



Underglass Awning

markilux 879 / 879 tracfix

Complete harmony of form and function – the underglass awning for large areas.
Cleverly designed, the perfect shading solution for glass canopies.



reddot design award
winner 2017

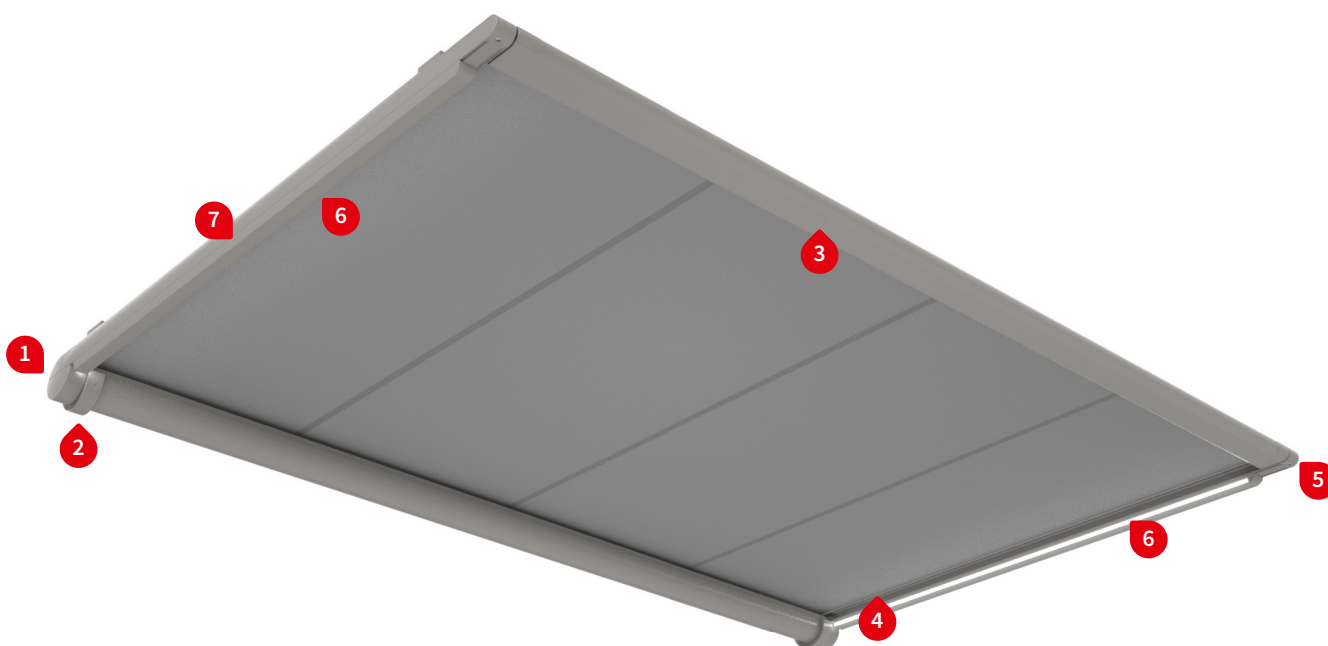


markilux.com

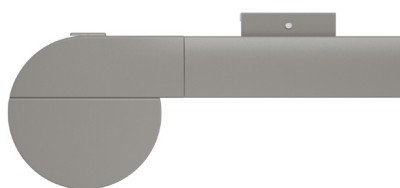
markilux
safe timeless beautiful

Product characteristics

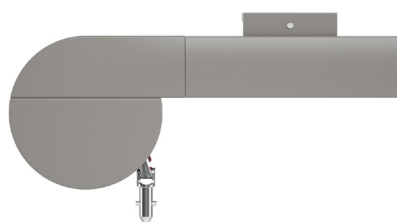
Wind resistance class 2 | 3 (depending on size)
 Beaufort 5 → 28–37 km/h → 7.5–10.4 m/s → 17–23 mph |
 Beaufort 6 → 38–48 km/h → 10.5–13.4 m/s → 24–30 mph



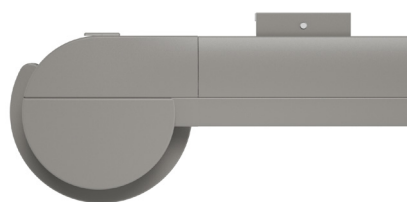
1 side view: motor drive, flat track bracket



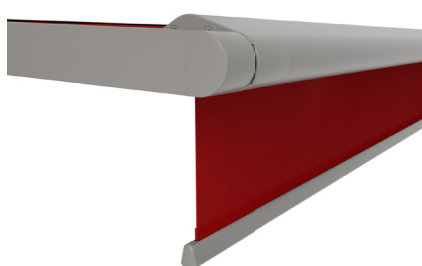
1 side view: crank handle operation



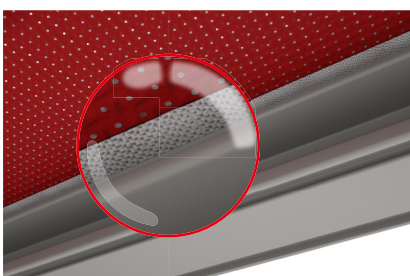
2 cable feed for lighting options



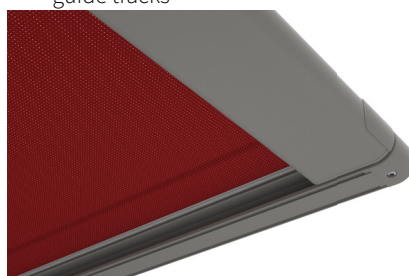
3 shadeplus during extension



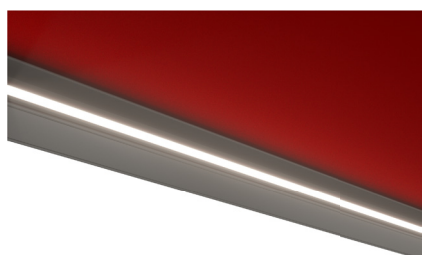
4 tracfix cover guidance – no gap between cover and track ¹⁾



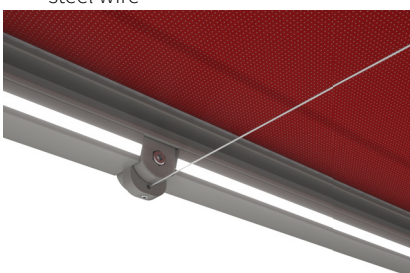
5 when extended, the front profile finishes flush with the end of the guide tracks



6 LED-Line fitted to the guide track ¹⁾



7 LED-Line fitted to the guide track ¹⁾, cover support by means of a stainless steel wire



1) Optional accessories

Product characteristics

Description

- underglass awning with attractively shaped, round cassette and harmoniously matched guide tracks.
- The ingenious tensioning system and the sturdy design allow areas of up to 27 m² (with tracfix system 24 m²) to be shaded.

