

Awning System

markilux pergola

Exceptional sun and wet weather protection for large areas.





Product characteristics

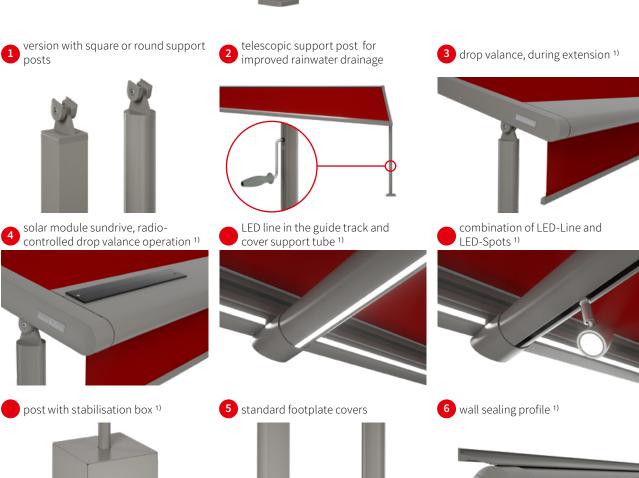
1) optional configuration

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Wind resistance class 3





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 tensioning technology and the stable construction, the system can be used up to Beaufort 6 (wind resistance class 3).

Special features

- fully encompassing cassette that protects the cover perfectly
- the 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 lateral cover guidance system that leaves no gap between cover and guide tracks
- option of a drop valance vertical protection against low-lying sun, wind and inquisitive glances integrated into the front profile, can be be operated manually or solar driven by radio remote control (433 MHz)
- various lighting combinations available: light strip LED-Line in the guide tracks, LED-Line in the cover support
 tube or LED-Spots fitted to the cover support tube individually configurable lighting options providing a
 pleasant atmosphere in the evening
- the version with a manually operated telescopic post ensures optimum water drainage, even at the low minimum inclination of 7°
- support posts optionally with round or square shaped profiles, incl. screw-on footplates or stabilisation boxes for flexible installation
- can be combined perfectly with the awning systems markilux construct, markilux syncra, vertical blinds markilux 876 tracfix, markilux 776 tracfix, side screen markilux 790

Dimensions

- single unit: 67–600 cm in width, maximum extension 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
- the roller tube bearer is made of die-cast aluminium

Awning 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 mm × 70 mm)
- front profile rounded at the front, height × depth 150 mm × 70 mm

Side caps

- the cassette end caps with opening to accept the 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 brackets: face fixture, top fixture, eaves fixture
- \bullet support post round Ø 70 mm or square 70 \times 70 mm, standard height 250 cm, heights up to 300 cm are available
- screw-on footplate 200 × 200 mm
- the footplate cover 212 × 212 mm in one piece, height 48 mm, is made of die-cast aluminium, powder coated
- an optional version of the support posts with stabilisation boxes 600 × 600 mm, height 525 mm, for flexible 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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1 Frame colours

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markilux frame colours without surcharge

markitax frame colours without surcharg

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 at a surcharge – matt, metallic 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.

1) textured finish

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

Dimensions and configuration options

Single unit

					Aw	ning fix	ture wi	dth				Minimur	n fixture width
		150 1)	200 1)	250	300	350	400	450	500	550	600		
Orde	er	67 ²⁾	151	201	251	301	351	401	451	501	551		
dime	ensions	150	200	250	300	350	400	450	500	550	600	Hard-wired	Radio-controlled
Over awni	rall ing width	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	motor	motor
	150 1)												
	200												
	250												
	300												
н	350											73 ²⁾	83 ²⁾
П	400											13-	03 ⁻ /
	450												
	500										_		
	550									_	_		
	600									_	_		

dimensions in cm

 = only pergola with fixed posts = 94 cm for drop valance with sundrive solar panel = order dimension = extension 	= optional version: adjustment range of telescopic post 20 nel = optional version: adjustment range of telescopic post 3 = optional version: adjustment range of telescopic post 4				
The minimum pitch that will ensure water drainage	extension ≤ 250 cm	extension ≥ 251 ≤ 350 cm	extension ≥ 351 ≤ 450 cm	extension ≥ 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, with / without shadeplus	7°	8°	9°	10°	

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

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

Awning cover	Fabric pattern no.	Standard	Optional
sunvas 1) 6)	301 / 309315	\checkmark	_
perla 1) 5)	370	_	\checkmark
sunsilk 1) 6)	324 / 325 / 328 / 369	√	_
perla FR 1) 5)	374 / 375	_	\checkmark
perfotex 2)	331 / 332	\checkmark	_
transolair	3383) / 3391)	_	\checkmark
vuscreen Alu	317	_	_
Soltis Perform 92 ⁴⁾	92-20	_	\checkmark
Glass fibre screen	272		
perfotex ²⁾ transolair vuscreen Alu Soltis Perform 92 ⁴⁾	331 / 332 3383) / 339 ¹⁾ 317 92-20 272	- - - - -	- - - - -

Standard fabric panel widths

1) 60 cm **2)** 120 cm

3) 84 cm

4) 88.5 cm

5) Only with tracfix

6) In the case of striped patterns, an even repeat at every second seam in the seam area is not possible.

Coupled Awning

2-5 fields, 1 motor per field

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

maximum field dimensions: see dimension overview for a "single unit"

General information

Different extensions in coupled awnings are available. In different awning widths, the rolling up characteristics of the covers may also be visually different. This affects neither the functionality of the awning nor the service life of the cover.

Shadeplus / drop valance	standard	optional
height 230 cm (manual operation)		
height 230 cm (motor operation, depending on the fabric pattern)		
crank handle	\checkmark	_
hard-wired motor	_	_
radio-controlled motor io, 868 MHz	_	_
radio-controlled motor RTS, 433 MHz	_	\checkmark
cover ¹⁾ sunvas / sunsilk / transolair / vuscreen Alu / Soltis Perform 92		

1) the width of the drop valance cover is narrower than that of the awning.

