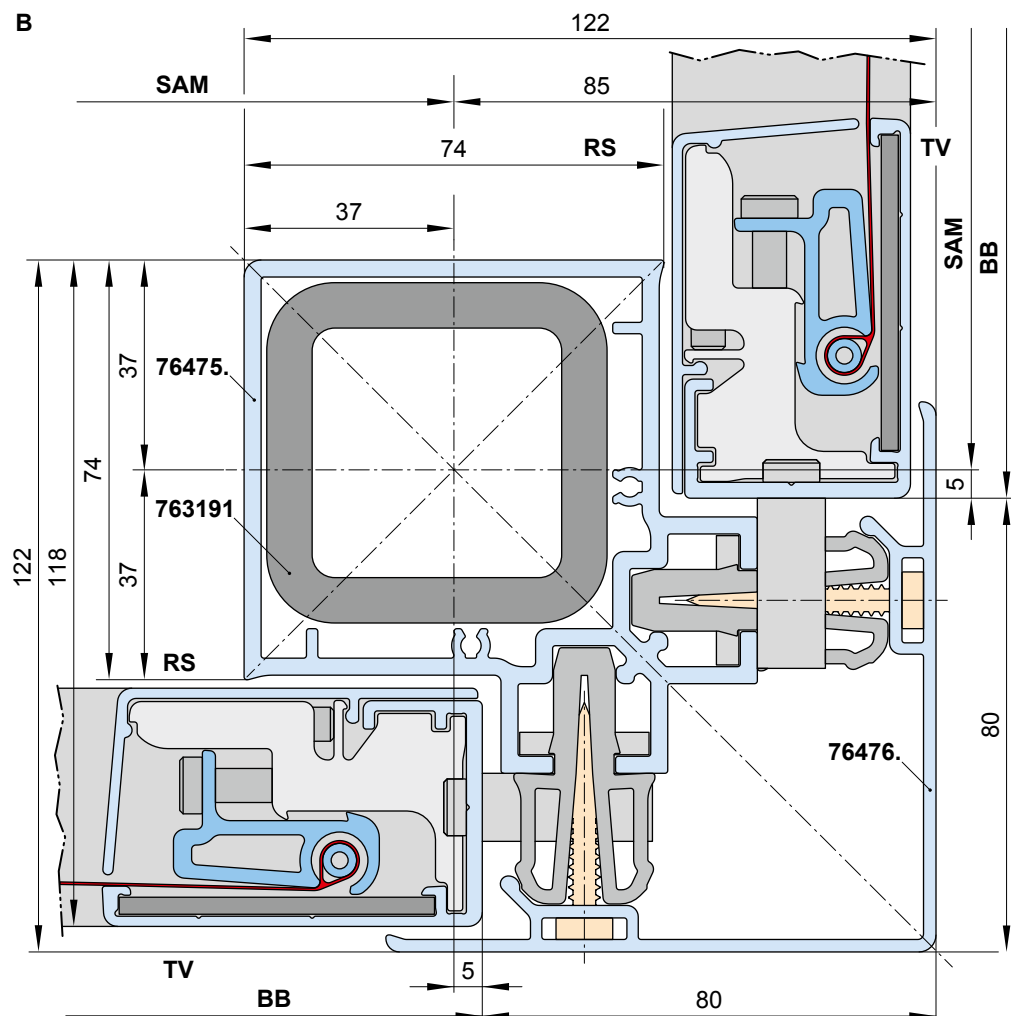
