

Pergola awning

markilux pergola classic

Exceptional sun and wet weather protection for large areas.





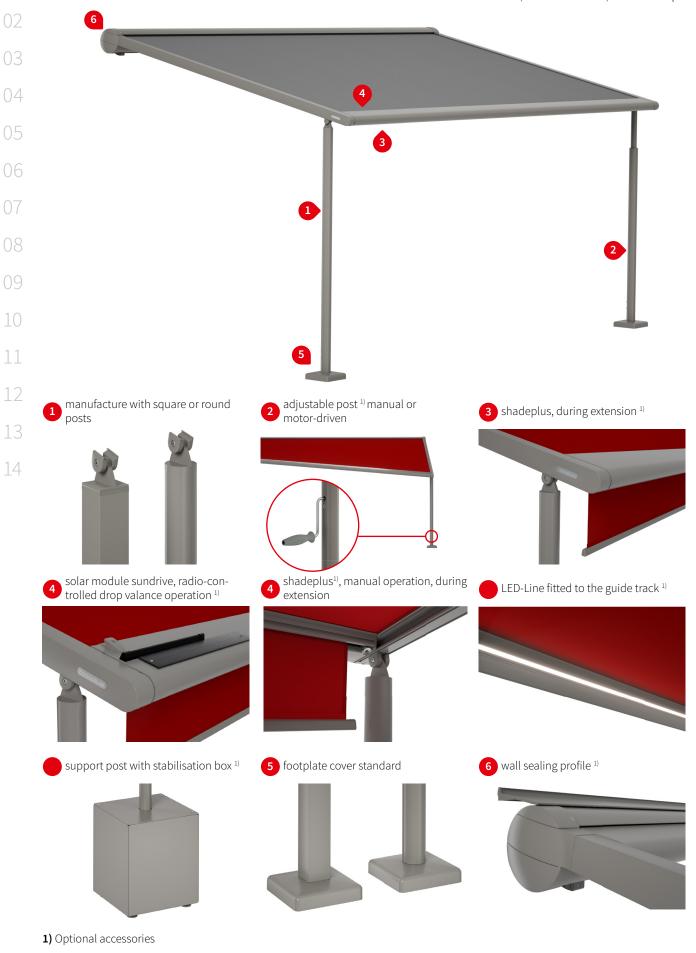
Product characteristics

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Wind resistance class 3 Beaufort $6 \rightarrow 38-48 \text{ km/h} \rightarrow 10.5-13.4 \text{ m/s} \rightarrow 24-30 \text{ mph}$



Product characteristics

Description

• the awning system on slender posts and with lateral guide tracks provides generous shade with an extension of up to 6 metres and for areas up to 30 m² with a single unit. Thanks to the tracfix cover guidance system, the sophisticated and reliable tensioning technology and its sturdy construction, the system can be used up to Beaufort 6 (wind resistance class 3).

Special features

- fully encompassing cassette that protects the cover perfectly
- tried-and-tested tensioning system with drive belts and integrated gas pistons delivers optimum cover tension in any phase of extension
- with tracfix system, the continuous lateral cover guidance system that leaves no gap between the cover and guide tracks
- option of shadeplus vertical protection against low-lying sun, wind and inquisitive glances integrated into the front profile, can be operated manually or solar driven by radio remote control
- various lighting combinations available: light strip LED-Line RGB-WW in the guide tracks individually configurable lighting options providing a pleasant atmosphere in the evening
- an optional telescopic post, manually operated, ensures water drainage, even at the low minimum pitch of 7° (depending on the extension)
- support posts optionally round or square, incl. screw-on footplates or ballast boxes for versatile installation
- can be combined perfectly with the awning systems markilux syncra, the vertical roller blinds markilux 876 tracfix, markilux 776 tracfix and the side screen, markilux 790

Dimensions

- single unit: 72,5-600 cm in width, maximum projection 600 cm (depending on the width)
- maximum dimensions width × extension: 500 × 600 cm / 550 × 500 cm / 600 × 450 cm
- coupled units up to 5 fields wide are available
- intermediate sizes are available

Roller tube and lateral bearings

- round roller tube Ø 95 mm with keyway, galvanised steel excellent stability, ensures near perfect cover performance even at the largest widths
- bearing die-cast aluminium cloth shaft

Blind profiles

- extruded aluminium, in façade quality, powder coated
- cassette profile in two pieces, round, Ø 187 mm
- angular guide tracks, width × height 60 mm × 70 mm (coupling guide track 116 × 70 mm)
- front profile rounded at the front, depth × height 150 mm × 70 mm

Side caps

- the cassette end caps with opening for guide tracks are made of die-cast aluminium, powder coated
- the top maintenance cover is made of high-quality plastic, powder coated
- the front profile end caps are made of high-quality plastic, powder coated

Fixture brackets and support posts

- extruded aluminium, powder coated
- · cassette holder: wall mounting, ceiling mounting, rafter mounting
- support post round Ø 70 mm or square 70 × 70 mm, standard height 250 cm, heights up to 300 cm are available
- screw-on footplate 200 × 200 mm
- footplate cover 212 × 212 mm, height 48 mm, made of two pieces, is made of die-cast aluminium, corners rounded
- a version of the support posts with optional ballast box $600 \times 600 \text{ mm} \times 525 \text{ mm}$ (wxdxh), for versatile installation is available

N.B! For additional information and configuration options, please view chapter "General Information" and "markilux Optional Accessories" in the volume "Design blinds for windows | Glass roof awnings".

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01 Frame colours

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markilux frame colours without surcharge

traffic white, RAL 9016 metallic aluminium, RAL 9006 grey brown, similar to RAL 8019

off-white textured finish, 5233 ¹⁾ stone grey metallic, 5215 ¹⁾ anthracite metallic, 5204 ¹⁾

havana brown textured finish, 5229 1)



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

Dimensions and configuration options

Single unit

	Awning fixture wid						dth	dth			Minimum fixture				
		150 1)	200 1)	250	300	350	400	450	500	550	600	width			
Orde	r dimensions	73 2)	151	201	251	301	351	401	451	501	551	Hard-	Radio-		
Overall Awning		150	200	250	300	350	400	450	500	550	600	wired motor	controlled motor		
	width					+	10					IIIOtoi	IIIOtoi		
	150 ¹⁾														
	200														
	250														
	300														
н	350											73 ²⁾	83 2)		
п	400											15 '	03 /		
	450														
	500										_				
	550									_	_				
	600									_	_				
												dim	ensions in cm		
1) =	only pergola	with fixe	d posts						= optio	nally ava	ailable wi	th 20 cm telesc	opic post		

The minimum pitch that	extension	extension	extension	extension
will ensure water drainage	≤ 250 cm	≥ 251 ≤ 350 cm	≥ 351 ≤ 450 cm	≥ 451 cm
Unit with fixed posts, without shadeplus	14°	14°	14°	14°
Unit with fixed posts, with shadeplus	17°	17°	17°	17°
Unit with telescopic post,	7°	Q٥	٥°	10°

Operation	standard	optional
Crank handle	_	_
hard-wired motor	\checkmark	_
silentec motor (optionally with an external io receiver) 1)	_	√
radio-controlled motor io, 868 MHz	_	\checkmark
radio-controlled motor RTS, 433 MHz	_	\checkmark

2) = 94 cm for drop valance with sundrive solar panel

H = **order dimension** = extension

without / with shadeplus

1) only available for awnings with 1 field and 2 fields, 2 motors

Awning cover	fabric pattern no.	standard	optional
sunvas 1) 4)	300315	\checkmark	_
sunsilk 1) 4)	324 / 328 / 369	\checkmark	_
sunbow 1) 4)	411427	\checkmark	_
smart art 1)	340	_	\checkmark
perla FR 1)	371 / 372	_	\checkmark
perfotex 2)	331 / 332	\checkmark	_
Soltis Perform 92 3)	92	_	✓

Standard fabric panel widths

1) 60 cm **2)** 120 cm **3)** 88,5 cm

4) In the case of striped patterns, a symmetrical pattern repeat at every second seam is not possible.