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01 Optional accessories

with adjustable post(s), manual operation

posts with stabilisation boxes

drop valance with sundrive solar panel or manual operation

13 LED-Line in the guide tracks on both sides

LED-Line in the cover support tube 1)

LED spotlights suspended from the cover support tube 1)

infrared heater 2000 W / 2500 W

infrared heater 2500 W with integrated radio-controlled

receiver 868 MHz io

wall sealing profile

more than one motor in coupled units which can be operated independently of one another

automatic controls (light, wind, rain)

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

1) the LED-Line and LED spotlights cannot be combined

Shadeplus / drop valance with radio-controlled motor RTS 2) 3)

Shadeplus / drop valance cover	fabric range no.	standard	optional	blind fixture width	height	cover manuf.
cunyas	301 / 309–315	✓		≤ 600	160	LN
sunvas	301 / 309313	٧	_	≤ 600	230	QN
sunsilk	324 / 325 / 328 / 369	✓		≤ 600	160	LN
Sullsitk	324 / 323 / 326 / 309	V	_	≤ 600	230	QN
sunvas (250 cm)	31008, -09, -13, -16, -18, -25, 27, -28, -31, -36, -37, -57, -58, 31109, -14, -17	√	_	≤ 600	230	N
transolair	338 / 339	_	\checkmark	≤ 600	230	Ν
vuscreen Alu	317	_	\checkmark	≤ 600	160	Ν
Soltis Perform 92	92-20	_	\checkmark	≤ 600	230	QN
glass fibre screen	272	_	_			
perfotex	331 / 332	_	_			
perla	370	_	_			
perla FR	374 / 375	_	_			

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

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

N = seamless

LN = vertical seam(s), panel width usually 60 cm

QN = horizontal seam(s)

dimensions in cm

Dimensions and configuration options

Coupled unit, 2 fields

			Awning fixture width										
		600 1)	700 ¹⁾	800	900	1000	1100	1200					
Order		551	601	701	801	901	1001	1101					
dimensions		600	700	800	900	1000	1100	1200					
Awning width		+ 10	+ 10	+ 10	+ 10	+ 10	+ 10	+ 10					
	150												
	200												
	250												
	300												
н	350												
"	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		551	601	701	801	901	1001	1101	1201	1301	1401	1501	1601	1701
dimensi	ons	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
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											_	_	_

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dimensions in cm

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

H = *order dimension* = extension

Lighting options

Lighting options

1 LED spotlights suspended from the cover support tube 1)

2 LED-Line in the cover support tube 1)

3 LED-Line in the guide tracks on both sides

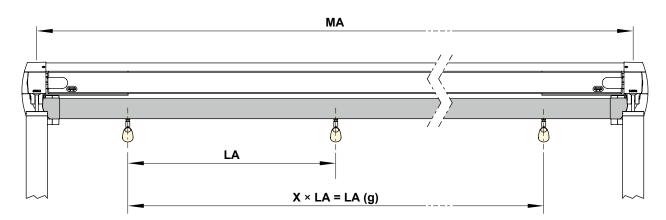
Controlsstandardoptionalon / off switch-✓radio-controlled dimmer io, 868 MHz✓-radio-controlled dimmer RTS,
433 MHz-✓

For combination possibilities please view section "Dimension overview lighting options"

1) The LED-Line and LED spotlights cannot be combined

Distribution of the LED spotlights

1 LED spotlights in the cover support tube



Blind fixture width	No. of spotlights	LA	LA (g)
150-250	3	65	130
251-300	3	98	196
301–350	3	98	196
351-400	4	98	294
401–450	4	98	294
451–500	5	98	392
501-550	5	98	392
551-600	6	98	490

dimensions in cm

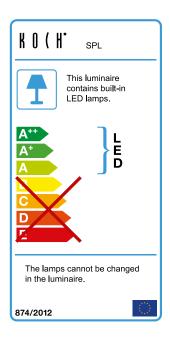
LA (g) = distance between the spotlights (total)

MA = *order dimension* = awning fixture width

1 LED spotlights in the cover support tube

Technical specification

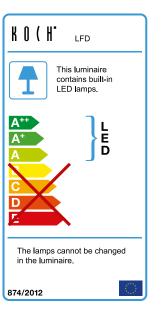
•	
operating voltage	230 V, 50 Hz
power output of an LED spotlight	5 W
bulbs	LED (12 V)
number of transformers	1 unit
light temperature	2700 K
IP protection class	IP 44
service life	approx. 20,000 h



2 and 3 LED-Line in the guide tracks and / or in the cover support tube

Technical specification

operating voltage	230 V, 50 Hz
power output per metre	10 W
bulbs	LED (12 V)
number of LEDs	120 units / m
number of transformers	1 unit
light temperature	3200 K
IP protection class	IP 44
service life	approx. 15.000 h



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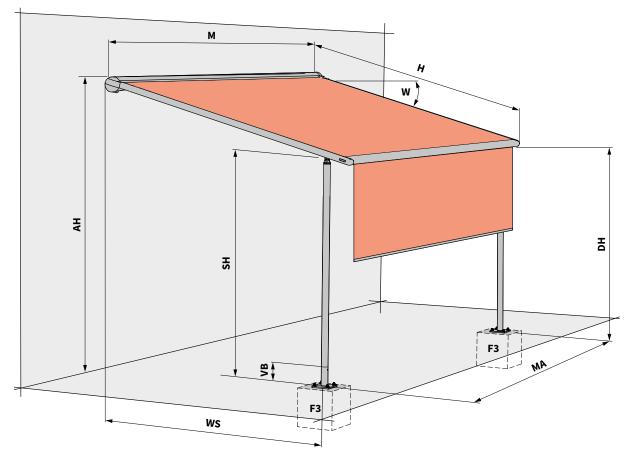
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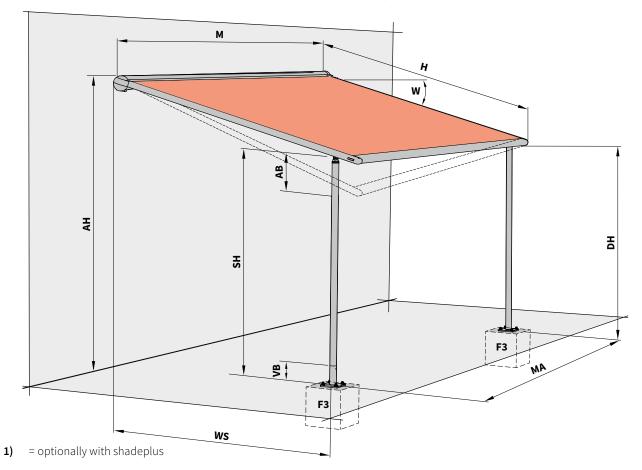
01 Dimension overview

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

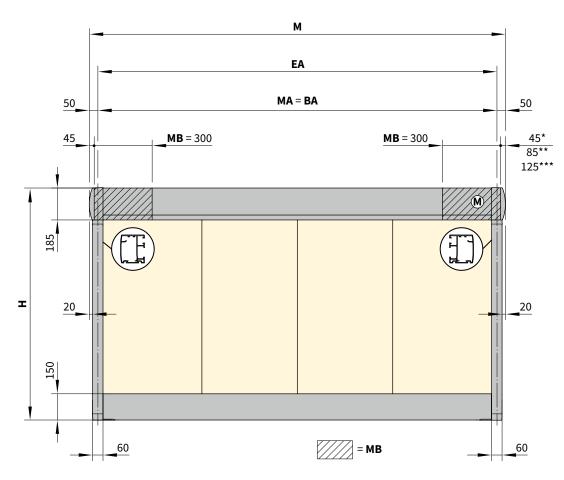


pergola with telescopic post 1) – support post fixture to a concrete footing



Overview of fixture dimensions

Single unit



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

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

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

[...] = the cover gap dimension in standard units; there is no cover gap in units with the tracfix system

AH = fixture height

BA = fixture width = awning fixture width = order width

DH = headroom

EA = single unit

F3 = concrete foundation.