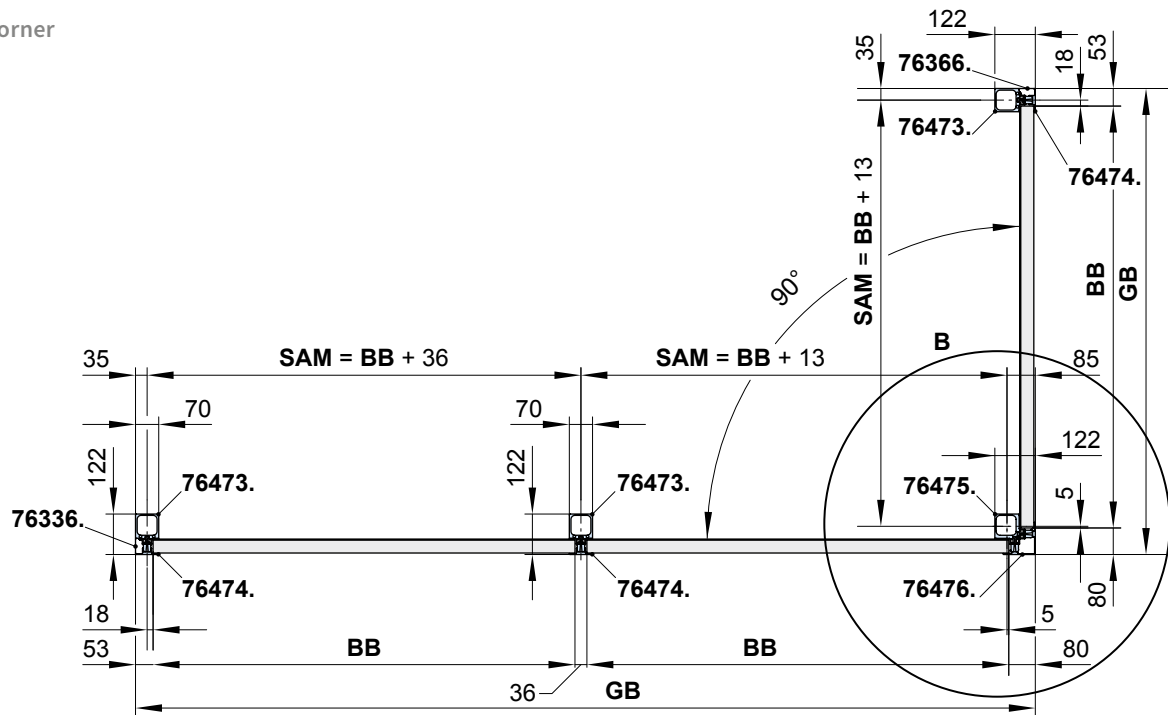