Coupled awnings

2-5 fields, 1 motor per field

alternatively 2 fields 1 motor / 3 fields 2 motors / 4 fields 2 motors

= optionally available with 30 cm telescopic post

= optionally available with 40 cm telescopic post

maximum size per field: see "single unit" dimensions

General notes

Different field extensions are available in a coupled awning. The rolling up behavour of the covers may vary in coupled awnings that have different field sizes. This does not effect the functionality of the awning or shorten the service life of the covers.

The option of having telescopic posts in awnings with 3–5 fields is only available on request.

Drop valance^{1) 2)} Standard Optional

Height 230 cm(crank handle, depending on the fabric series chosen) Height 210 cm (motor operation, depending on the fabric series chosen)

crank handle	\checkmark	_
hard-wired motor	_	_
radio-controlled motor, 868 MHz, io with sundrive incl. radio antenna	_	\checkmark
radio-controlled motor, 433 MHz, RTS with sundrive	_	\checkmark

fabric pattern sunvas / sunsilk / sunbow / transolair / vuscreen Alu / Soltis Perform 92 / glass fibre screen Serge 600

- 1) Shadeplus cover is narrower than the awning cover
- 2) In the case of coupled awnings, available for all fields only

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Optional accessories

adjustable posts, manual or motor-driven

posts with stabilisation boxes

shadeplus, radio remote control with solar module sundrive or manual

LED-Line RGB-WW in the guide tracks on both sides

infrared heater 2500 W

infrared heater 2500 W with integrated radio-controlled receiver 868 MHz Funk io

wall sealing profile

several motors in a coupled awning, can be operated independently

vertical cassette blind markilux 776 tracfix

automatic controls (light, wind, rain)

Important background information can be found in the chapter "Optional Accessories" in the sales manual "Designer Awnings for Conservatories, Glass Canopies and Windows"

markilux shadeplus

Tips for selecting a shadeplus fabric

Ideally, a shadeplus cover should be made **seamlessly** or with horizontal panels (the cover then has a **horizontal seam**) in order to achieve the best result.

Seamless fabric qualities are: sunvas oversized material and transolair series 338.. Fabric qualities with a horizontal seam are: plain fabrics from the sunsilk, sunvas, sunbow collections and transolair series 339.. as well as from the Soltis Perform 92 series.

Owing to the small winding diameter, the rolling up characteristics and the resulting visual appearance of the cover, shadeplus covers made with vertical seams are not recommended.

Shadeplus / drop valance with radio-controlled motor RTS / io^{2) 3)}

Shadeplus fabric	fabric pattern no.	standard	optional	Awning fixture width	height	tailored cloth
sunvas	309–315	\checkmark	_	≤ 600 ≤ 600	160 210	LN QN
sunsilk	324 / 328 / 369	\checkmark	_	≤ 600 ≤ 600	160 210	LN QN
sunbow	411427	\checkmark	_	≤ 600 ≤ 600	100 210	LN QN
sunvas (250 cm)	31008, -09, -13, -16, -18, -27, -28, -31, -37, -57, -58, 31109, -14, -17	\checkmark	_	≤ 600	210	N
smartart	340	_	_			
perla FR	371 / 372	_	_			
perfotex	331 / 332	_	_			
transolair	338	_	\checkmark	≤600	210	N
transolair (120 cm)	339	_	\checkmark	≤600	210	QN
vuscreen Alu	317	_	\checkmark	≤ 600	160	Ν
Soltis Perform 92	92	_	\checkmark	≤ 490	210	QN
glass fibre screen Serge 600	272	_	\checkmark	≤ 600	210	N

^{2) 433} MHz radio-controlled RTS motor powered by a sundrive solar panel, minimun fixture width 94 cm

N = seamless

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LN = vertical panel joints, panel width approx.60 cm

QN = horizontal panel joint(s)

Dimensions in cm

³⁾ Only available in plain seamless fabrics (oversized, fabric width >120 cm) or in plains with a horizontal joint (fabric width 120 cm).

Dimensions and configuration options

Coupled unit, 2 fields

				Aw	ning fixture w	vidth		
		600 1)	700 1)	800	900	1000	1100	1200
Order dimens	cions	551	601	701	801	901	1001	1101
Order diffiers	510115	600	700	800	900	1000	1100	1200
Overall Awnii	ng width	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10
	150							
	200							
	250							
	300							
н	350							
П	400							
	450							
	500							_
	550						_	_
	600						_	_

Coupled unit, 3 fields

							Awnin	g fixture	width					
		600 1)	700 1)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
Order dimen	sions	551	601	701	801	901	1001	1101	1201	1301	1401	1501	1601	1701
		600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
Overall Awning width		+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10
	150													
	200													
	250													
	300													
н	350													
"	400													
	450													
	500												_	_
	550											_	_	_
	600											_	_	_

N.B.: The option of having telescopic posts in awnings with 3–5 fields is only available on request.

order dimension = extension

dimensions in cm

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⁼ the cassette will be supplied in one piece as standard. If, for transportation or installation reasons, the cassette needs to be 1) split, please note this explicitly when ordering.

01 Lighting options

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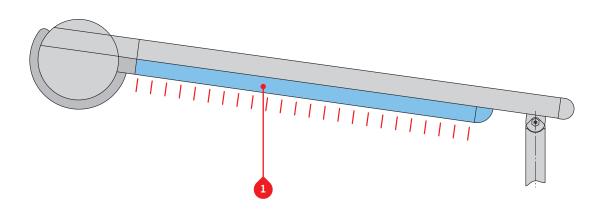
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ΩQ	Lighting options	Controls	standard	optional
UO	1 LED-Line RGB-WW in the guide tracks on both sides	radio-controlled dimmer io 868 MHz	\checkmark	_
09	For combination possibilities please view section "Dimension overview lighting options"	zigbee	_	\checkmark

LED-Line in the guide rails

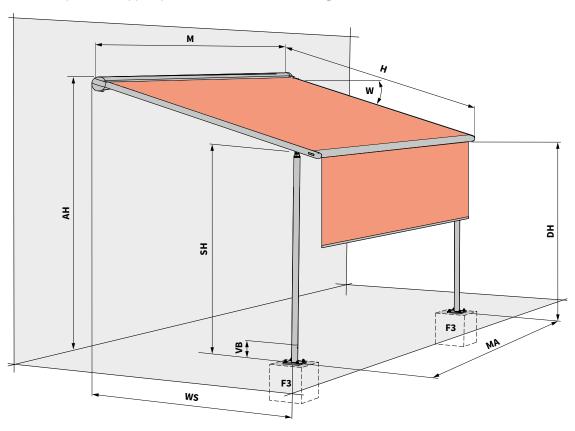
Technical specification

operating voltage	230 V, 50 Hz
power output per metre	11 W / m
light source	LED (24 V)
number of LEDs	144 units / m
number of transformers	1 unit
light temperature	RGB colour light change and warm white
IP protection class	IP 44
service life	approx. 15.000 h