Please view section "Concrete foundations"

H = *order dimension* = extension

M = overall awning width = MA + 10 cm

M = operation side, motor drive

MA = *order dimension* = awning fixture width

MB = bracket fixture range

SH = *order dimension* = post height, standard height 2500 mm (bespoke 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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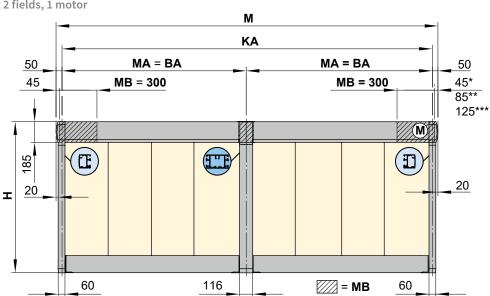
01 Overview of fixture dimensions

Coupled Awning

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M W W F3

Coupled unit 2 fields, 1 motor

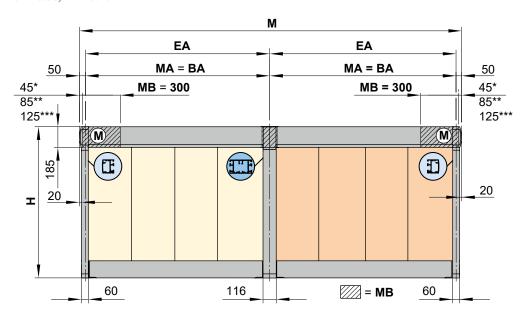


- * = dimensions for rear cable exit on motor side (standard)
- ** = dimensions for bottom cable exit on motor side (optional)
- *** = dimensions for cable duct in case of lighting
- **AH** = fixture height
- **BA** = fixture width = awning fixture width = order width
- **DH** = headroom
- **EA** = single unit
- **F3** = concrete foundation.
 - Please view section "Concrete foundations"

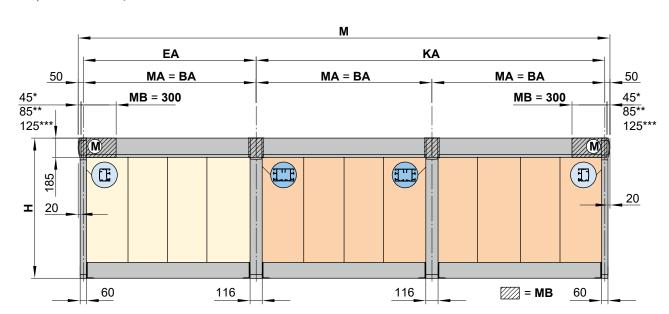
- **H** = *order dimension* = extension
- **KA** = coupled awning
- **M** = overall awning width = MA + 10 cm
- **M** = operation side, motor drive
- **MA** = *order dimension* = awning fixture width
- **MB** = bracket fixture range
- **SH** = *order dimension* = post height, standard height 2500 mm (bespoke heights on request)
- **VB** = height adjustment 10 cm
- **W** = pitch setting = 5° - 45°
- $\textbf{WS} = \text{distance from wall} \longleftrightarrow \text{support post} \qquad \text{dimensions in mm}$

Dimension overview

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 width

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

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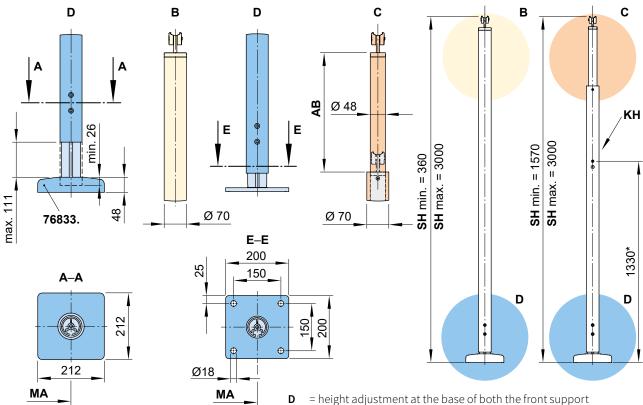
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01 Post dimensions

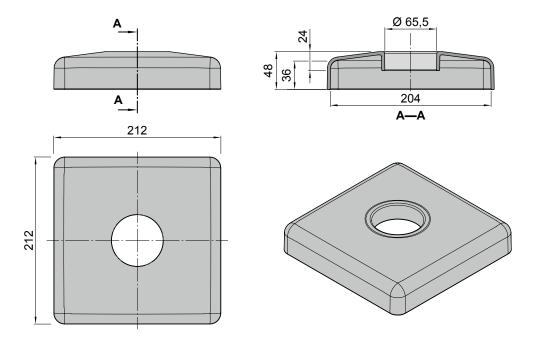
Square support post with footplate (not adjustable/adjustable) С В С AB □ 48 ΚH 26 Ε Ε **SH** max. = 3000 **SH** max. = 3000 **SH** min. = 1570 min. **SH** min. = 360 max. 111 48 □ 70 □ 70 76833. E-E 1330* 200 25 150 A-A D D -ф ф-212 150 212 Ø18 MA MA

Round support post with footplate (not adjustable/adjustable)



- * = dimensions at the standard height
- AB = adjustment range of a post 200, 300 or 400 mm. For more detailed information please refer to "Dimensions and configuration options"
- **B** = support post without manual adjustment option
- **C** = support post with manual adjustment option
- posts during installation approximately 100 mm
- **KH** = winch handle socket
- **MA** = *order dimension* = awning fixture width = fixture width
- SH = order dimension = post height post height, standard height
 2500 mm (bespoke heights on request)
 dimensions in mm

Footplate cover



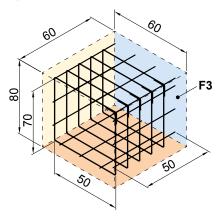
Concrete foundations

To be supplied on site:

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Concrete foundations with a compressive strength complying with C25/30 (previously B25) with a reinforcement cage made of rebar matting Q188.