BB = *order width*
GB = overall width
RS = rear / frame side

SAM = centre to centre post measurement
TV = front / cover side

Overview of dimensions – markilux format fixed to footings

90° corner



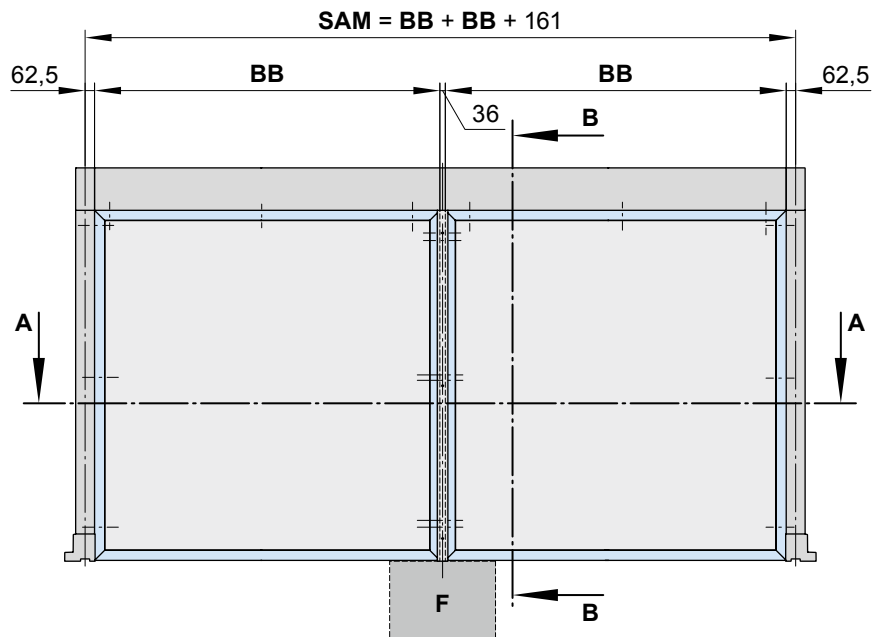
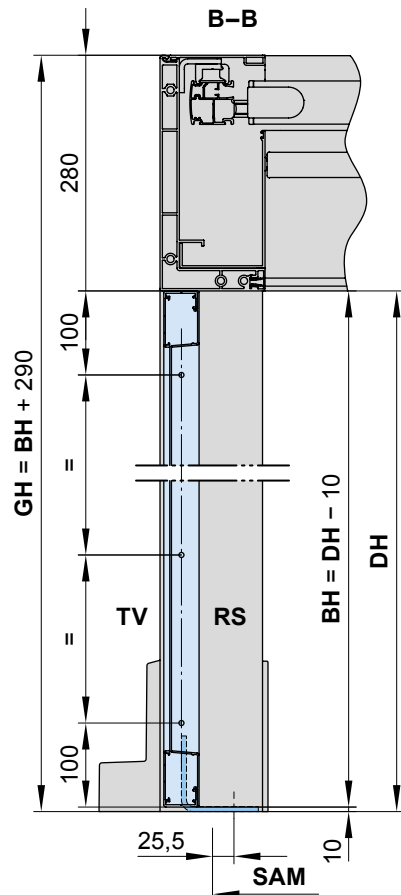
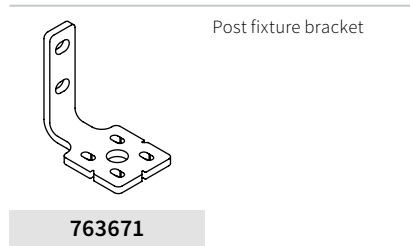
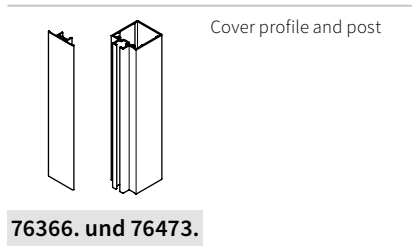
BB = *order width*
GB = *overall width*
RS = *rear*

SAM = centre to centre post measurement
TV = front / cover side

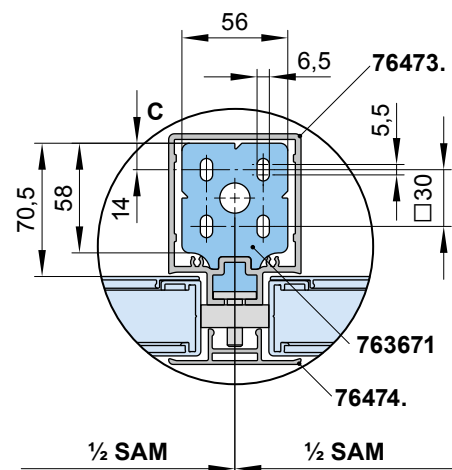
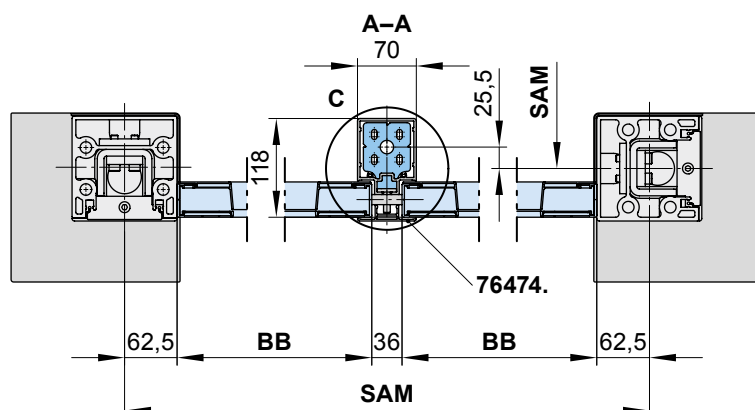
dimensions in mm