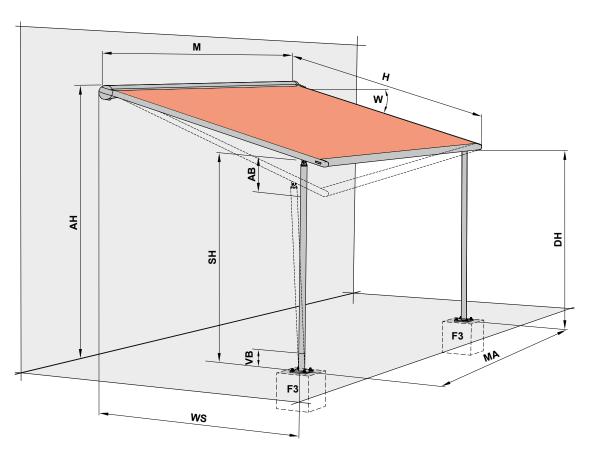
Note on combination restriction: markilux format triangular version cannot be installed on a markilux pergola with LED-Line in the guide rails.

Overview of dimensions

pergola with fixed posts 1) – support post fixture to a concrete footing



pergola with telescopic post 1) – support post fixture to a concrete footing



1) Optional with shadeplus

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Overview of dimensions

Single unit

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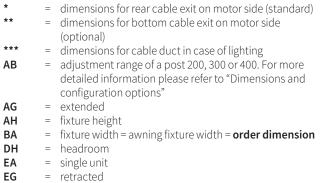
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Н 210 - EG AG 84 287 150 EG AG ≥¥ М EΑ MA = BA50 50 45 **MB** = 300 **MB** = 300 45* 85** 125*** 185 I 20 20



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_	order dimension = extension	
	foundations"	
-	concrete foundation. Please refer to the section	Concrete

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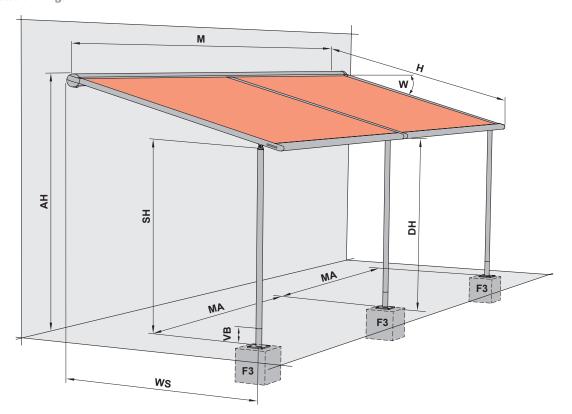
Н	=	order dimension = extension
М	=	overall awning width = MA + 10 cm
M	=	operation side, motor drive
MA	=	order dimension = awning fixture width
MB	=	bracket fixture range
SH	=	order dimension = support post height, standard height
		2500 mm (special heights on request)
VB	=	height adjustment at the base of both the front support
		posts during installation approximately 100 mm
W	=	pitch setting = 5°-45°
WS	=	distance from wall ←→ support post centre dimensions in mm

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F3

Overview of dimensions

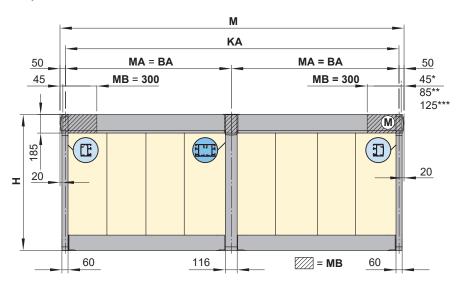
Coupled awnings



Coupled unit, 2 fields, 1 motor

Н KA

coupled awning



* ** *** AH BA DH EA	= = = =	dimensions for rear cable exit on motor side (standard) dimensions for bottom cable exit on motor side (optional) dimensions for cable duct in case of lighting fixture height fixture width = awning fixture width = order dimension headroom single unit	M MA MB SH VB	 overall awning width = MA + 10 cm operation side, motor drive order dimension = awning fixture width bracket fixture range order dimension = support post height, standard he 2500 mm (special heights on request height adjustment at the base of both the front support posts during installation approximately 100 	Ü
F3		concrete foundation. Please refer to the section "Concrete foundations"	W WS	= pitch setting = 5°-45° = distance from wall ←→ support post centre	
Н	=	order dimension = extension	VVJ	- distance noni watt 4-7 support post centre	

dimensions in mm

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01 Overview of dimensions

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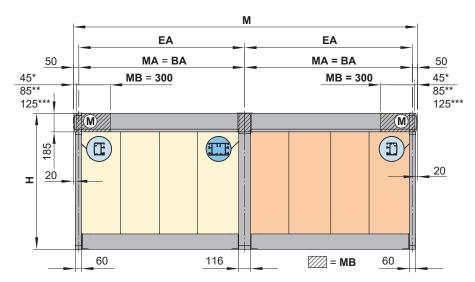
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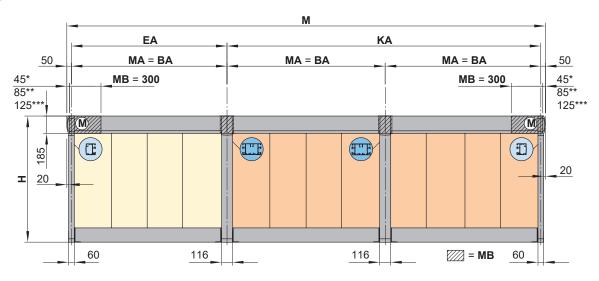
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Coupled unit, 2 fields, 2 motors



Coupled unit, 3 fields, 2 motors



* = dimensions for rear cable exit on motor side (standard)

** = dimensions for bottom cable exit on motor side (optional)

*** = dimensions for cable duct in case of lighting

BA = fixture width = awning fixture width = **order dimension**

EA = single unit

H = order dimension = extension

KA = coupled awning

M = overall awning width = **MA** + 10 cm

M = operation side, motor drive

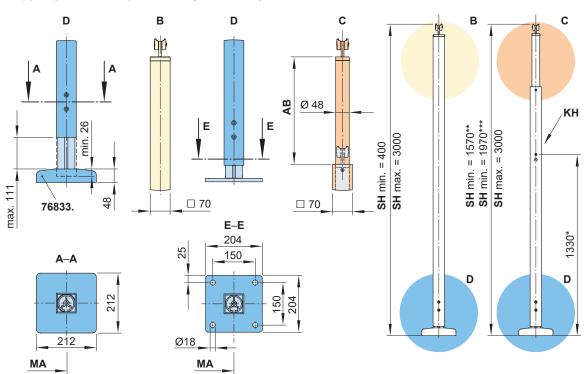
MA = order dimension = awning fixture width

MB = bracket fixture range

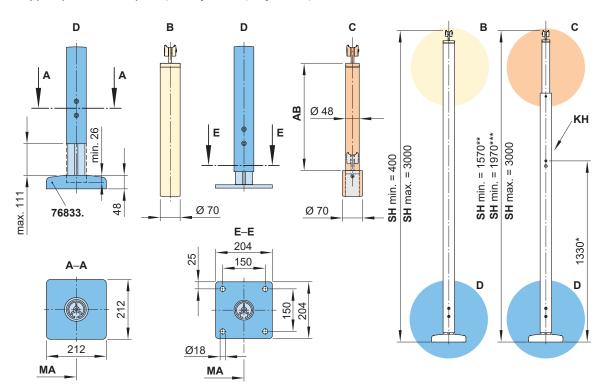
dimensions in mm

Post dimensions

Square support post with footplate (not adjustable / adjustable)



Round support post with footplate (not adjustable / adjustable)



dimensions at the standard height

dimensions at manual operation

dimensions at motor operation

adjustment range of a post 200, 300 or 400. AB For more detailed information please refer to "Dimensions and configuration options"

support post without manual adjustment option В С

support post with manual adjustment option

D = height adjustment at the base of both of the front

support posts during installation approximately 100 mm

footplate cover post **76833.** = KΗ winch handle socket

order dimension= awning fixture width = fixture width MA order dimension = support post height, standard height SH

2500 mm (special heights on request)

dimensions in mm

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Footplate cover 01

76833.