F3



The footplates (F3) are to be fitted to the concrete footings

using Fischer marine-grade stainless steel anchor bolts (FAZ 10/30 and washers certified to DIN 9021 (or equivalent)

dimensions in cm

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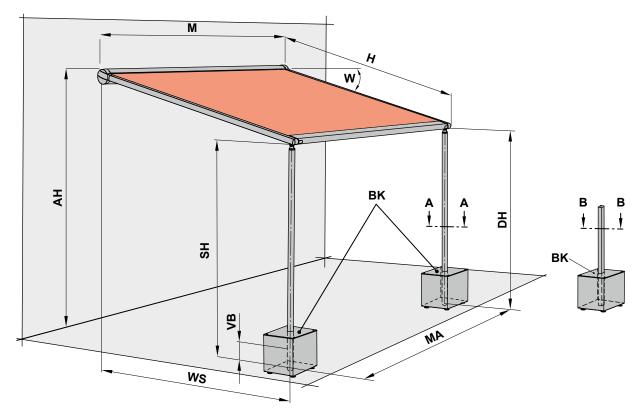
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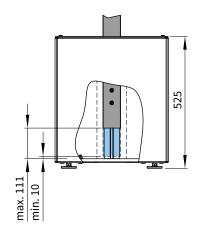
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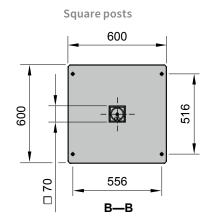
01 Dimension overview

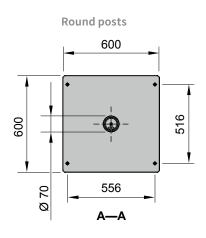
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pergola - support posts with stabilisation boxes









Fill each of the stabilisation boxes on site with at least 150 kg of sand, gravel or pebbles.

AH = fixture height

BK = stabilisation box

DH = headroom

H = *order dimension* = extension

M = overall awning width = MA + 10 cm

MA = order dimension = awning fixture width = fixture width

SH = *order dimension* = support post height

VB = height adjustment at the base of both the front support posts during installation approximately 100 mm

W = pitch setting = 5° – 45°

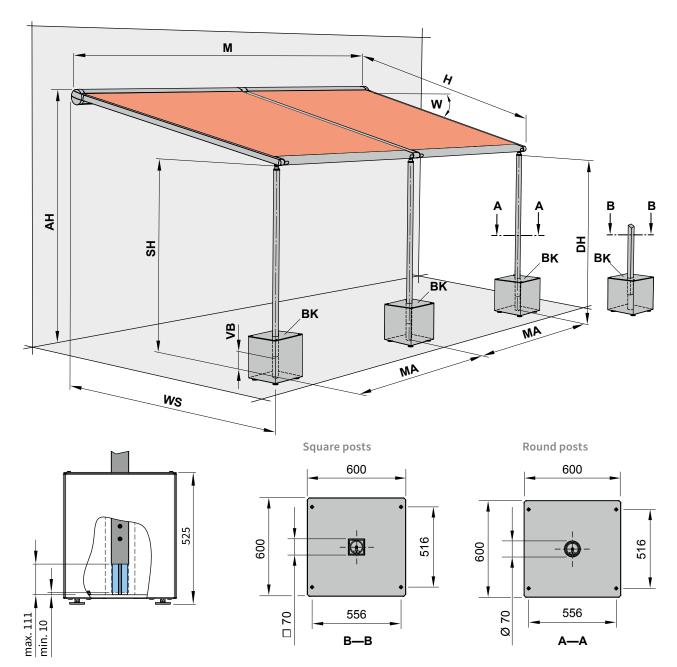
WS = distance from wall ↔ support post centre

dimensions in mm

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Dimension overview

pergola – support posts with stabilisation boxes, coupled unit



Fill each of the stabilisation boxes on site with at least 150 kg of sand, gravel or pebbles.

AH = fixture height

BK = stabiliisation box

DH = headroom

H = *order dimension* = extension

M = overall awning width = MA + 10 cm

MA = order dimension = awning fixture width = fixture width

SH = *order dimension* = support post height

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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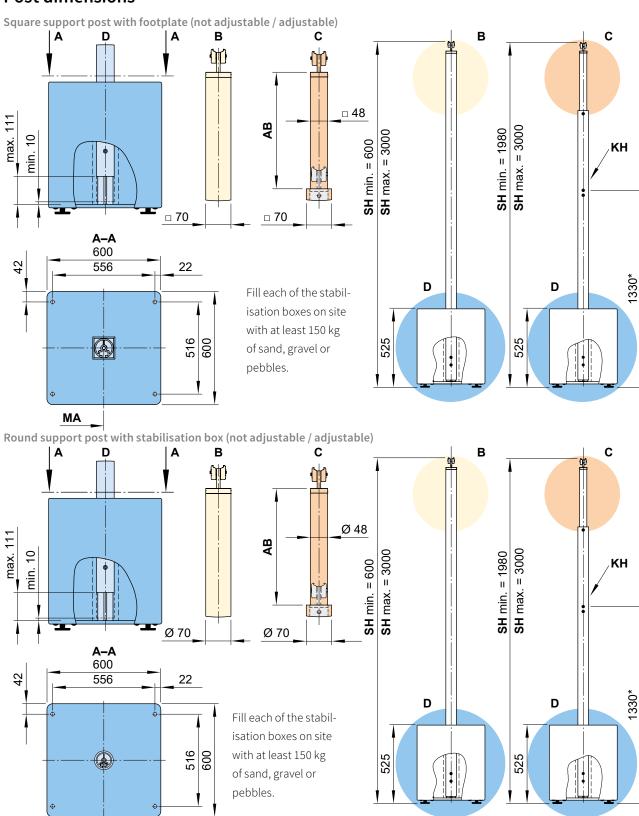
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01 Post dimensions



* = dimensions at the standard height

MA

- AB = adjustment range of a post 200, 300 or 400 mm. For more detailed information please refer to "Dimensions and configuration options"
- **B** = support post without manual adjustment option
- **c** = support post with manual adjustment option
- **D** = height adjustment at the base of both the front support posts during installation approximately 100 mm
- **KH** = winch handle socket
- **MA** = *order dimension* = awning fixture width = fixture width
- **SH** = *order dimension* = post height post height, standard height
 2500 mm (bespoke heights on request) dimensions in mm

Fixtures, fittings and accessories



face fixture cassette bracket

eft

pitch adjustment range 5°–45°





face fixture cassette bracket

right

pitch adjustment range 5°–45°

76064.



coupling cassette bracket

central

pitch adjustment range 5°_45°

76181.



face fixture cassette bracket, wide

left

pitch adjustment range

76231.



face fixture cassette bracket, wide

right

pitch adjustment range

76232.



top fixture cassette bracket

pitch adjustment range 5°–20°

77058.

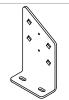


coupling cassette bracket

top fixture

pitch adjustment range 5°–20°

73803.



eaves fixture bracket

767281

accessories

for two eaves fixture brackets 77010.



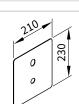
stand-off brackets for face fixture brackets 76063., 76064. and 76181.

length min 80 mm up to max. 300 mm

77956.

76050.

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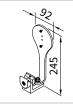


77010.

cover plate for installation with stand-off bracket 77956. in the case of external insulation

210 × 230 mm

71844.



bracket sun and/or wind sensor io





Wall sealing profile incl. brush seal when installing with a coverboard

available by the metre

76385. and 704241



76723.