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
- tracfix optional: the continuous lateral cover guidance system that leaves no gap between the cover and guide tracks – gives improved wind stability and a cleaner appearance
- 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
- option of a drop valance with a height of 150 cm or 210 cm (depending on the fabric series chosen) – protection against low-lying sun, wind and inquisitive glances integrated into the front profile, with manual operation
- the broad range of brackets with patented clip-on system offers individual fixture solutions

Dimensions

- single unit: 60–600 cm in width, maximum extension 600 cm (depending on the width)
- maximum dimensions, width × extension: 400 × 600 cm / 600 × 450 cm (without tracfix system)
- maximum dimensions, width × extension: 600 × 400 cm (with tracfix system)
- intermediate sizes are available

Roller tube and lateral bearings

- Round roller tube Ø 85 mm with keyway, galvanised steel – excellent stability, ensures near perfect cover performance even at the largest widths
- the roller tube bearing is made of stainless steel

Blind profiles

- extruded aluminium, in façade quality, powder coated
- cassette profile in two pieces, round, Ø 130 mm
- guide tracks angular, rounded edges, width × height 52 mm × 52 mm
- front profile rounded at the front, depth × height 110 mm × 52 mm, shadeplus profile depth × height 139 mm × 66 mm

Side caps

- the cassette end caps are made of die-cast aluminium, in two parts, powder coated
- the front profile end caps are made of high-quality plastic, powder coated

Fixture brackets

- extruded aluminium, powder coated
- cassette is self-supporting on guide tracks
- brackets for the guide tracks: flat track brackets, stand-off brackets, reveal fixture
- standard bracket heights: 20 mm / 85 mm / 105–145 mm (bespoke heights can be ordered)
- other accessories are available

01 **Frame colours**

02 markilux frame colours without surcharge

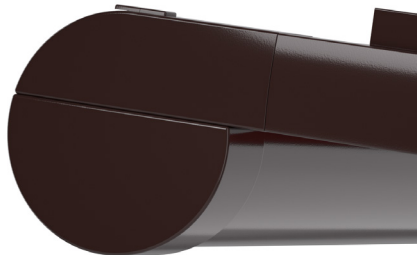
03 traffic white, RAL 9016



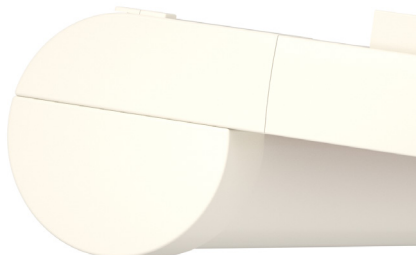
metallic aluminium, RAL 9006



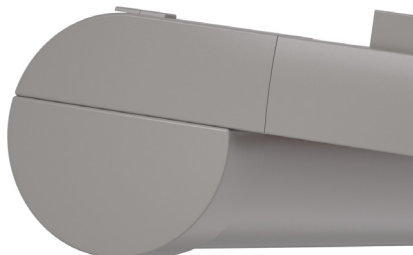
grey brown, similar to RAL 8019



07 off-white textured finish, 5233 ¹⁾



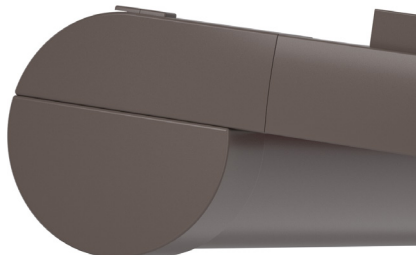
stone grey metallic, 5215 ¹⁾



anthracite metallic, 5204 ¹⁾



12 havana brown textured finish, 5229 ¹⁾



17 **Non-standard powder-coated finish**

18 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.

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

20

1) textured finish

Dimensions and configuration options

Single unit

		Awning fixture width										Minimum fixture width			
		150	200	250	300	350	400	450	500	550	600	Hard-wired motor	Radio-controlled motor		
Order dimensions		60 150	151 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600			60 [72]	70 [82]
Overall width		+ 5,4													
H	150 ¹⁾											107 ³⁾	107 ³⁾		
	200 ¹⁾														
	250 ¹⁾										2)				
	300 ¹⁾								2)	2)	2)				
	350 ¹⁾						2)	2)	2)	2)	2)				
	400 ¹⁾	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)				
	450	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)				
	500	2)	2)	2)	2)	2)	2)	—	—	—	—				
550	2)	2)	2)	2)	2)	2)	—	—	—	—					
600	2)	2)	2)	2)	2)	2)	—	—	—	—					
dimensions in cm															

1) = tracfix (optional). Only available with motor

2) = meets wind resistance class 2, all other sizes meet wind resistance class 3

3) = from an extension of 281 cm

H = extension

[...] = dimensions in the case of tracfix units

 = 4 brackets

 = 6 brackets

 = 6 brackets,
1 stainless steel cover support wire

Operation	standard	optional
crank handle	✓ ¹⁾	—
hard-wired motor	✓ ²⁾	—
silentec motor (optionally with an external io receiver) ¹⁾	—	—
radio-controlled motor io, 868 MHz	—	✓
radio-controlled motor RTS, 433 MHz	—	✓

1) Not with tracfix

2) With tracfix

Shadeplus	standard	optional
height depends on fabric pattern, see table "Shadeplus cover"		
awning fixture width minimum 201 cm – maximum 500 cm		
crank handle	✓	—
hard-wired motor	—	—
radio-controlled motor io, 868 MHz	—	—
radio-controlled motor RTS, 433 MHz	—	—

Coupled awnings

not available

Optional accessories

tracfix – cover guidance system holding the cover neatly in the guide rails

shadeplus, manual

LED-Line RGB-WW attached to the guide tracks

infrared heater 2500 W

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

automatic controls (light, wind, rain)

N.B. Important background information can be found in the chapter "Optional Accessories"

sunvas Fabric pattern 309.. – 315..
transolair 339..
perla FR 371..³⁾ / 372..³⁾ **smart art** 340..
sunsilk 324.. / 328.. / 369..
 Fabric width 120 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		250									
		300									
		350									
		400									
		450									
		500									
		550									
		600									

sunvas Fabric pattern 31008²⁾, -09²⁾, -13, -16, -18, -25, -27, -28, -31, -36, -37, -57, -58, 31109, -14, -17
 Fabric width 250 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		240									
		300			2)	2)	2)				
		350			2)	2)	2)				
		400			2)	2)					
		450			2)	2)					
		500			2)	2)					
		550			2)	2)					
		600			2)	2)					

2) also available in fabric width 320 cm – then seamless

sunbow Fabric pattern 411.. - 427..
 Fabric width 120 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		250									
		300									
		350	3)	3)	3)	3)	3)	3)	3)	3)	3)
		400	3)	3)	3)	3)	3)	3)	3)	3)	3)
		450									
		500									
		550									
		600									

3) Only in tracfix units

Note: The maximum width of the outer panels in tracfix systems with vertical panel joints is 35 cm

 = vertical panel joints

(panel width approx. 120 cm)

 = seamless

 = horizontal panel joint(s)

 = not available

AH = unit height

1) = optional

dimensions in cm

transolair Fabric pattern 338..
Fabric width 250 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		240									
		300									
		350									
		400									
		450									
		500									
		550									
		600									

perfortex Fabric pattern 331.. / 332..
Fabric width 120 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		250									
		300									
		350									
		400									
		450									
		500									
		550									
		600									

vuscreen Alu Fabric pattern 317..
Fabric width 252 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		243									
		300									
		350									
		400									
		450									
		500									
		550									
		600									

glass fibre screen Serge 600 (only available with tracfix) Fabric pattern 272..

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		250									
		300									
		350									
		400									
		450									
		500									
		550									
		600									

Note: The maximum width of the outer panels in tracfix systems with vertical panel joints is 35 cm

 = vertical panel joints

(panel width approx. 120 cm)

 = seamless

 = horizontal panel joint(s)

 = not available

AH = unit height

1) = optional

dimensions in cm

Soltis Veozip (not available) Fabric pattern 511..
Fabric width 290 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		200									
		250									
		300									
		350									
		400									
		450									
		500									
		550									
		600									

Soltis Perform 92 Fabric pattern. 92-..
Fabric width 177 cm

		Awning fixture width									
		150	200	250	300	350	400	450	500	550	600
AH	tracfix 1)	150									
		180									
		250									
		300									
		350									
		400									
		450									
		500									
		550									
		600									

Note: The maximum width of the outer panels in tracfix systems with vertical panel joints is 35 cm

= vertical panel joints
(panel width approx. 120 cm)

= seamless
 = horizontal panel joint(s)