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Post with an optional footplate (Example: left-hand post)

Footplate for post position sideways in the middle



60102. 150 ø18 200

62351.

ф

—

76833. = standard footplate cover post

360° €

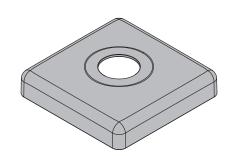
footplate post position sideways in the middle **60102.** =

60103. = footplate post position in the corner

62351. = footplate cover post position sideways in the middle

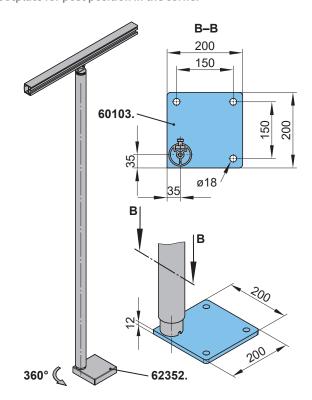
62352. = footplate cover post position in the corner

100,6 ø 62 204 A-A



dimensions in mm

Footplate for post position in the corner

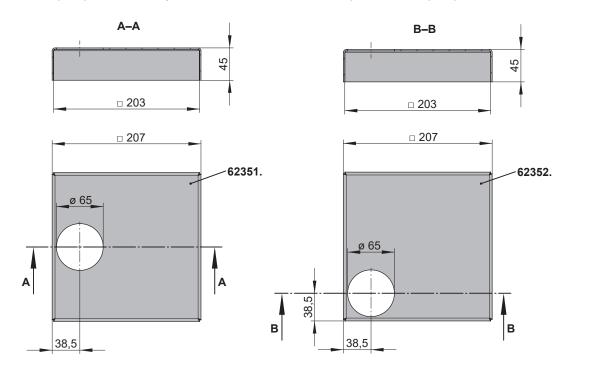


Dimensions in mm

Footplate cover for optional footplate

Footplate cover for post position sideways in the middle

Footplate cover for post position in the corner



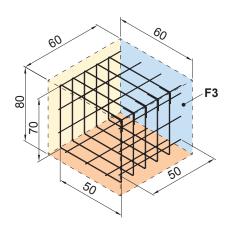
Dimensions in mm

Concrete foundations

To be supplied on site:

Concrete foundations in compressive strength C25/30 (previously B25) with reinforcing mesh cage made of 6 pcs steel rebar Ø 6 mm.

F3



The footplates F3 are to be fitted to the concrete footings using Fischer marine-grade stainless steel anchor bolts FAZ 10/30 aus A4 and washers certified to DIN 9021 (or equivalent).

62351. = footplate cover post position sideways in the middle

62352. = footplate cover post position in the corner

dimensions in cm

01 Overview of dimensions

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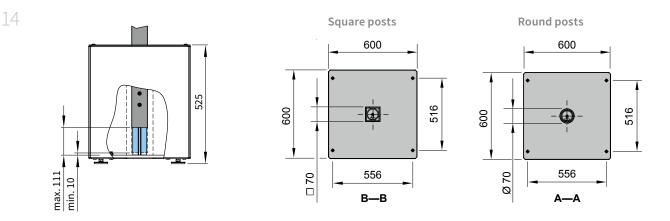
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pergola - support posts with stabilisation boxes

M W W BK A A HO BK B B I



On site, every stabilisation box must be filled with at least 150 kg of ballast.

AH = fixture height SH = order dimension = post height
BK = stabilisation box VB = height adjustment at the base of both the front support posts during installation approximately 100 mm

DH = headroom posts during installation approximately 100 mm

H = order dimension = extension

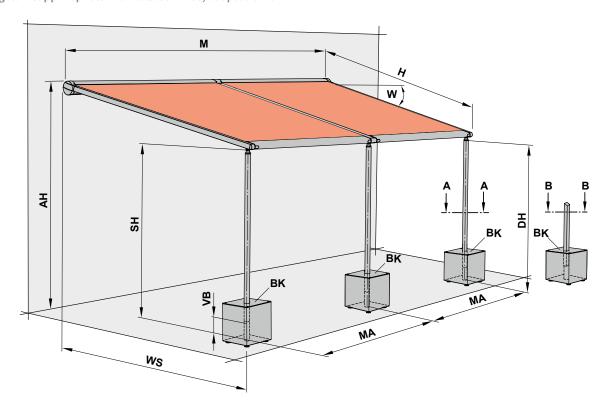
W = pitch setting = 5°-45°

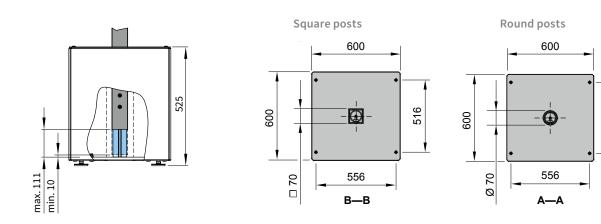
M = overall awning width = MA + 10 cm WS = distance from wall ←→ support post centre
MA = order dimension = blind fixture width = fixture width

 $dimensions \ in \ mm$

Overview of dimensions

pergola - support posts with ballast boxes, coupled unit





On site, every stabilisation box must be filled with at least 150 kg of ballast.

AH = fixture height SH = order dimension = post height BK = stabilisation box VB = height adjustment at the base of both the front support

DH = headroom
H = order dimension = extension
W = posts during installation approximately 100 mm
W = pitch setting = 5°-45°

M = overall awning width = MA + 10 cm WS = distance from wall ←→ support post centre

MA = order dimension = blind fixture width = fixture width

dimensions in mm

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Post dimensions **01**

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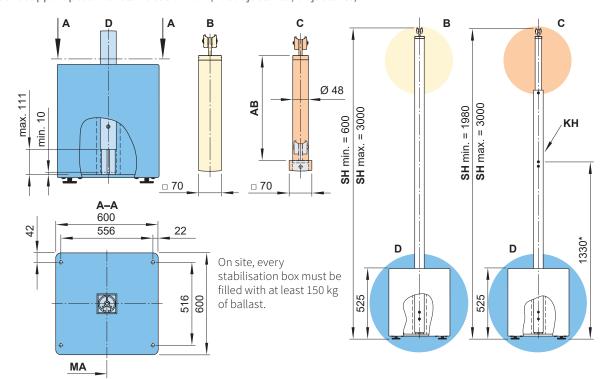
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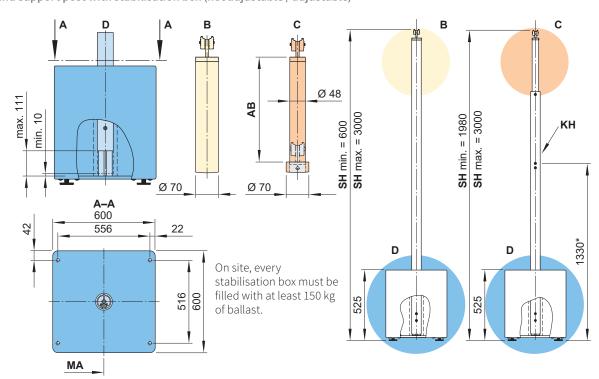
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Square support post with stabilisation box (not adjustable / adjustable)