1 side plate including 2 pan-head self-tapping screws for wall sealing profile

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76386. and 2 × 735611

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■ **01** Face fixture

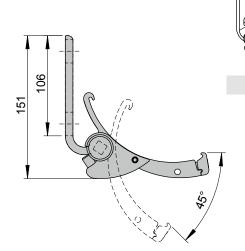
Face fixture cassette bracket, left

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face fixture cassette bracket

76063.

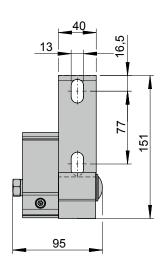
76064.

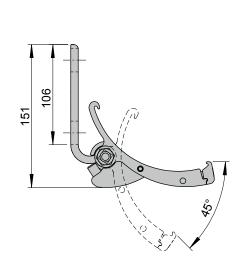
left

pitch adjustment range 5°–45°

dimensions in mm

face fixture cassette bracket, right





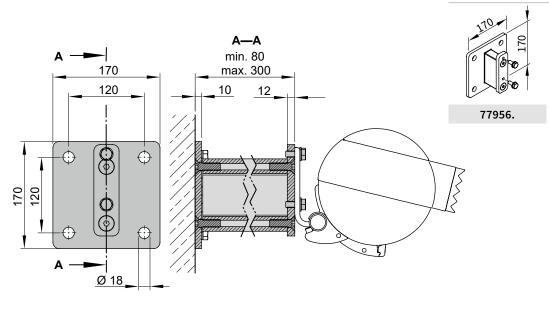
face fixture cassette bracket

right

pitch adjustment range 5°–45°

dimensions in mm

Face fixture using stand-off brackets



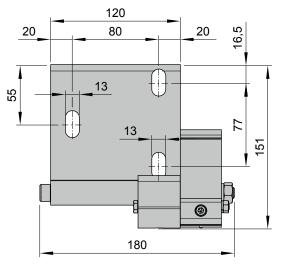
stand-off brackets for face fixture brackets 76063., 76064. and 76181.

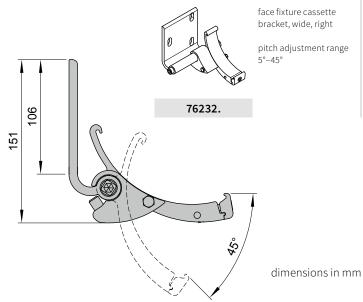
length min. 80 mm up to max. 300 mm

dimensions in mm

Face fixture

Face fixture cassette bracket, wide, right



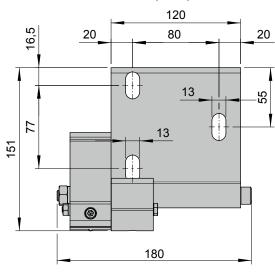


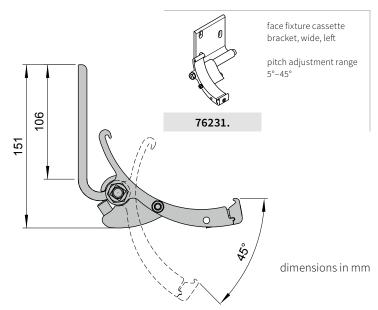
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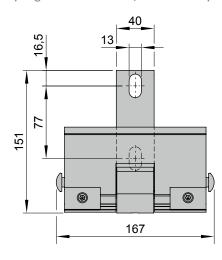
07

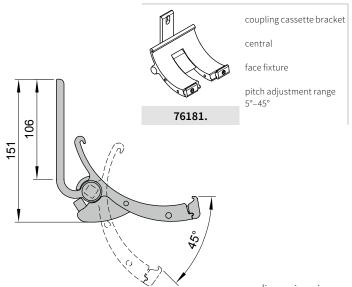
Face fixture cassette bracket, wide, left





Coupling cassette bracket (central in coupled units)





dimensions in mm

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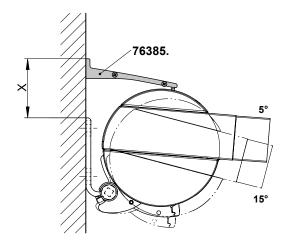
■ **01** Face fixture

04

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

5°

10°

15°

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

ws

AH = fixture height = $SH + ZX + sin W \times (H - Y)$

AX = distance from wall ↔ cassette

DH = headroom = $SH - sin W \times Y$

F3 = concrete foundation. Please view section "Concrete foundations"

H = *order dimension* = extension

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

W = pitch (measured from the horizontal)

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

Y = the support post can be moved back by min. 100 mm 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

dimensions in mm

х

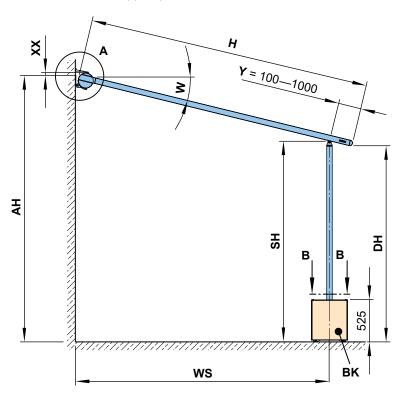
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89

81

Face fixture

Dimension overview support post with stabilisation box



-	AX
×	76385.
X	
	76063. 76064.
	600 556
600	

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

Fill each of the stabilisation boxes on site with at least 150 kg of sand, gravel or pebbles.

B-

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

AH = fixture height = $SH + ZX + sin W \times (H - Y)$

AX = distance from wall ↔ cassette

BK = stabilisation box

DH = headroom = SH - sin W × YH = order dimension = extension

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

W = pitch

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

Y = the support post can be moved back by min. 100 mm 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

dimensions in mm

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Top fixture 01

Top fixture cassette bracket, right and left

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26,5

26,5

130 77 27

60

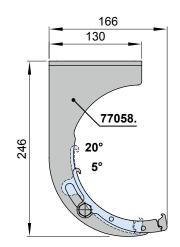
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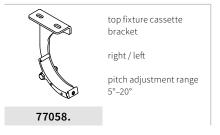
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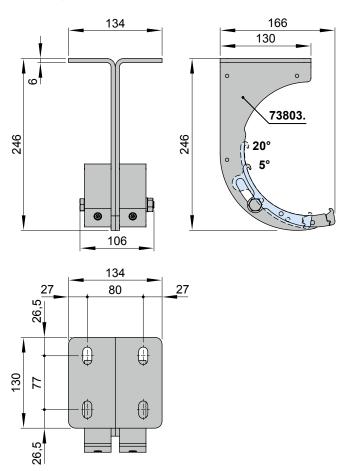
A—A