= not available

AH = unit height

1) = optional

dimensions in cm

Awning cover	fabric pattern no.	standard	optional
sunvas	300..-315..	✓	—
sunsilk	324.. / 328.. / 369..	✓	—
sunbow	411..-427..	✓	—
smart art	340..	—	✓
perla FR	371.. / 372..	—	✓
perfotex	331.. / 332..	✓	—
transolair	338..	—	✓
transolair (120 cm)	339..	—	✓
vuscreen Alu	317..	—	✓
Soltis Perform 92	92-..	—	✓

shadeplus / drop valance cover ¹⁾	fabric pattern no.	standard	optional	Awning fixture width	height	tailored cloth
sunvas	309.. / 310.. / 311..	✓	—	≤ 500	210	QN
sunsilk	324..	✓	—	≤ 500	210	QN
sunbow	411.. / 414.. / 421.. / 424..	✓	—	≤ 500	210	QN
transolair	338..	—	✓	≤ 500	210	N
transolair (120 cm)	339..	—	✓	≤ 500	210	QN
vuscreen Alu	317..	—	✓	≤ 500	150	N
Soltis Perform 92	92-..	—	✓	≤ 500	210	QN
glass fibre screen Serge 600	272..	—	✓	≤ 500	190	N
perfotex	331.. / 332..	—	—			
perla FR	371.. / 372..	—	—			

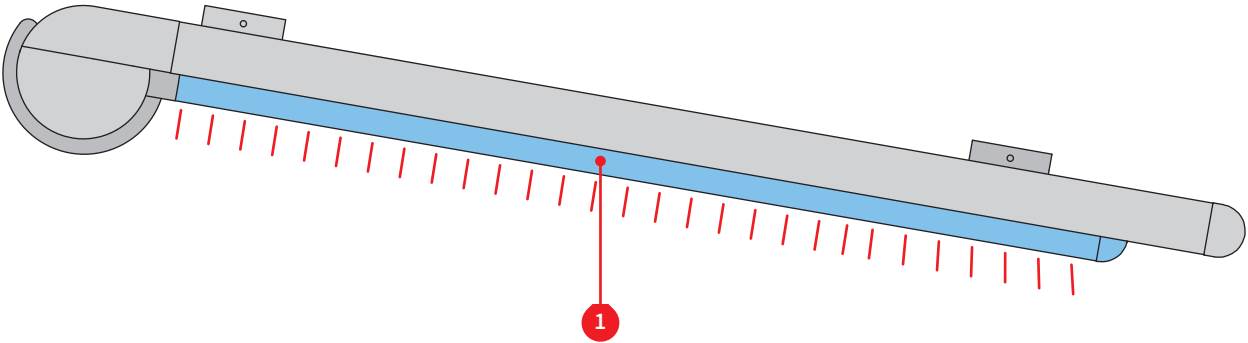
1) Shadeplus cover is narrower than the awning cover

N = seamless

QN = horizontal seam(s)

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

Lighting options



Lighting options

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

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

Controls

radio-controlled dimmer io 868 MHz

zigbee

standard

optional

✓

—

—

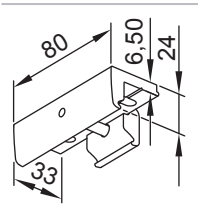
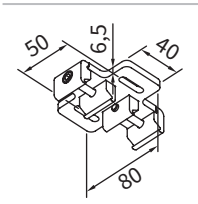
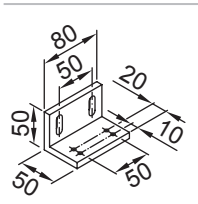
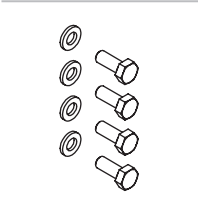
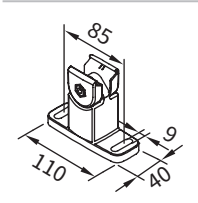
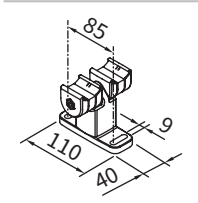
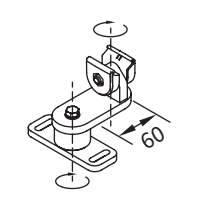
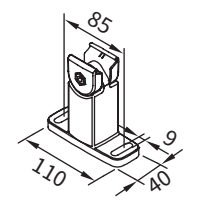
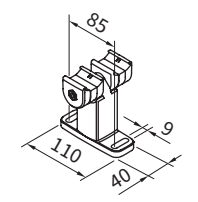
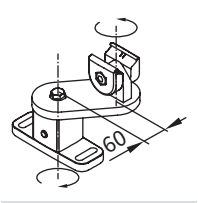
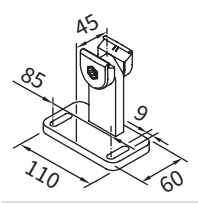
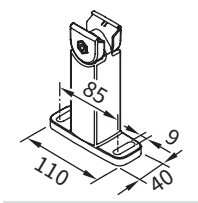
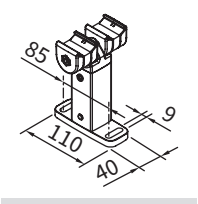
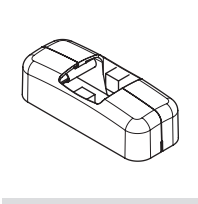
✓

1 LED-Line in the guide rails

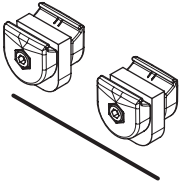
Technical specification

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

Fixtures, fittings and accessories

 flat track bracket fixture type 10 and 15 78548.	 double track bracket plat 2 single units 73627.	 additional angled bracket for the bearing, gearbox and motor sides 50 × 50 × 80 mm fixture type 15 78719.
 accessories for two angled brackets 78719. 787211	 track bracket, with adjustable head 80 mm fixture type 20 73624.	 double track bracket with adjustable head 80 mm central bracket for 2 single units next to each other 73631.
 windmill track bracket 80 mm 73629.	 track bracket, with adjustable head 100 mm 76046.	 double track bracket with adjustable head 100 mm central bracket for 2 single units next to each other 73634.
 windmill track bracket 100 mm 76054.	 track bracket with offset footplate 100 mm 76199.	 track bracket, with adjustable head 140 mm 76048.
 double track bracket with adjustable head 140 mm central bracket for 2 single units next to each other 73636.	 covering cap for square track bracket standard accessory for bracket 2 × 76718.	

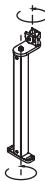
Fixtures, fittings and accessories



sprung bracket with stainless steel cover support wire

included with the delivery

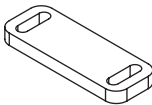
73639. and 771401.



universal track bracket with adjustable head

140–500 mm

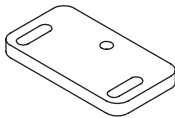
76053.



spacer plate for track bracket

110 × 40 × 10 mm

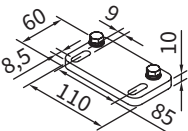
78570.



adapter plate for track bracket

110 × 60 × 10 mm

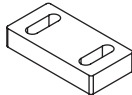
78158.



adapter plate for track bracket

110 × 60 × 10 mm

78165.



spacer plate double track bracket flat

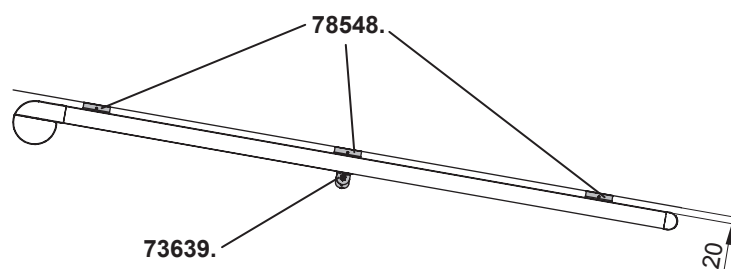
80 × 40 × 15 mm

73742.