Round support post with stabilisation box (not adjustable / adjustable)



= dimensions at the standard height

adjustment range of a post 200, 300 or 400. ΑB For more detailed information please refer to "Dimensions and configuration options"

В support post without manual adjustment option С

support post with manual adjustment option

= height adjustment at the base of both of the front D support posts during installation approx. 100 mm

KH winch handle socket

SH

order dimension = blind fixture width = fixture width MA

order dimension = support post height, standard height 2500 mm (special heights on request)

dimensions in mm

Fixtures, fittings and accessories



face fixture cassette bracket, left

pitch adjustment range 5°-45°





face fixture cassette bracket, right

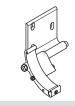
pitch adjustment range 5°-45°



coupling cassette bracket, central

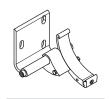
pitch adjustment range 5°—45°





face fixture cassette bracket, wide, left

pitch adjustment range 5°—45°



76232.

face fixture cassette bracket, wide, right

pitch adjustment range 5°-45°



top fixture cassette bracket right / left

pitch adjustment range 5°-20°



coupling cassette

pitch adjustment



eaves fixture bracket



accessories for two eaves fixture brackets



bracket top fixture

range 5°—20°



77010.



767281



77956.

stand-off brackets for face fixture brackets 76063., 76064. and 76181.

length min. 80 mm up to max. 300 mm

incl. insulating element



71844.

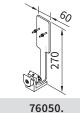
cover plate for installation with standoff bracket 77956. in the case of external insulation

210 × 230 mm



76723.

bracket for sun and/or wind sensor io



fixture bracket for light and / or wind and/or rain sensor

storm safety clip



wall sealing profile incl. brush seal

by the metre



side cover wall sealing profile

left and right

60919. and 60920.



76385. and 704241



76235.



storm safety bracket for the cassette

(recommended in windy locations and as an additional safety measure for the cassette)

76197.

dimensions in mm

■ **01** Face fixture

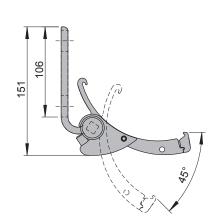
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Face fixture cassette bracket, left

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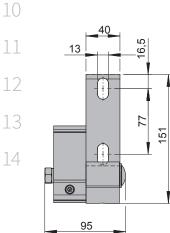


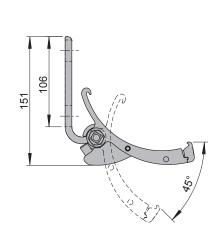
face fixture cassette bracket, left

pitch adjustment range 5°—45°

Face fixture cassette bracket, right

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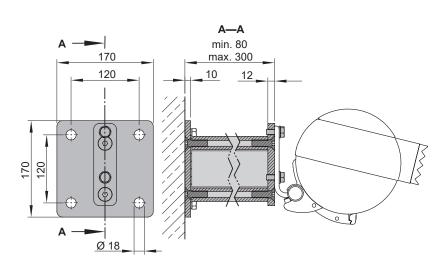




face fixture cassette bracket, right

pitch adjustment range 5°—45°

Face fixture using stand-off brackets





face fixture brackets 76063., 76064. and 76181. length min. 80 mm up to

stand-off brackets for

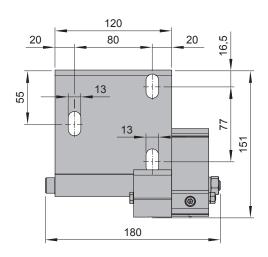
max. 300 mm

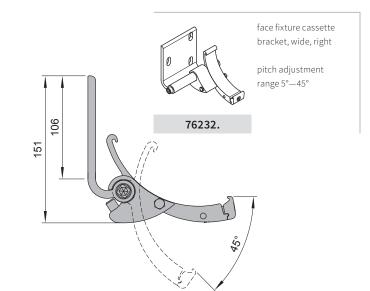
incl. insulating element

dimensions in mm

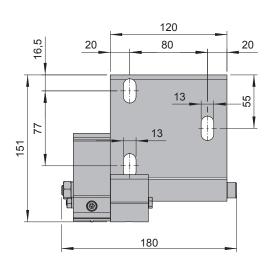
Face fixture

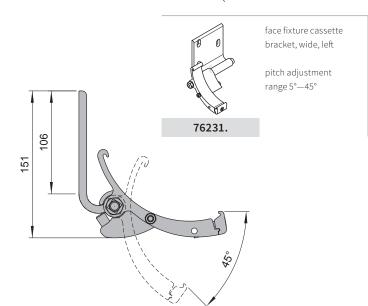
Face fixture cassette bracket, wide, right



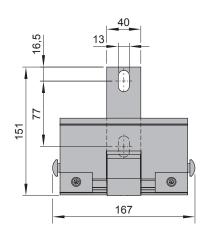


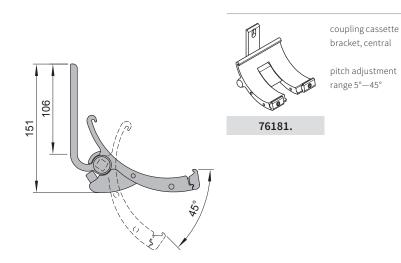
Face fixture cassette bracket, wide, left





Coupling cassette bracket (central in coupled units)





dimensions in mm

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■ **01** Face fixture

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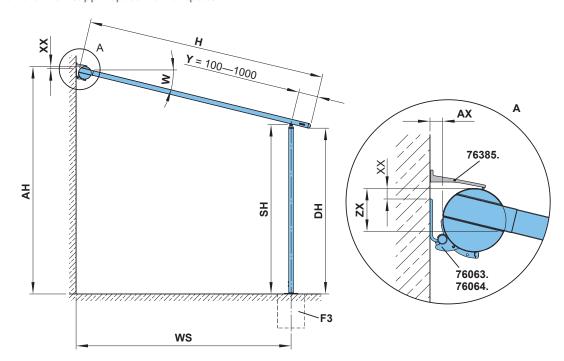
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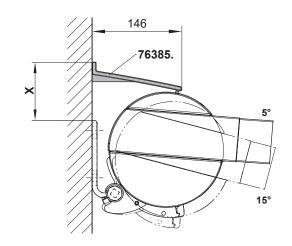
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Dimension overview support post with footplate



W	AX	XX	ZX
5°	26	46	112
10°	32	38	120
15°	38	30	128
20°	44	22	135
25°	49	13	142
30°	54	4	149
35°	58	-5	156
40°	62	-15	161
45°	65	-24	167

Face fixture with wall sealing profile



W	Х
5°	95
10°	89
15°	81

76385. = wall sealing profile (standard width = awning fixture width (MA) + 58 mm)