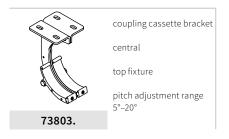
04







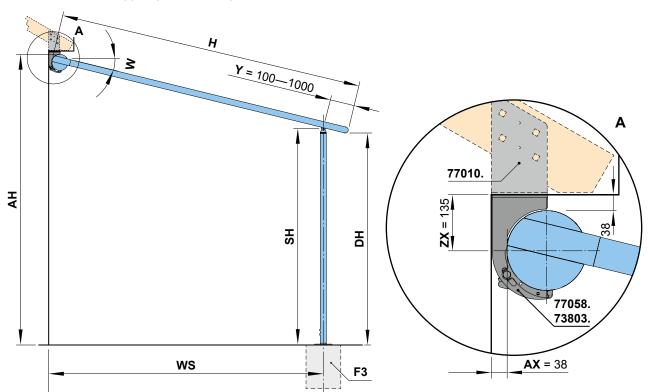




dimensions in mm

Top and eaves fixture

Dimension overview support post with footplate



73803. = coupling cassette bracket

77010. = eaves fixture bracket

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

AH = fixture height = $SH + ZX + sin W \times (H - Y)$

AX = distance from wall ↔ cassette

DH = headroom = SH − sin W × Y

F3 = concrete foundation. Please view section "Concrete foundations"

H = *order dimension* = extension

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

W = pitch

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

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

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

dimensions in mm

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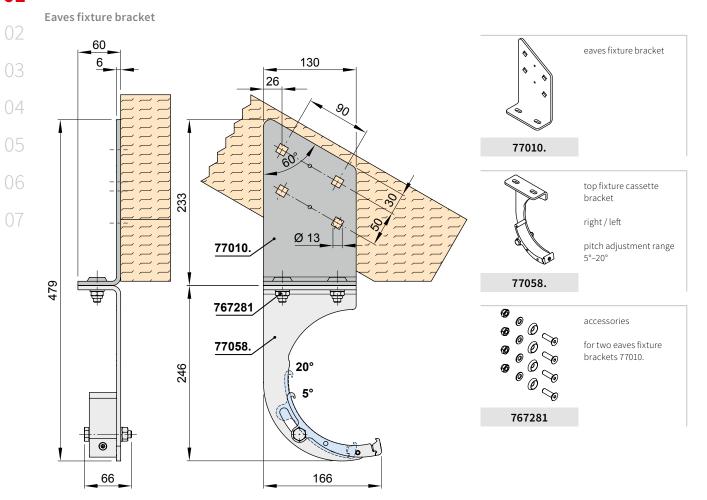
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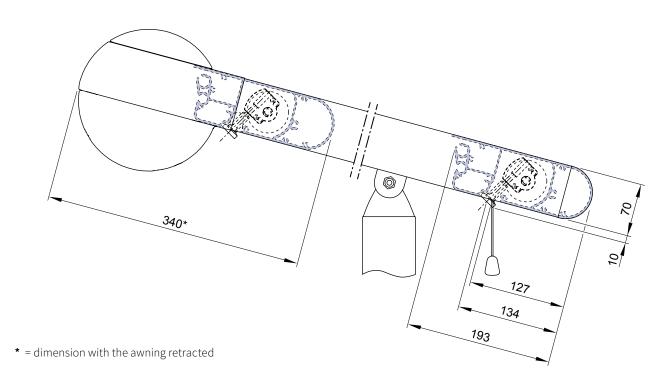
01 Eaves fixture

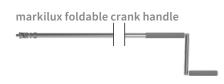


dimensions in mm

Overview of fixture dimensions, shadeplus

Magnetic gearbox operation

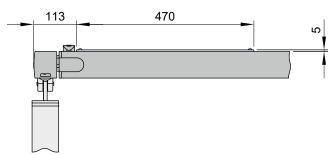




with magnetic gearbox attachment for manual operation of the drop valance lengths: standard 120 cm, optional 160 cm, from 160 cm up to max. 280 cm on request (order no. 74271.)

sundrive

Solar module for radio-controlled drop valance operation

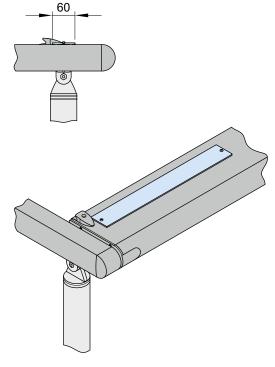




voltage	max. 21 V DC
current	max. 196 mA
output	3.2 W
ingress protection rating	IP 44
battery capacity	2200 mAh

Technical data radio-controlled motor 433 MHz

power supply	12 V DC
output	26 W
ingress protection rating	IP 44



dimensions in mm

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01 Dimension overview lighting options

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

A-A
125
45

BB
76973.

BB
125

H = *order dimension* = extension

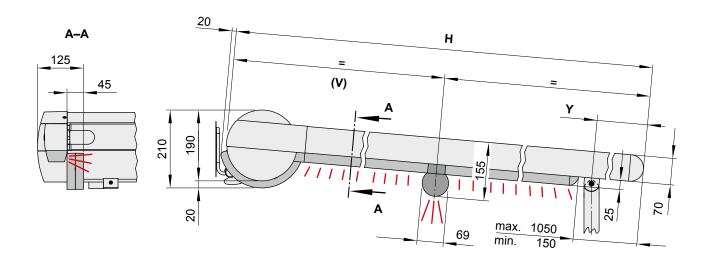
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E-box = Please refer to "E-box for the electronics"

Y = distance from post centre to leading edge of front profile. Dimensions: min. = 100 mm, max. = 1000 mm

Option 2: LED-Line in the cover support tube, electronic components in the cover support tube

Option 3: LED-Line in the cover support tube and in the guide tracks, electronic components in the cover support tube



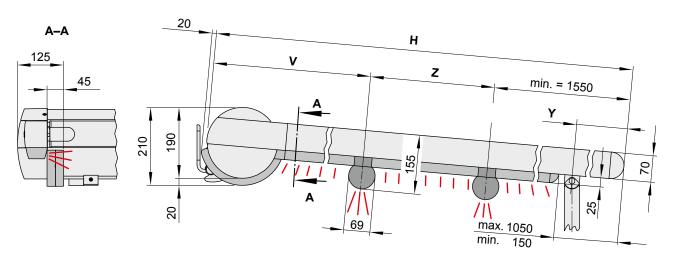
H = *order dimension* = extension

V = distance from the rear of the cassette to the centre of the cover support tube. Standard: centred ($V = H \div 2$). Bespoke dimensions are available on request. Dimensions: min. = 700 mm, max. = H - 1590 mm

Y = distance from post centre to leading edge of front profile. Dimensions: min. = 100 mm, max. = 1000 mm dimensions in mm

Dimension overview lighting options

Option 4: LED-Line in two cover support tubes and the guide tracks, electronics in the cover support tube