Fixture types

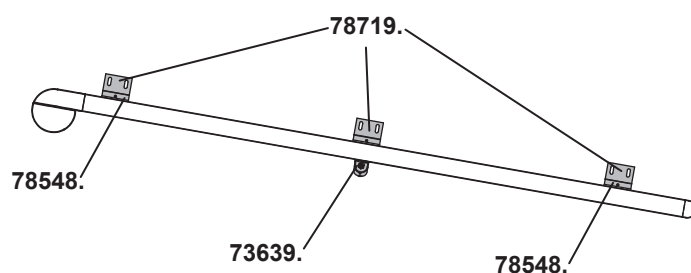
10

Clearance 20 mm



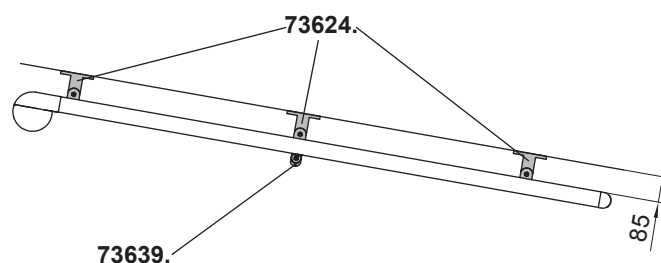
15

By angled bracket
to the side



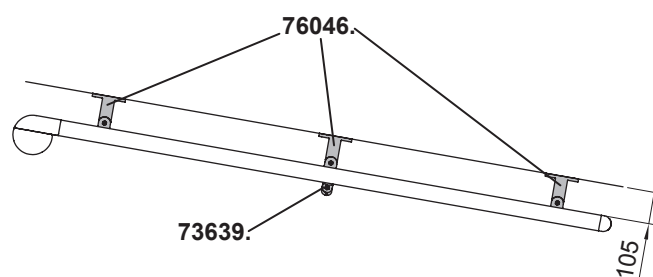
20

Clearance 85 mm



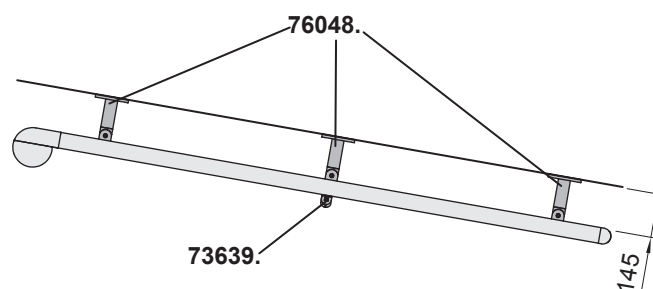
21

Clearance 105 mm



22

Clearance 145 mm



Individual bracket selection:

See "Fixtures, fittings and accessories".

Awning extension > 300 cm, always 3 brackets per guide track.

During extension and retraction the cover may sag.

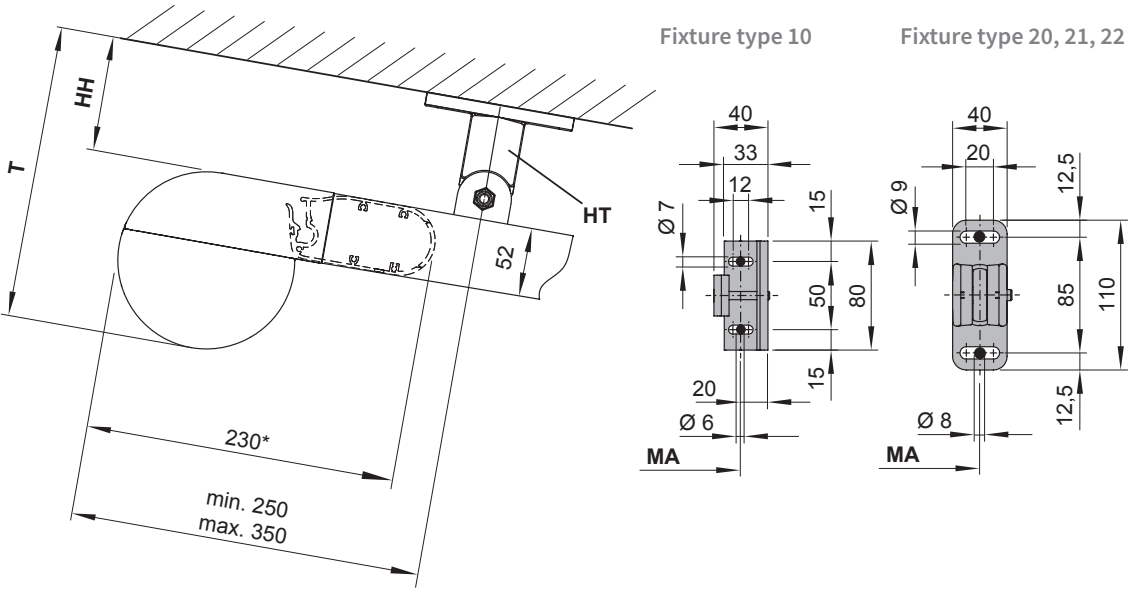
Cover support wires and bracket (73639) are only supplied with the markilux 879 without tracfix.

A bracket should always be placed where these are positioned.

dimensions in mm

Fixture types

Overview of dimensions

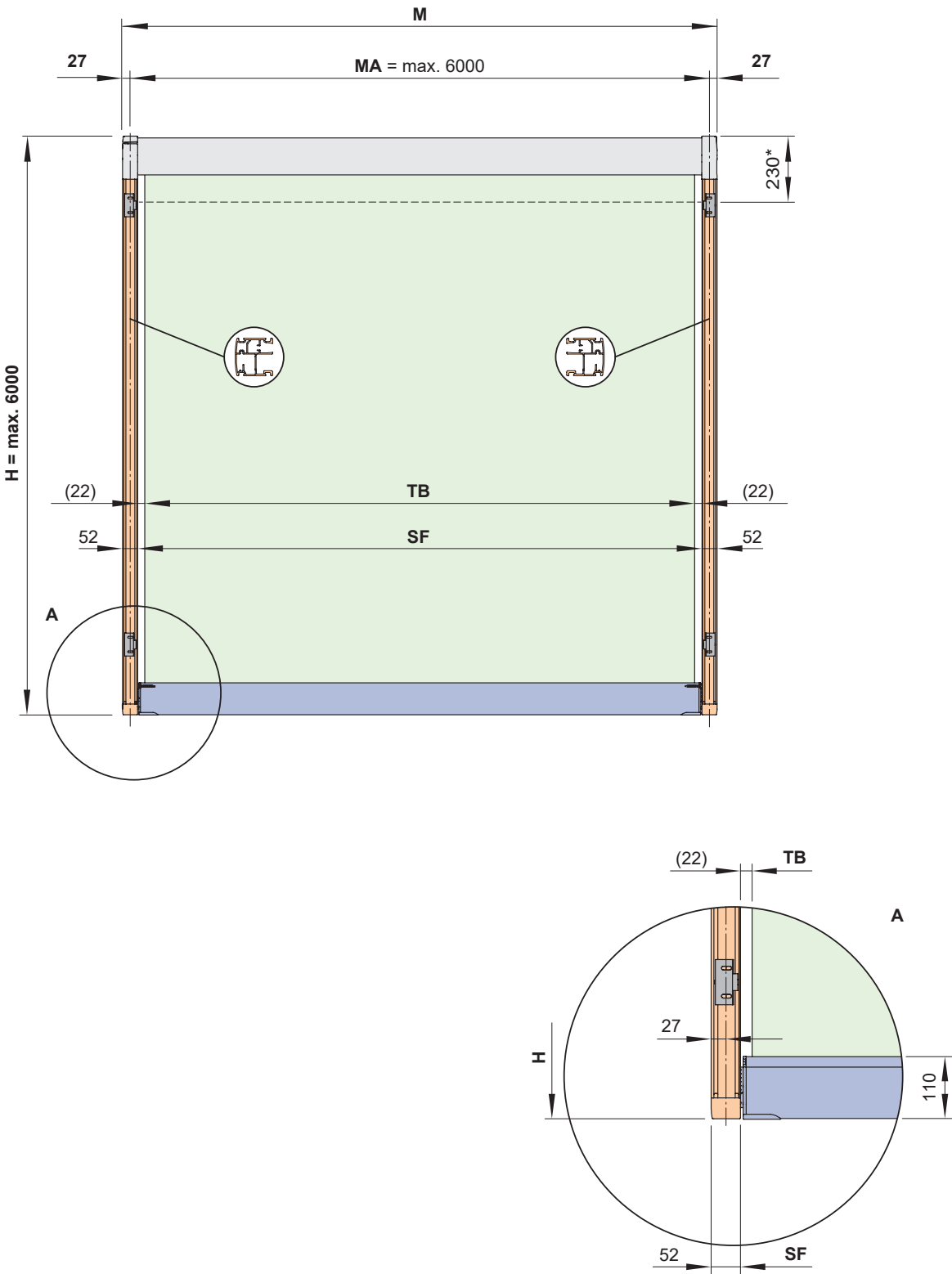


		Fixture type 10	Fixture type 20	Fixture type 21	Fixture type 22
HT	= bracket	78548.	73624.	76046.	76048.
HH	= bracket height	20	85	105	145
T	= depth	150	215	235	275
*	= extension when retracted				
MA	= order dimension = blind fixture width = fixture width				