76063. = face fixture cassette bracket, left **76064.** = face fixture cassette bracket, right **AH** = fixture height = SH + ZX + sin W × (H − Y) **AX** = distance from wall ←→ cassette **DH** = headroom = SH − sin W × Y

F3 = concrete foundation. Please refer to the section "Concrete foundations"

H = order dimension = extension

SH = **order dimension** = post height = $AH - ZX - \sin W \times (H - Y)$

W = pitch (measured from the horizontal)

AH = installation height

WS = distance from wall \leftrightarrow support post centre = $\cos W \times (H - Y) + AX$

Y = order dimension = the support post can be moved back by min. 100 and max. 1000 mm

XX = distance from the top edge of the fixture bracket to the top edge of the cassette (see table)

dimensions in mm

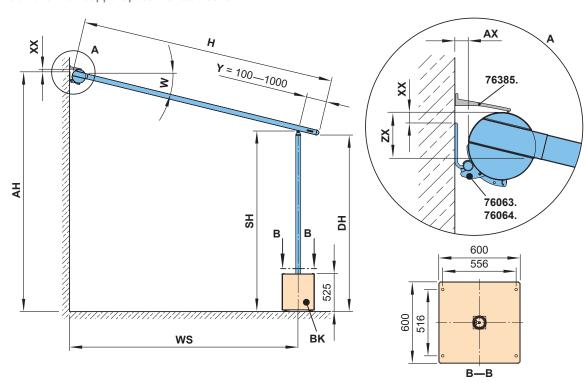
ZX = distance upper edge cassette – bottom edge of guide track (see table)

dimensions in mm

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Face fixture

Dimension overview support post with stabilisation box



W	AX	XX	ZX
5°	26	46	112
10°	32	38	120
15°	38	30	128
20°	44	22	135
25°	49	13	142
30°	54	4	149
35°	58	-5	156
40°	62	-15	161
45°	65	-24	167

On site, every stabilisation box must be filled with at least 150 kg of ballast.

dimensions in mm

76385. = wall sealing profile (standard width = awning fixture width (**MA**) + 58 mm)

76063. = face fixture cassette bracket, left **76064.** = face fixture cassette bracket, right **AH** = fixture height = SH + ZX + sin W × (H - Y)

AX = distance from wall ←→ cassette

BK = stabiliisation box DH = headroom = SH - sin W × Y H = order dimension = extension

SH = **order dimension** = post height = $AH - ZX - \sin W \times (H - Y)$

W = pitch

WS = distance from wall \leftrightarrow support post centre = cos W × (H – Y) + AX

Y = order dimension = the support post can be moved back by min. 100 and max. 1000 mm

XX = distance from the top edge of the fixture bracket to the top edge of the cassette (see table)

ZX = distance upper edge cassette – bottom edge of guide track (see table)

dimensions in mm

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■ **01** Top fixture

Top fixture cassette bracket, right and left

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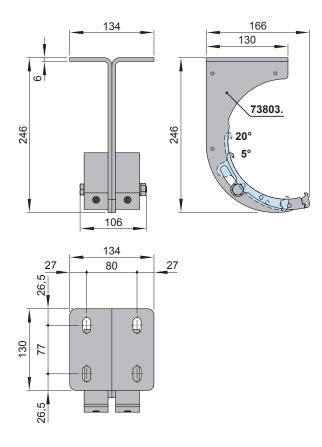
26,5

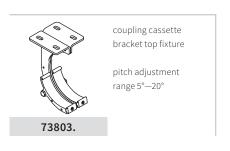
77058. 20° 5°

77058.

top fixture cassette bracket right / left pitch adjustment range 5°—20°

Top fixture coupling cassette bracket (central in coupled units)

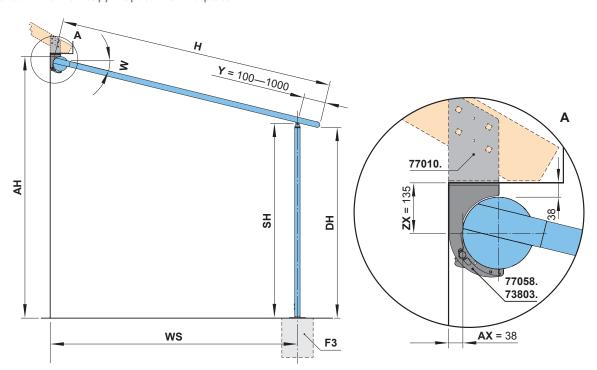




dimensions in mm

Top and eaves fixture

Dimension overview support post with footplate



73803. = coupling cassette bracket, top fixture, pitch adjustment range 5°–20°

77010. = eaves fixture bracket

77058. = top fixture cassette bracket right / left, pitch adjustment range 5° – 20°

AH = fixture height = SH + ZX + sin W × (H − Y) AX = distance from wall ←→ cassette DH = headroom = SH − sin W × Y

F3 = concrete foundation. Please refer to the section "Concrete foundations"

H = order dimension = extension

SH = order dimension = support post height, standard height 2500 mm (special heights on request) = AH – ZX – sin W × (H – Y)

 \mathbf{W} = pitch

WS = $distance from wall \leftrightarrow support post centre = <math>cos W \times (H - Y) + AX$

Y = order dimension = the support post can be moved back by min. 100 and max. 1000 mm

ZX = calculation value for fixture height AH (135 mm)

dimensions in mm

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01 Eaves fixture

Eaves fixture bracket

60 eaves fixture bracket 6 130 26 77010. 233 top fixture cassette bracket right / left 77010. pitch adjustment range 5°-20° 767281 77058. 77058. 20° 246 accessories for two eaves fixture brackets 働 166 66 767281

Telescopic, motor-driven post

- minimum post height: 1970 mm
- motor cable, black

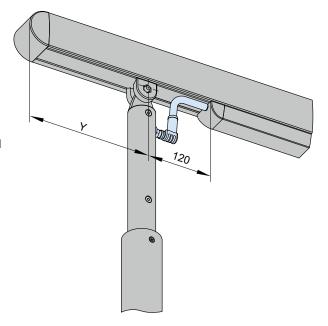
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- the LED-Line profiles are always fitted to all guide tracks of the markilux pergola to give a harmonious look
- the awning may only be retracted or extended if the front profile is horizontal, in other words, the post must not be in the lowered position
- the shadeplus (optional) may only be operated when the post is not in the lowered position. It may only be operated when the front profile is horizontal

Controls	standard	optional
hard-wired motor	✓	_
radio receiver Somfy Slim Plug io (8271254)	_	\checkmark

Technical details Hard-wired motor

power supply	230 V AC		
poweroutput	110 W		
protection class	IP 44		



Please note: In the case of a motorised telescopic post the distance from the end of the cable conduit / LED LIne to the end of the guide track is between 220 and 1120 mm = **Y** (**distance post moved back:** 100 - 1000 mm) + **120 mm.**

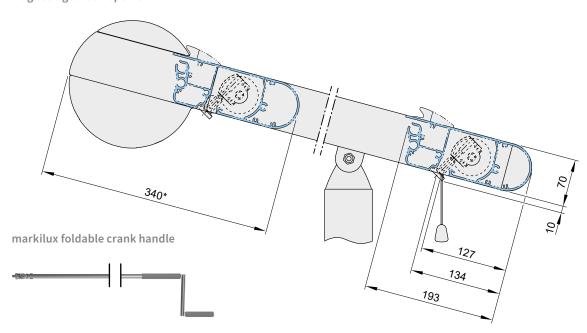
In the case of a fixed or manually adjustable telescopic post, the distance from the end of the LED Line to the end of the guide track is between 150 and 1050mm = Y (distance post moved back: 100 - 1000 mm) + 50 mm.