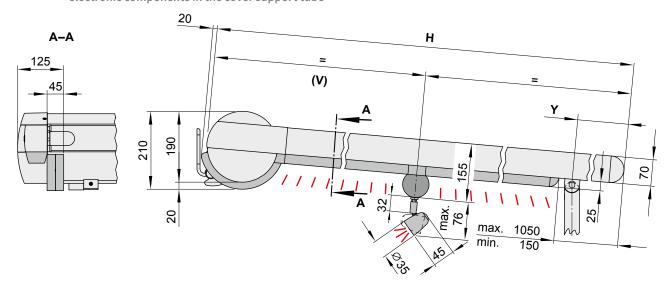
H = *order dimension* = extension

V = distance from the rear of the cassette to the centre of the rear cover support tube. dimensions: min. = 700 mm, max. = H – 2050 mm

Y = distance from post centre to leading edge of front profile. Dimensions: min. = 100 mm, max. = 1000 mm

Z = distance from the centre of the rear cover support tube to the centre of the front cover support tube dimensions: min. = 500 mm, max. = 2500 mm

Option 5: LED-Spots in the cover support tube, electronic components in the cover support tube
Option 6: LED-Spots in the cover support tube and LED-Line in the guide tracks,
electronic components in the cover support tube



H = *order dimension* = extension

V = distance from the rear of the cassette to the centre of the cover support tube. Standard: centred (V = H \div 2). Bespoke dimensions are available on request. Dimensions: min. = 700 mm, max. = H - 1590 mm

Y = distance from post centre to leading edge of front profile. Dimensions: min. = 100 mm, max. = 1000 mm dimensions in mm

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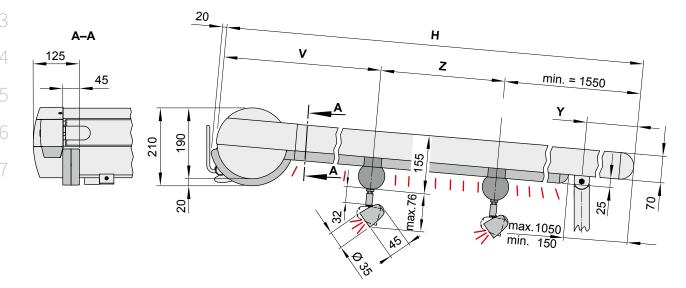
 $\cap A$

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■ **01** Dimension overview lighting options

Option 7: LED spotlights in two cover support tubes, electronics in the cover support tube
Option 8: LED spotlights in two cover support tubes and LED-Line in the guide tracks, electronics in the cover support tube



H = *order width* = extension

V = distance from the rear of the cassette to the centre of the (rear) cover support tube. dimensions: min. = 700 mm, max. = H - 2050 mm

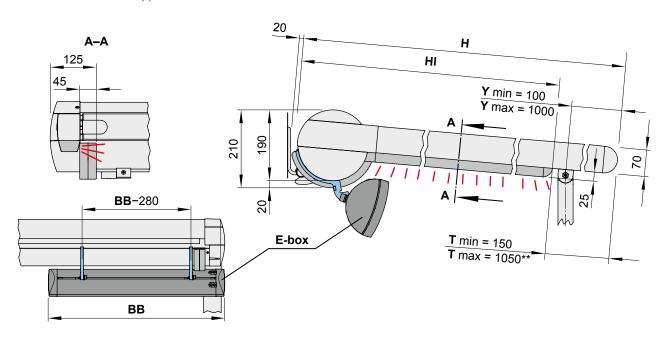
Y = distance from post centre to leading edge of front profile. Dimensions: min. = 100 mm, max. = 1000 mm

Z = distance from the centre of the rear cover support tube to the centre of the front cover support tube.

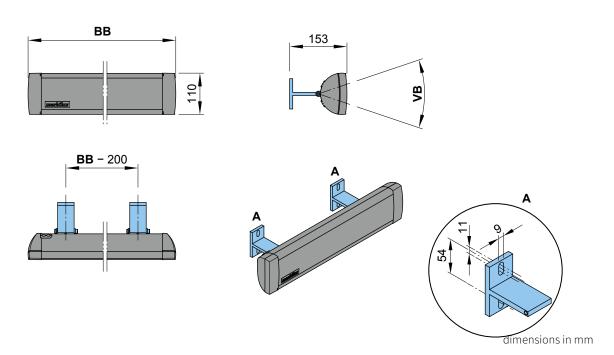
Dimensions: min. = 500 mm, max. = 2500 mm dimensions in mm

E-box for the electronics

In units without cover support tube



Dimension overview E-box



868 MHz io

Minimum E-box dimensions

wireless technology

67							
Extension H	< 330 cm	≥ 330 cm	< 330 cm	≥ 330 cm			
Lighting options							
LED-Line in the Guide tracks	E-box M 71850. BB = 500 mm	E-box G 71873. BB = 700 mm	E-box M 71850. BB = 500 mm				

RTS (433 MHz)

E-box | 71851. BB = to order

** = standard

BB = order width

E-box = in sizes M, G or I

H = order dimension = extensionT = indent dimension LED-Line

VB = adjustment range

Y = possible indent dimension of support post

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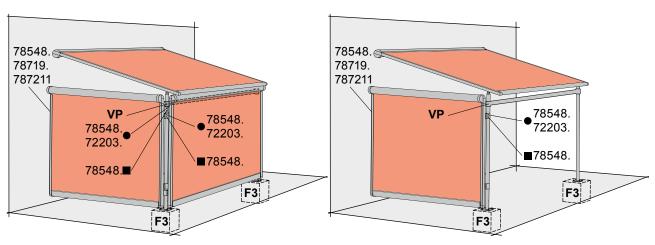
Combination Possibilities

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

VP
78548.
72203.
78548.
78548.
78548.
8K

vertical cassette blind at the front

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



combination with vertical cassette blinds both at the side and at the front

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.

Further possible combinations

- markilux 790 at the side (cover optionally with angled top edge)
- markilux 790 at the front between support posts
- pergola fitted to the markilux syncra or markilux construct
- Other possible combinations are available on request.

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

78548. = flat track bracket

78719. = additional angled bracket, bearing / gearbox / motor side

787211 = accessories for two angled brackets

BK = stabilisation boxes (600 × 600 × 525 mm)

F3 = concrete footing

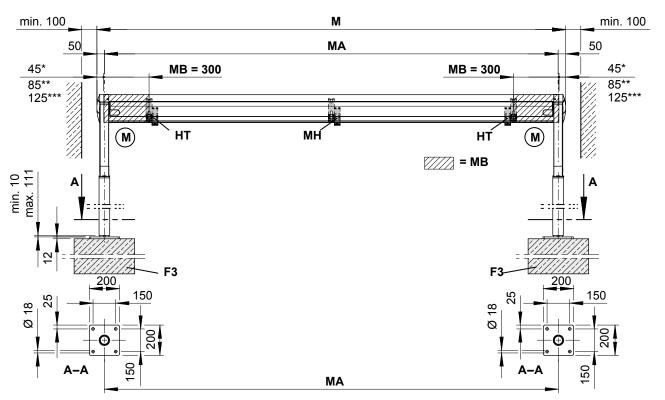
VP = cross member

= round post

= square post

Overview of fixture 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 view section "Concrete foundations"