Overview of dimensions – markilux format fitted to a markilux markant

Fixtures, fittings and accessories



When calculating the footing sizes **F** of a central post and selecting appropriate fixing materials, local idiosyncracies (wind load zone, terrain category, etc.) need to be taken into consideration.



dimensions in mm

BB = order width

BH = order height

DH = headroom markilux markant

F = footing

GH = overall height

RS = rear / frame side

SAM = centre to centre post measurement, markilux markant

TV = front / cover side

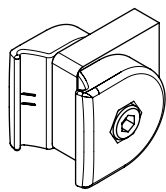
markilux format triangular version

Important advice

- For structural reasons, the markilux format can only be fitted in triangular form to the markilux pergola!
 - In this case, a stabilising profile has to be fitted between the pergola posts.
 - The baseplates of the pergola posts are made of steel and are heavier than the standard aluminium baseplates. In the case of coupled pergolas, steel baseplates are fitted to the outer posts and an aluminium baseplate is used in the centre.
 - A triangular markilux format may only be fitted to a markilux pergola with fixed posts.
 - It can only be fitted to a markilux pergola / syncra / construct with square posts.
- N.B!** A triangular markilux format may only be fitted to a markilux pergola if the following conditions are met:
- The markilux pergola is in wind load zone1 or wind load zone 2 (maximum stagnation wind pressure $q = 650 \text{ N/m}^2$)
 - The maximum extension of the markilux pergola if 1 triangular markilux format is to be fitted is 6 m at a maximum pitch of 15°
 - The maximum extension of the markilux pergola if 2 triangular markilux formats are to be fitted is 5.5 m at a maximum pitch of 15°