dimensions in mm

Overview of dimensions

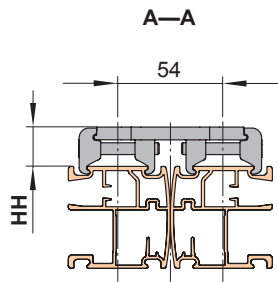
Single unit



- * = extension when retracted
- (...) = gap between cover and guide track (non-tracfix units)
- H = **order dimension** = extension
- M = awning width
- MA = **order dimension**= awning fixture width = fixture width
- SF = visible cover (in tracfix systems)
- TB = cover width (in non-tracfix systems)

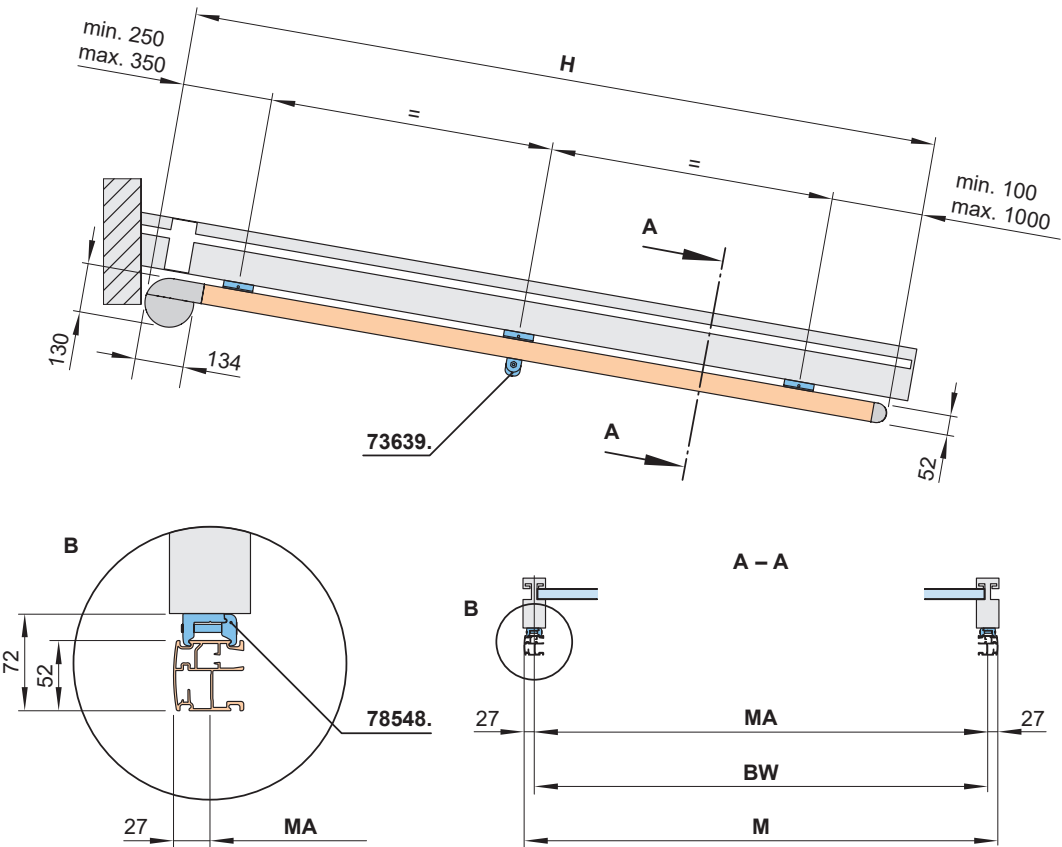
dimensions in mm

Two single units – fixture via double track brackets



dimensions in mm

Dimension overview fixture combination 10



- BW = width between fixture points on the conservatory
- H = **order dimension** = extension
- M = awning width
- MA = **order dimension** = blind fixture width = fixture width