Y = **order dimension** = distance from post centre to leading edge of front profile. Dimensions: min. 100 bis max. 1000 mm (standard)

dimensions in mm

Overview of fixture dimensions, shadeplus

Magnetic gearbox operation



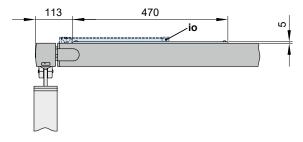
with magnetic gearbox attachment for manual operation of the drop valance lengths: standard 120 cm, optional 160 cm, from 160 cm up to 280 cm on request order no. 74271

* = extension when retracted

Please note! The shadeplus (optional) may only be operated when the post is not in the lowered position. It may only be operated when the front profile is horizontal.

sundrive

Solar module for radio-controlled shadeplus

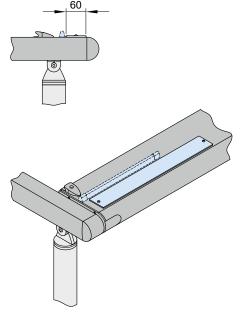


Technical data solar module

voltage	max. 21 V DC
current	max. 196 mA
power output	3,2 W
protection class	IP 44
battery capacity	2200 mAh

Technical details radio-controlled motor RTS 433 MHz / radio-controlled motor io 868 MHz

•	
powersupply	12 V DC
power output	26 W
protection class	IP 44



Note: A radio antenna (see illustration) is integrated in the case of operation via radio-controlled motor io sundrive. The solar motor is not compatible with automatic control systems.

dimensions in mm

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■ 01 Dimension overview with the various lighting options

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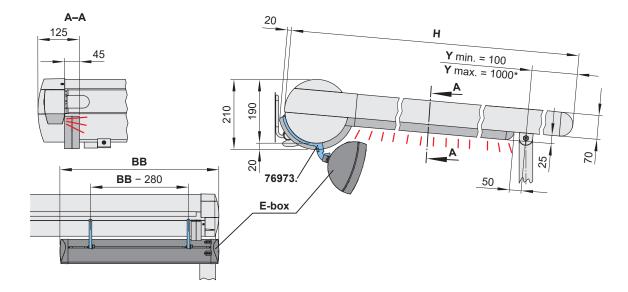
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Option 1: LED Line RGB-WW in the guide tracks, electronic components in an E box

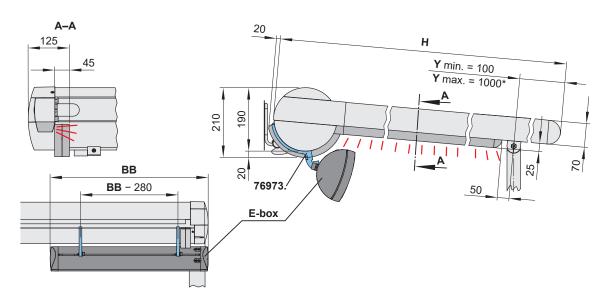


* = standard dimension
 60585. = cassette bracket E-box
 H = order dimension = projection
 E-box = see E-box for the electronics

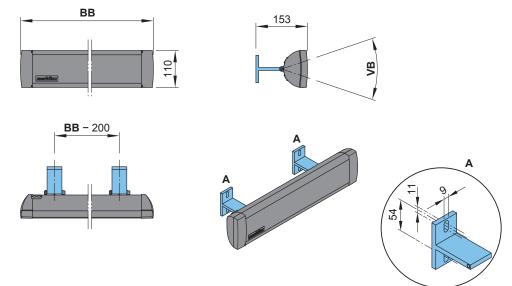
Y = **order dimension** = distance from post centre to leading edge of front profile

dimensions in mm

E-box for the electronics



Dimension overview E-box



Minimum E-box dimensions

Wireless technology	868 MHz io / Zigbee	
Extension H	< 330 cm	≥ 330 cm

Lighting options

LED-Line RGB-WW attached to the Guide tracks	E-box M 71850. BB = 500 mm
for independent use	E-box I 71851. BB = to order

= standard dimension Н order dimension = projection **60585.** = cassette bracket E-box

adjustment range VΒ

= order width BB order dimension = possible indent dimension of E-box = in sizes M, G or I support post dimensions in mm

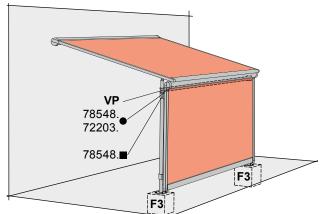
Combination options

Example with markilux 776 tracfix / 876 tracfix (optionally with panorama window)

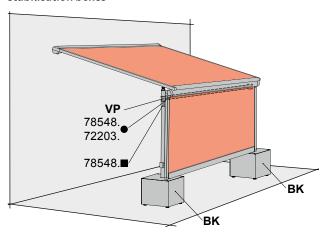
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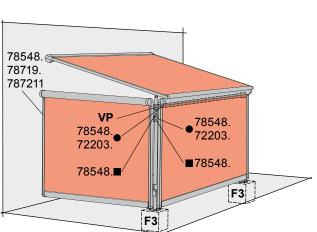
Vertical cassette blind at the front



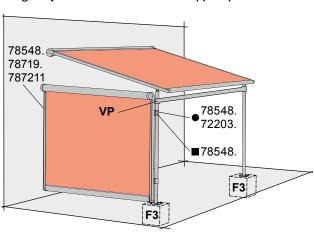
Vertical cassette blind at the front, support posts with stabilisation boxes



Installation of a vertical cassette blind both to the side



Installation of a vertical cassette blind at the side and obligatory cross member between support posts

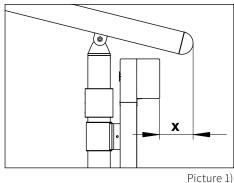


N.B! A vertical roller blind may only be installed at the side or the front if a stabilizing profile (VP) has been fitted. A front vertical cassette blind must always be mounted under the guide tracks (see fig. 1)

The combination of markilux pergola classic with vertical cassette blinds is only permitted if two fixed posts are used.

Combination Possibilities

- markilux 790 at the side (cover optionally with angled top edge)
- markilux 790 at the front between support posts
- markilux pergola fitted to the markilux syncra
- additional combinations may be possible on request



post fixture guide track (round post) **72203.** =

78548. = flat track bracket

78719. = additional angled bracket for the bearing, gearbox and motor sides

accessories for two angled brackets **787211** =

BK stabilisation boxes (600 × 600 × 525 mm)

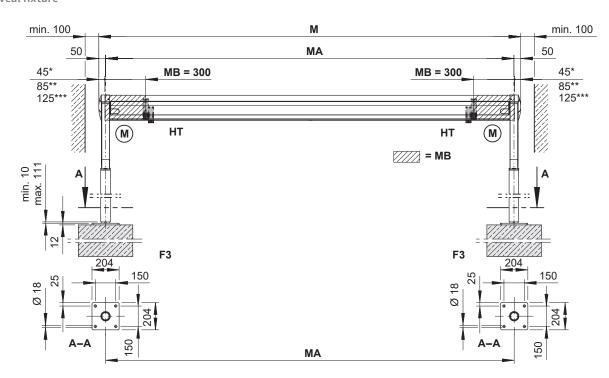
F3 concrete footing

۷P cross member

round post square post

Overview of dimensions

Reveal fixture



N.B.! In the case of reveal fixture a distance of at least 100 mm must be left free on each side of the awning.