Overview of dimensions – markilux format triangular version

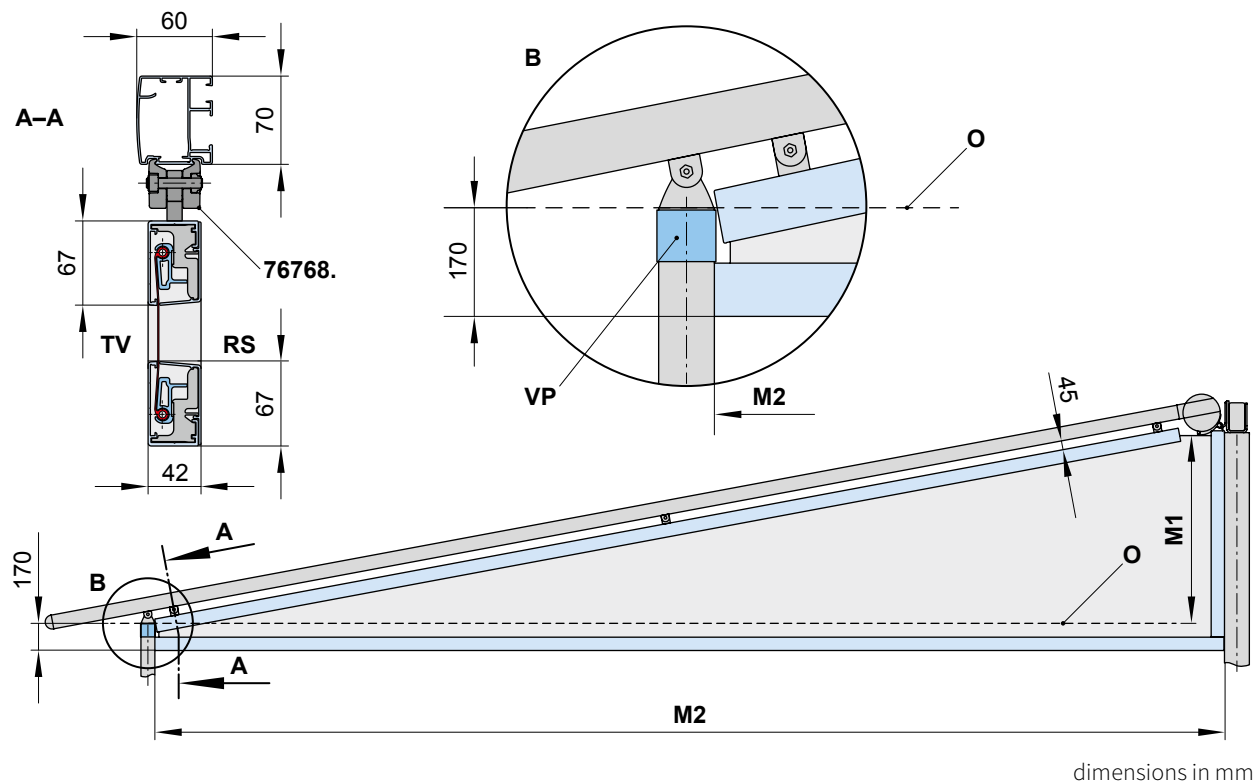
Fixtures, fittings and accessories



clamp bracket
prefitted

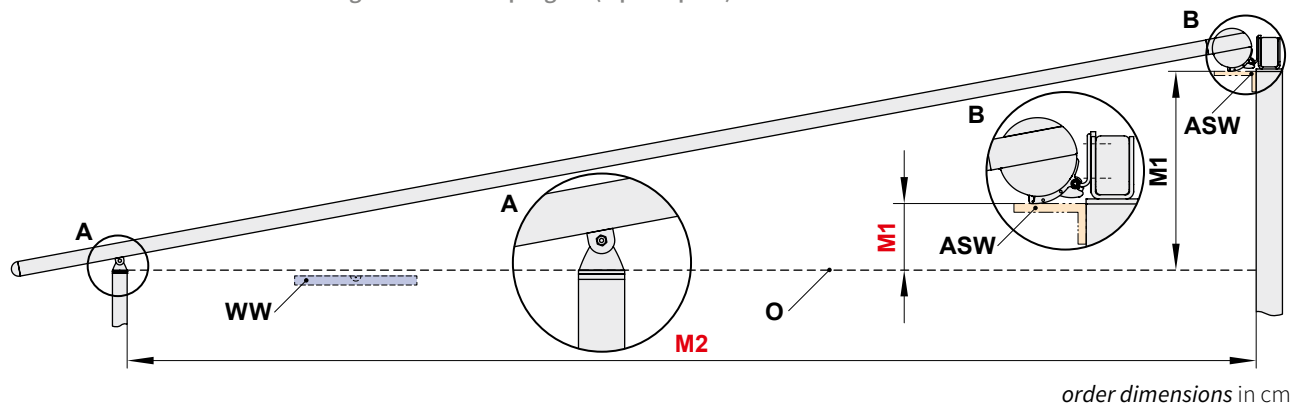
76768.

Installation setting



dimensions in mm

Order measurements when fitting to a markilux pergola (square post)



order dimensions in cm

N.B! Precise measurements must be supplied after installation of the markilux pergola. Every triangular markilux format is made individually and to measure and provisionally checked for its feasibility before acceptance of the order. The markilux technical production drawing has to be signed off before production can begin.