dimensions in mm

01



03

04

05

06

07

08

09

10

11

12

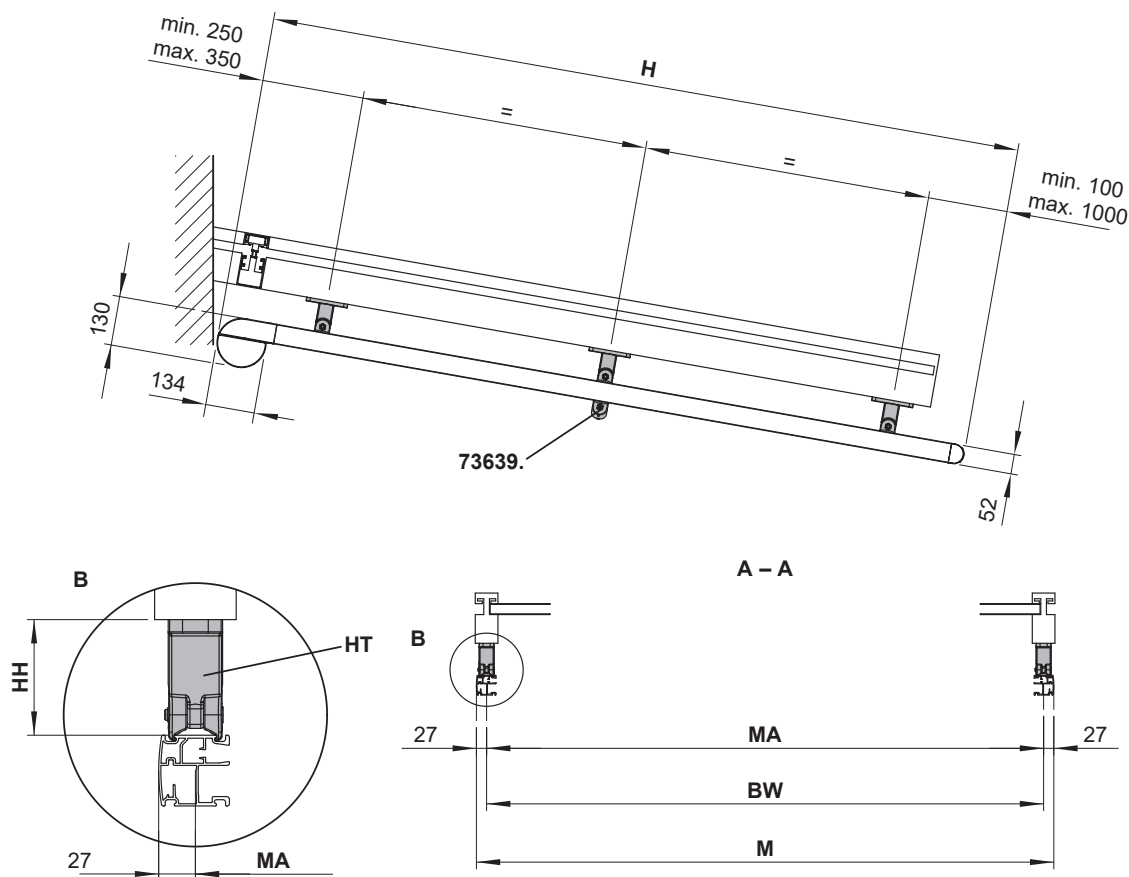
H C

10

10

20

Dimension overview fixture types 20, 21, 22

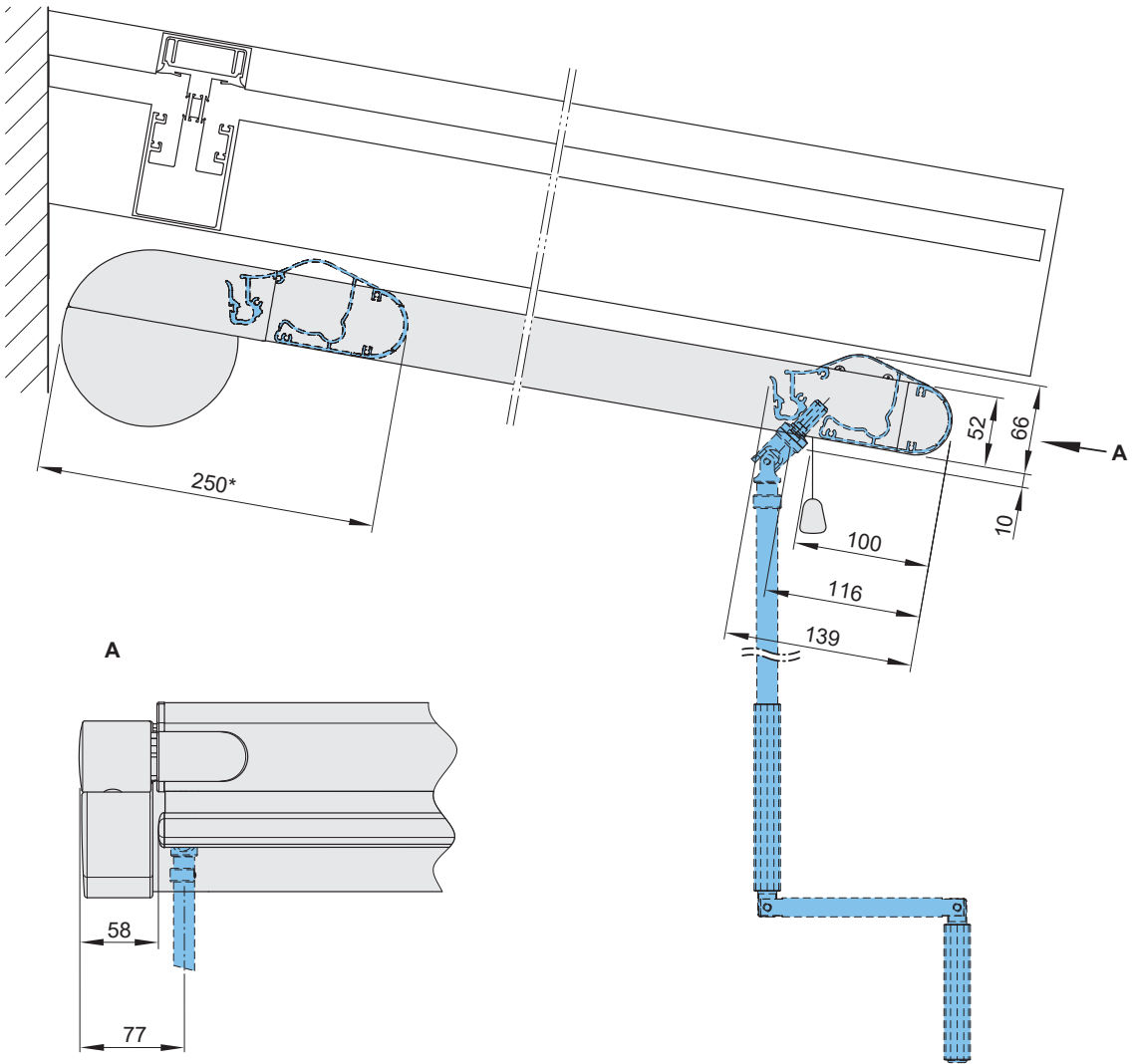


- BW = width between fixture points on the conservatory
- H = **order dimension** = extension
- HH = bracket height (see for fixture types 10, 20, 21 und 22)
- HT = bracket
- M = awning width
- MA = **order dimension** = blind fixture width = fixture width