HT = bracket

M = overall awning width = MA + 10 cm

M = operation side, motor drive

MA = *order dimension* = awning fixture width = fixture width

MB = bracket fixture range

MH = from an awning width of 601 cm an additional wall bracket (76063.) is required

dimensions in mm

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Overview of fixture dimensions

Reveal fixture of a coupled unit

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М min. 100 min. 100_ MA MA 50 50 45* 45* MB = 300MB = 30085** 85** 125*** 125* (M) НТ ΚH HT (M) ////= MB min. 10 max. 111 Α 200 150 MA MΑ

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 view section "Concrete foundations"

HT = bracket

KH = coupling bracket

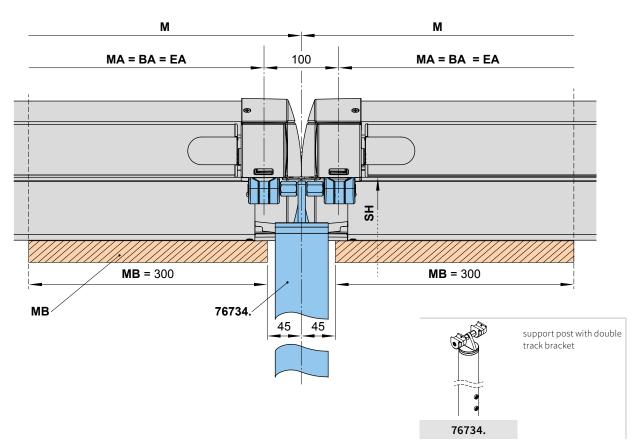
M = overall awning width = MA + 10 cm

M = operation side, motor drive

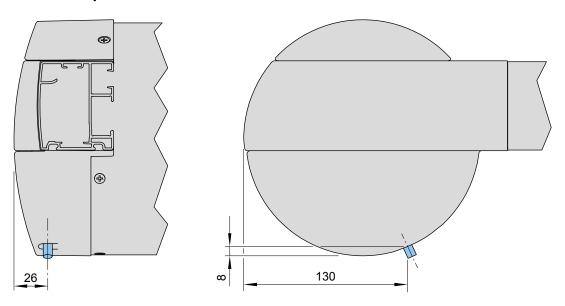
MA = *order dimension* = awning fixture width = fixture width

MB = bracket fixture range dimensions in mm

Overview of fixture dimensions, double track bracket for single units



Motor cable exit point



76734. = support post with double track bracket

BA = width between fixture points

EA = single unit

M = overall awning width = MA + 10 cm

MA = *order dimension* = awning fixture width = fixture width

MB = bracket fixture range dimensions in mm

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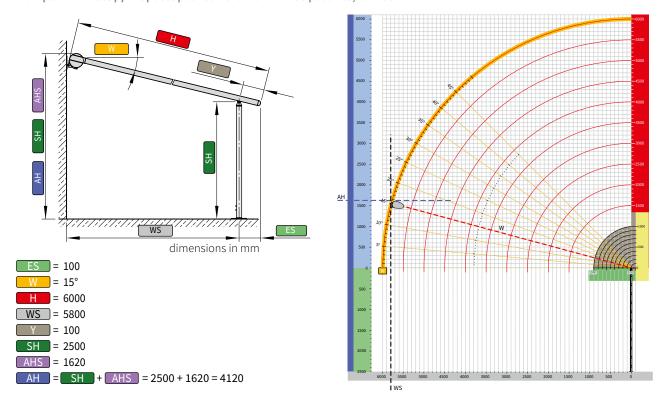
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Calculation of the approximate fixture height, examples

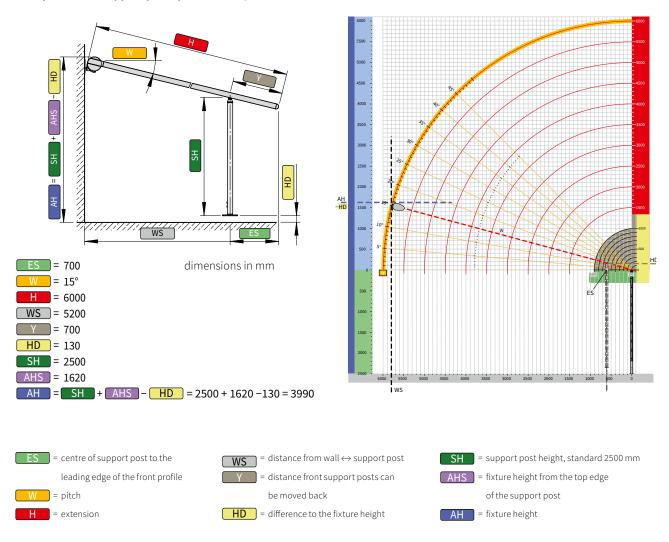
Example 1: front support posts pushed as far forward as possible, Y = 100 mm

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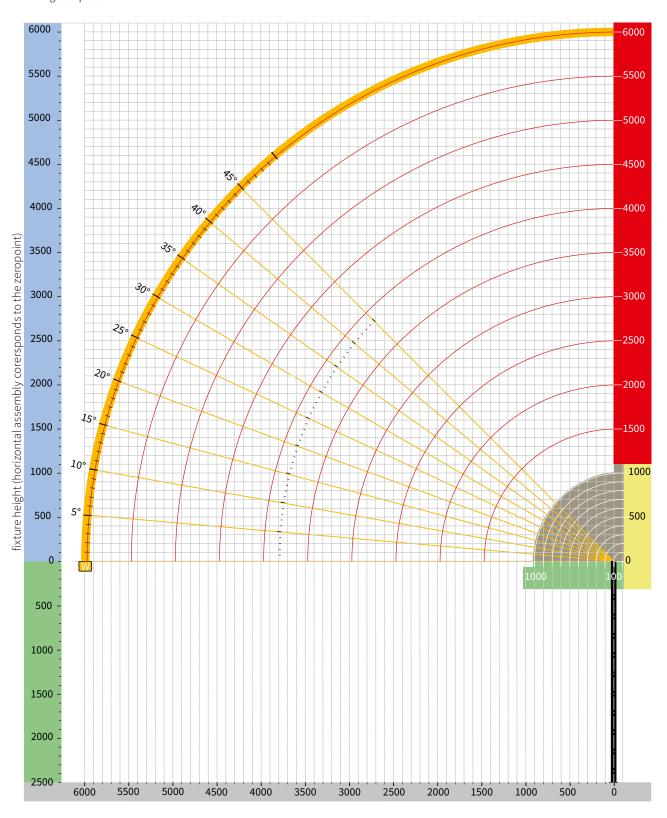


Example 2: front support posts pushed back, Y ≥ 100 mm and ≤ 1000 mm



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, markiluxPRO.

dimensions in mm

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