ASW = angle enabling precise measurements to be taken

M1 = order height

M2 = *order width*

0 = top edge of markilux pergola post

RS = rear / frame side

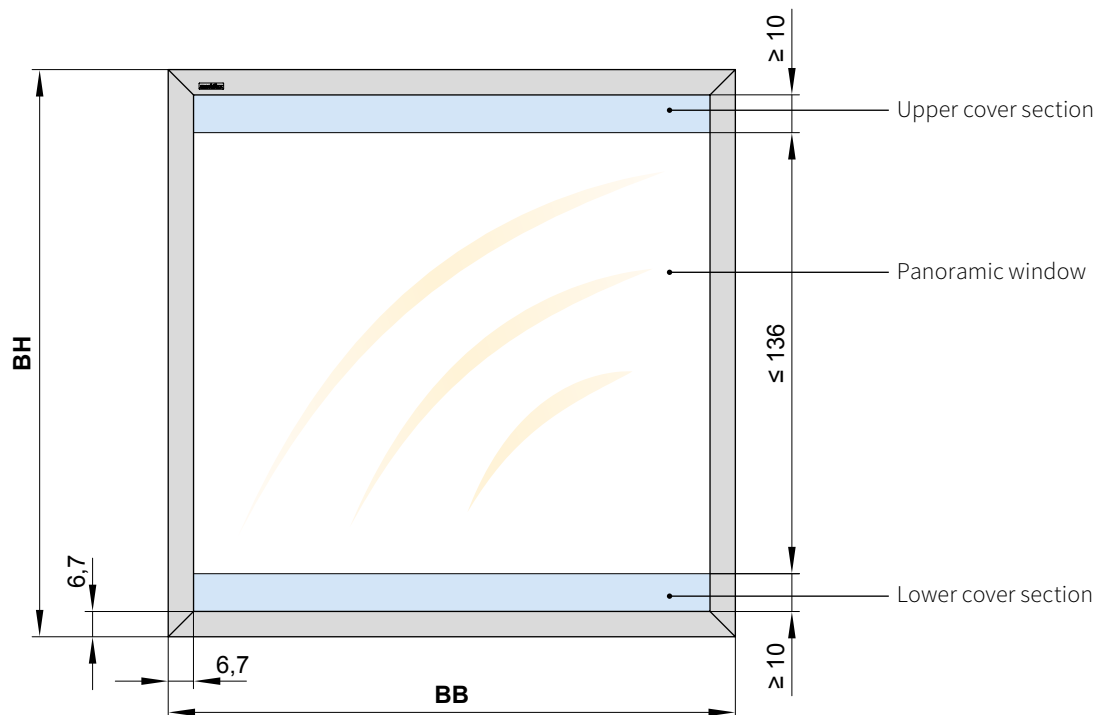
TV = front / cover side

VP = stabilising bar

WW = horizontal measurement (calculated using a water hose or laser level)

markilux format with flexible panorama window

Dimension overview



dimensions in cm

- Maximum frame size of the markilux format basic frame / markilux format with brackets:

Order width BB = 250 cm × *order height BH* = 150 cm *or*

Order width BB = 200 cm × *order height BH* = 200 cm

- Panorama window in one piece, max. height 136 cm
- Panel of fabric above and below the foil: sunvas
- These strips of fabric are always seamless
- In the case of striped fabrics, the stripes run horizontally. For this reason, plain fabrics are to be recommended.
- Not available in a triangular markilux format

The differing physical properties of the Polyester material and that of the Panorama window can - depending on the temperature - lead to puckering, curvature in the material or horizontal lines forming. Damp on the foil can cause so-called plasticiser migration to take place, which can lead to the foil becoming cloudy. A build-up of heat can exacerbate this effect. Any cloudiness that has become evident may disappear again in time. Because of the effect that varying weather conditions can

have, no guarantee can be given in this regard. These phenomena are directly linked to the material, unavoidable and therefore represent no cause for complaint. The regular application of an appropriate smear-free cleaning fluid that does not need to be rinsed off is recommended to clean and care for the material:

Cristalplus Apco Cleaner

0.75 litre bottle Article no. **7095079**

BB = Order width

BH = Order height