dimensions in mm

Dimension overview, shadeplus

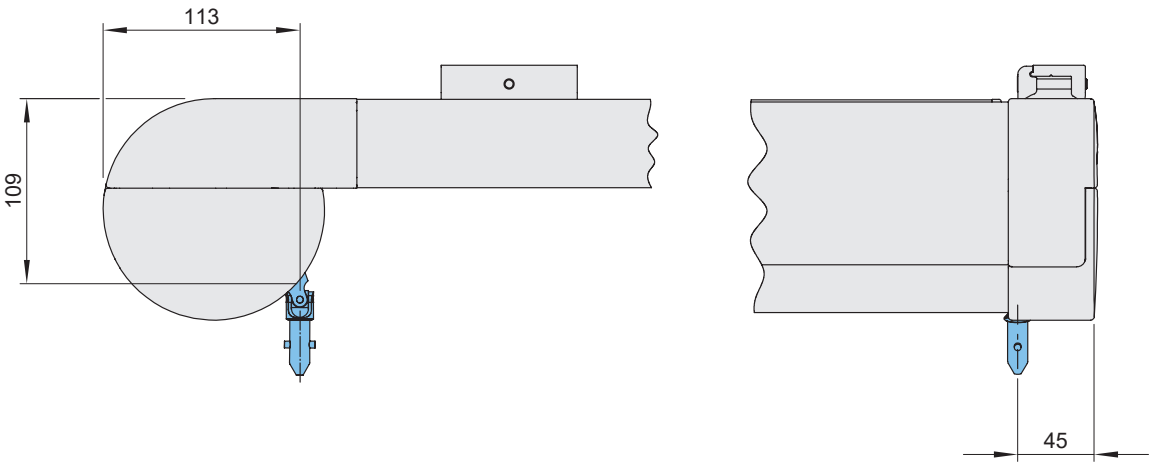
Magnetic gearbox operation



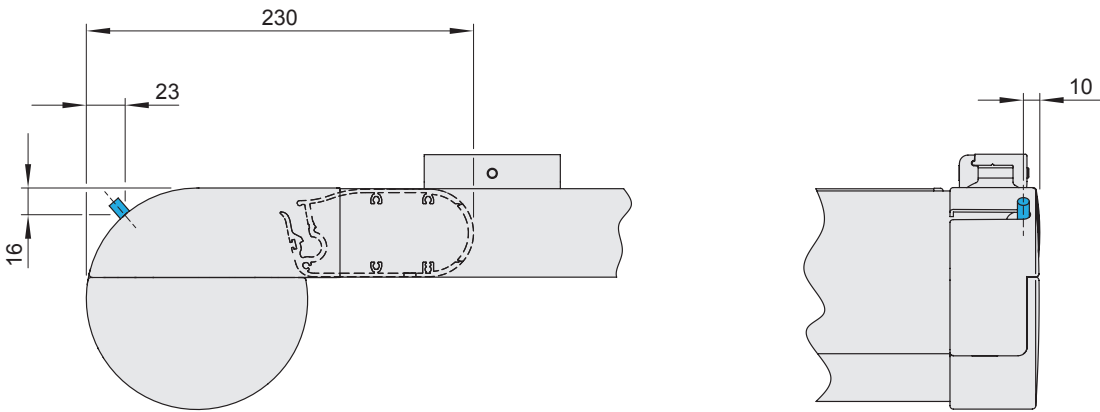
* = extension when retracted

dimensions in mm

Gearbox crank handle position



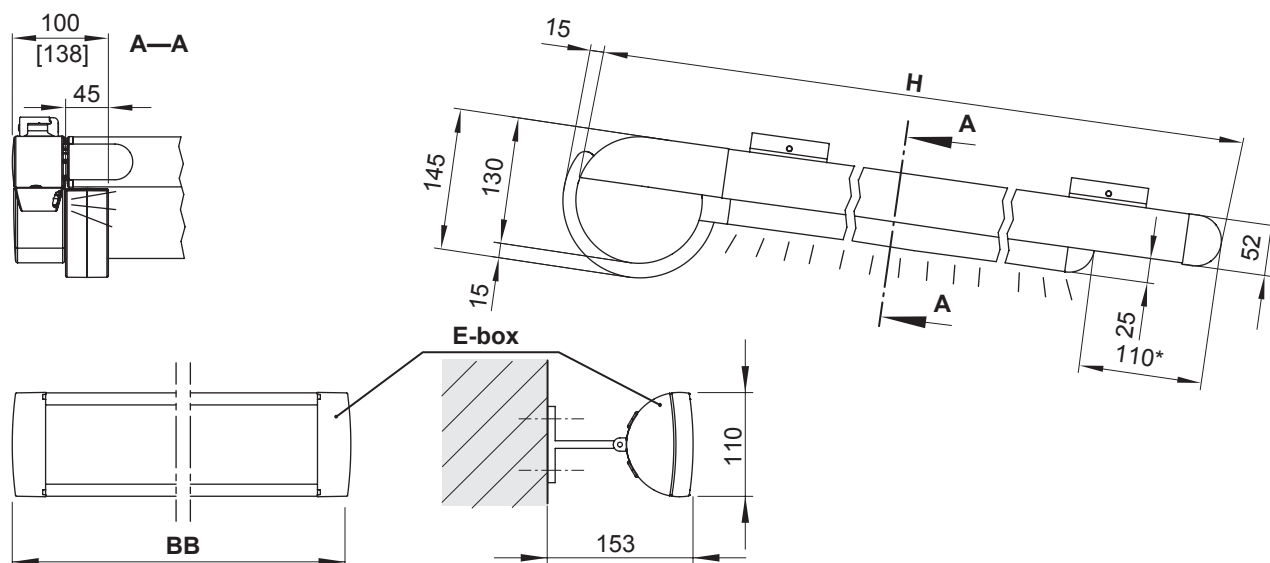
Motor cable exit point



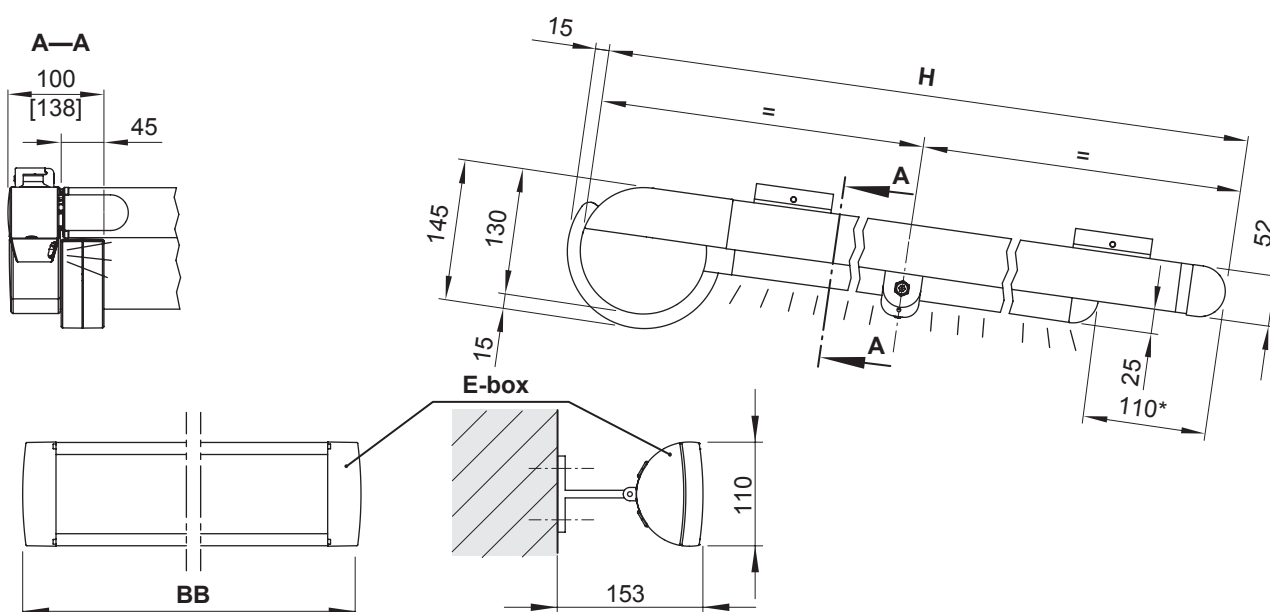
dimensions in mm

Dimension overview with the various lighting options

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



Option 1a (from an extension 401 cm): LED Line RGB-WW in the guide tracks, stainless steel cover support wires, electronic components in an E box



* = 110 mm standard, 36 mm optional

** = cover support wire centred (standard), other positions are possible on request

[...] = for shadeplus and lighting

BB = order width

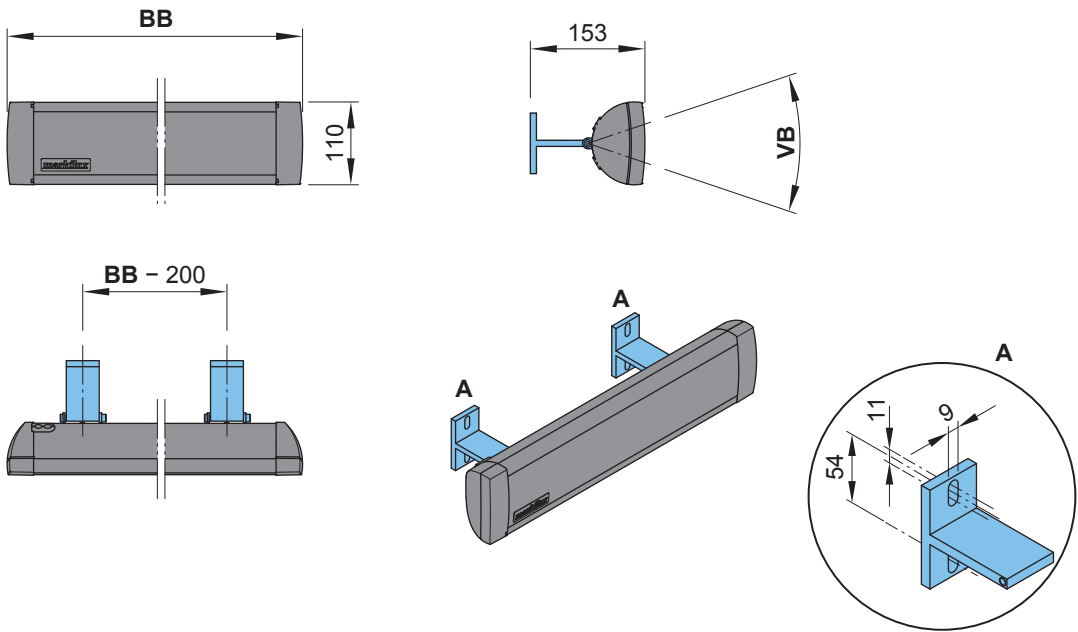
E-box = see "E-box"