* = dimensions for rear cable exit on motor side (standard)

** = dimensions for bottom cable exit on motor side (optional)

*** = dimensions for cable duct in case of lighting

F3 = concrete foundation. Please refer to the section "Concrete foundations"

HT = bracket

M = overall awning width = MA + 10 cm (M) = operation side, motor drive

MA = order dimension = blind fixture width = fixture width

MB = bracket fixture range

dimensions in mm

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01 Overview of dimensions

Reveal fixture of a coupled unit

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M min. 100 min. 100 MA MA 50 50 **MB** = 300 45* 45* **MB** = 300 85** 125* 85** 125*** (M) НТ KH нт (M) /////= MB min. 10 max. 111 Α 150 MA MA

N.B.! In the case of reveal fixture a distance of at least 100 mm must be left free on each side of the awning.

* = dimensions for rear cable exit on motor side (standard)
 ** = dimensions for bottom cable exit on motor side (optional)

*** = dimensions for cable duct in case of lighting

F3 = concrete foundation. Please refer to the section "Concrete foundations"

HT = bracket

KH = coupling bracket

M = overall awning width = **MA** + 10 cm

M = operation side, motor drive

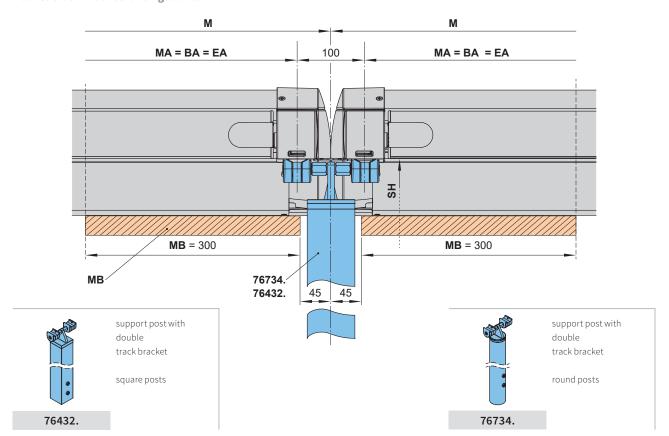
MA = order dimension = blind fixture width = fixture width

MB = bracket fixture range

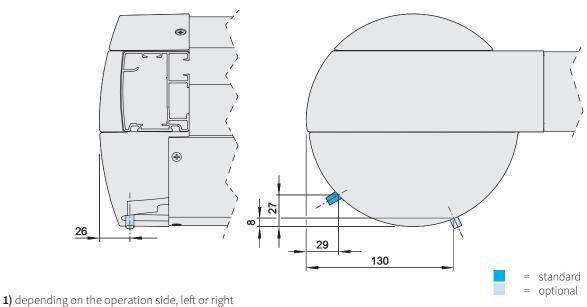
dimensions in mm

Overview of dimensions

Double track bracket for single units



Motor cable exit point 1)



76734. = support post round with double track bracket **76432.** = support post round with double track bracket

= width between fixture points BA

EΑ = single unit

= overall awning width = **MA** + 10 cm М

order dimension = blind fixture width = fixture width MA

= bracket fixture range MB

dimensions in mm

Calculation of the approximate fixture height, examples 01

Example 1: front support posts pushed as far forward as possible, Y = 100 mm

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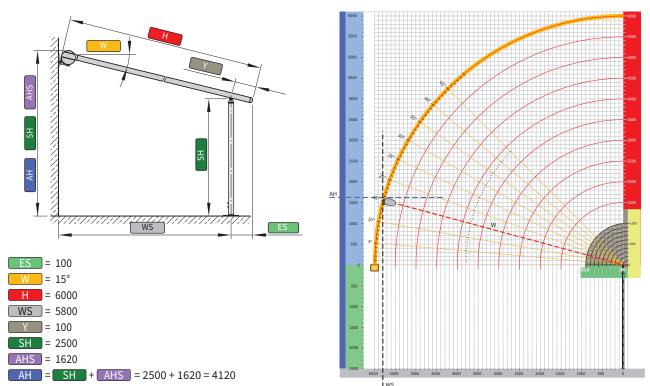
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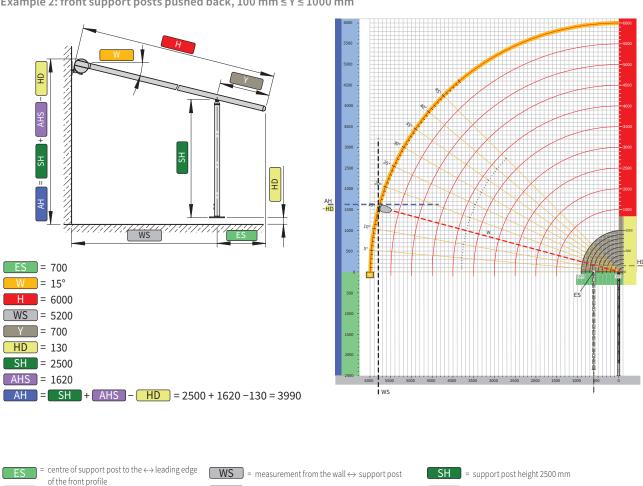
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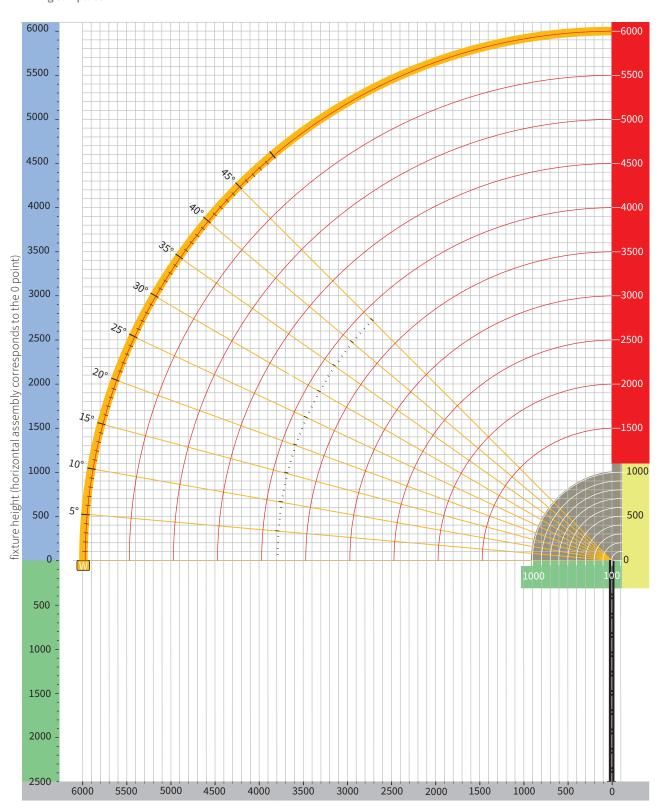
Example 2: front support posts pushed back, 100 mm ≤ Y ≤ 1000 mm



pitch = distance front support posts can be moved back = fixture height from the top edge of the support post HD = difference from the fixture height = installation height = extension dimensions in mm

Calculation of the approximate fixture height

Drawing template



N.B! An on-line tool to calculate the installation measurements can be found in the protected area of the website, pro.markilux.com.

dimensions in mm

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