H = order dimension = extension

dimensions in mm

E-box

Overview of dimensions



Dimension overview and applications

wireless technology	868 MHz io / Zigbee	
Extension H [cm]	< 330 cm	≥ 330 cm

Lighting options

LED-Line in the guide tracks with or without cover support wire	E-box M 71850. BB = 500 mm
---	----------------------------------

for independent use

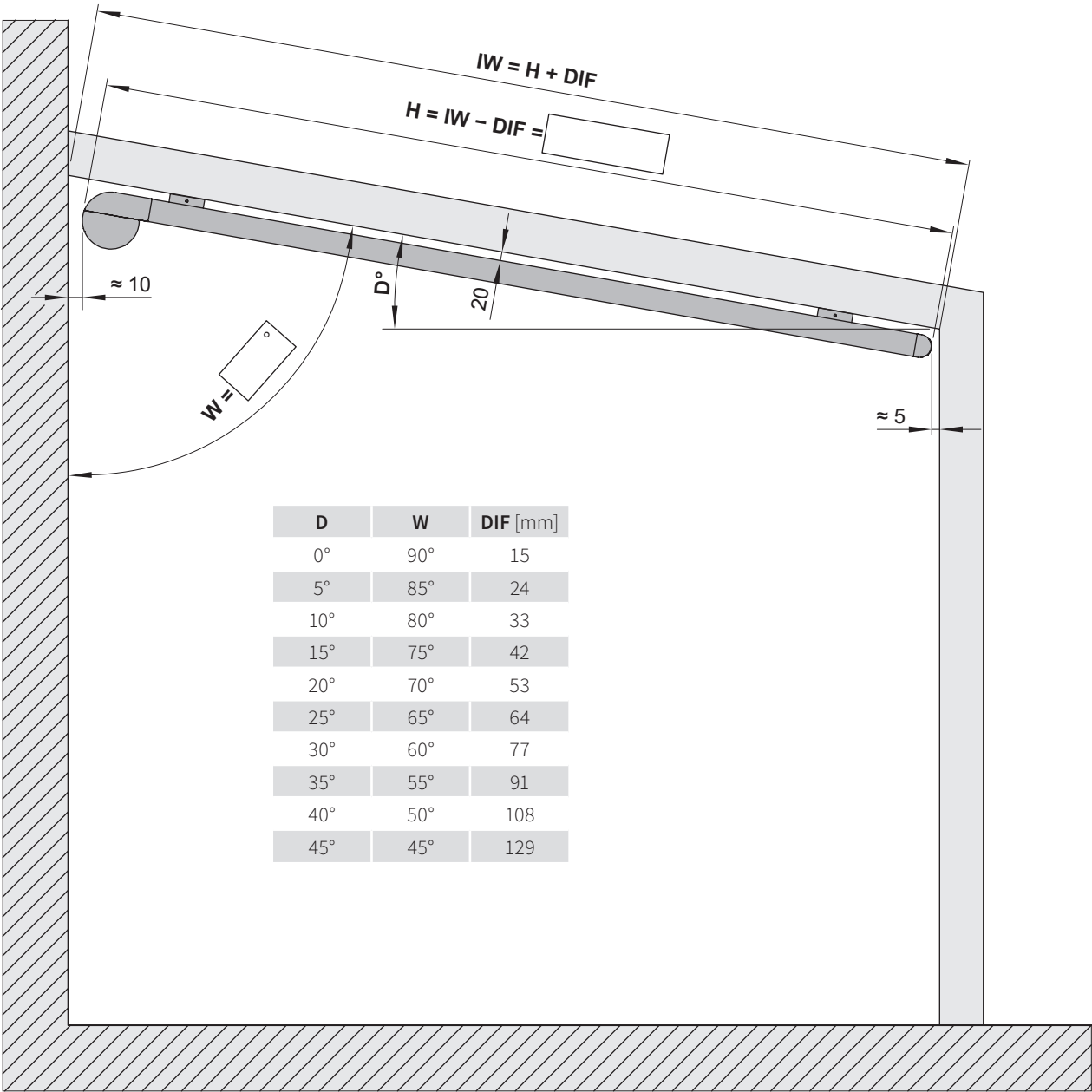
E-box I
71851.
BB = to order

BB = order width
VB = adjustment range

dimensions in mm

Dimensions for taking measurements

Awning without lighting



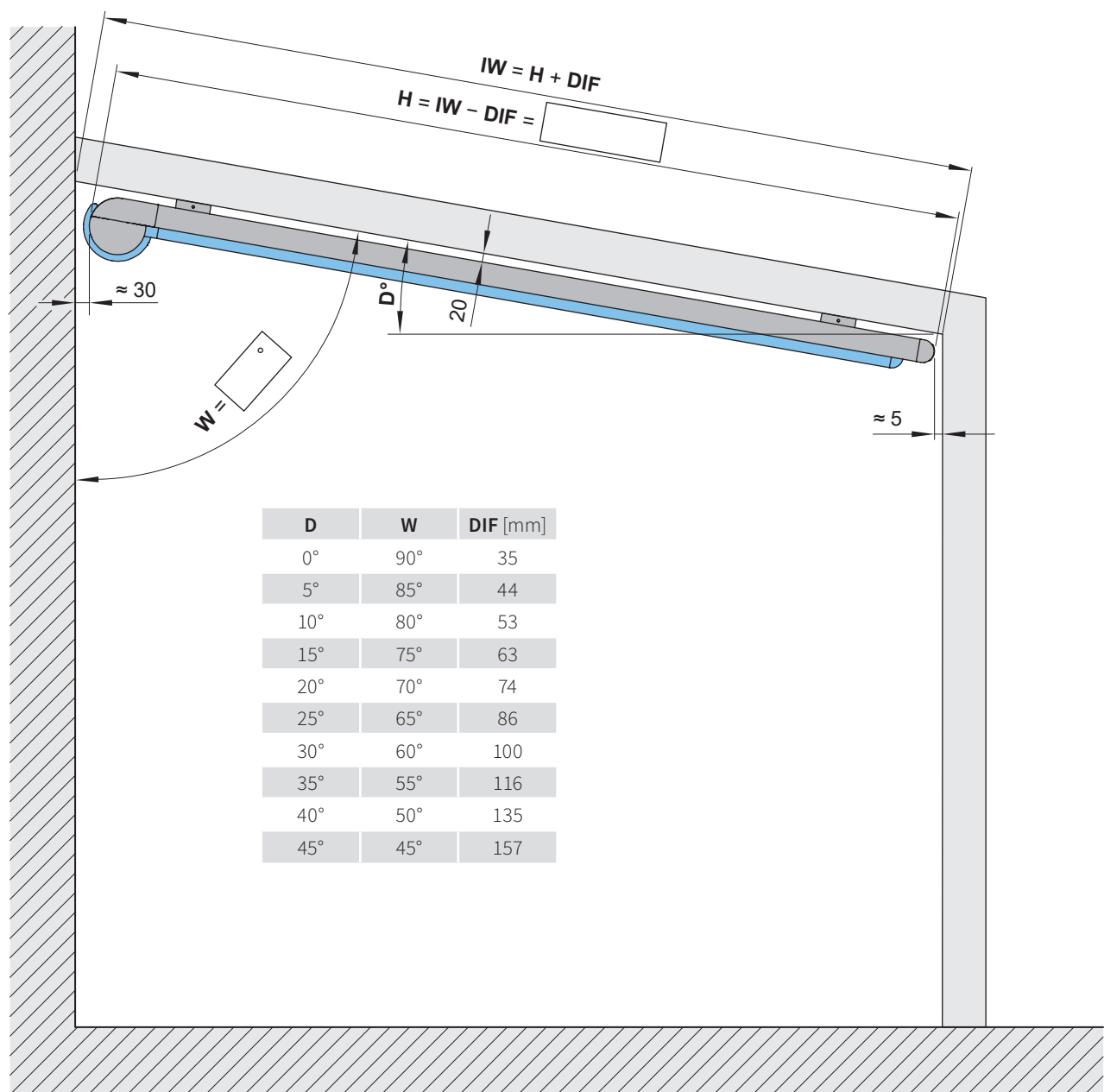
Orders are to be submitted with all the dimensions shown in the diagram!

- D = roof pitch (in °)
- DIF = difference interior conservatory measurement to extension H
- H = **order dimension** = nominal extension = $IW - DIF$ (see table)
- IW = interior conservatory dimension
- W = awning pitch (in °)

dimensions in mm

Dimensions for taking measurements

Awning with lighting



Orders are to be submitted with all the dimensions shown in the diagram!

- D** = roof pitch (in °)
- DIF** = difference interior conservatory measurement to extension H
- H** = **order dimension** = nominal extension = $IW - DIF$ (see table)
- IW** = interior conservatory dimension
- W** = awning pitch (in °)

dimensions in mm

- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20