



Cassette awning

markilux MX-3

The sturdy cassette awning with a slender figure and contrasting visual features from round to square.

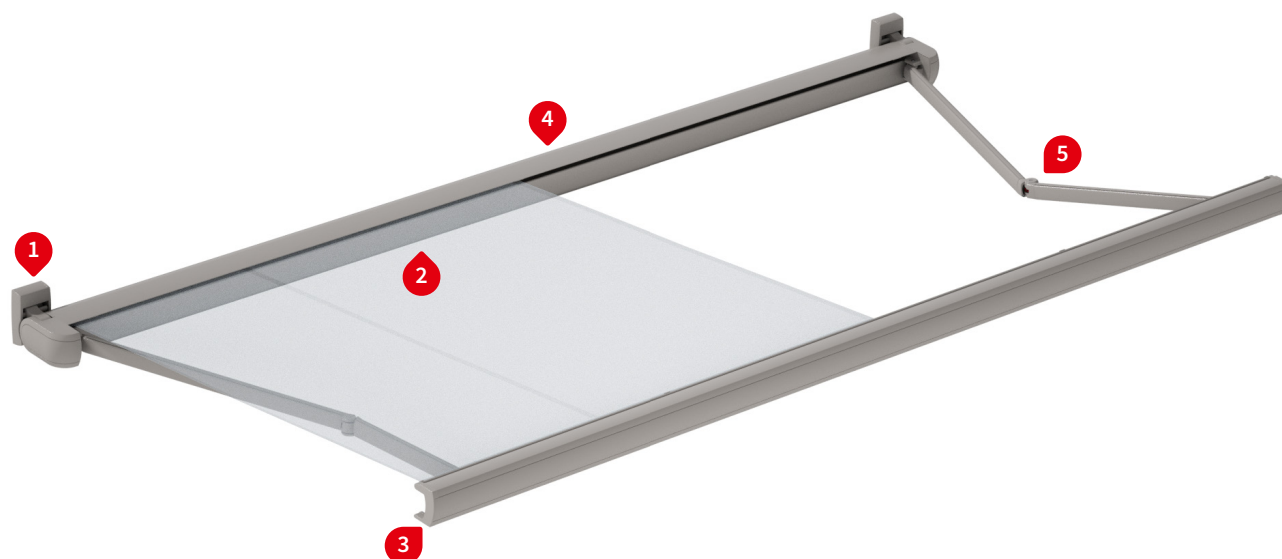


[markilux.com](https://www.markilux.com)

markilux
safe timeless beautiful

Product characteristics

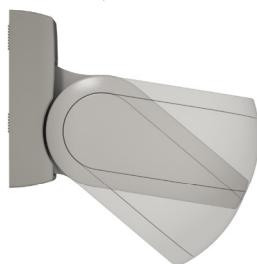
Wind resistance class 2
Beaufort 5 → 7.5–10.4 m/s → 28–37 km/h → 17–23 mph



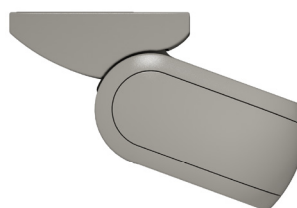
1 face fixture



1 face fixture, maximum pitch of 35°



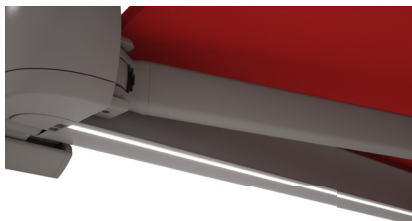
1 top fixture



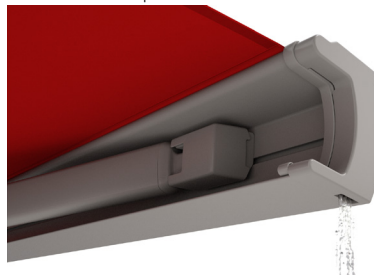
1 top fixture, view from the rear



2 LED-Line in the cassette ¹⁾



3 unique water drainage system in the front profile



4 wall sealing profile ¹⁾



5 bionic tendon made of high-tech fibres for optimum power transference



1) Optional accessories

Product characteristics

Description

- a slender, folding-arm full cassette awning exhibiting excellent technological features, which enables areas up to 6 m wide to be shaded.

Special features

- self-supporting cassette profile with the brackets installed at each end of the awning – therefore suitable for bridging larger distances
- Cassette with arms situated at the front and at each end, which – when the awning is closed – are encompassed fully by the front profile lending a harmonious overall appearance to the awning
- the cassette obscures the view of the roller tube when the awning is extended
- option of directional LED Line RGB-WW fitted to the underside of the cassette which provides an appealing atmosphere in the evening
- individual combination of awning colour and screen profile colour possible
- the brackets are hidden unobtrusively behind the awning

Dimensions

- cassette in the standard version: depth 230 mm, height 120 mm
- single unit: minimum width 183 cm with smallest projection 150 cm, maximum width 500 cm with greatest projection 350 cm or 600 cm x projection 300 cm

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 arm bearer is made of die-cast aluminium, powder coated, with integrated, infinitely variable pitch setting mechanism

Blind profiles

- extruded aluminium, in façade quality, powder coated
- two-piece cassette with clever inner profile – providing the awning cover with optimum protection against the elements
- the lower cassette profile has a slot into which the LED Line can be recessed
- front profile, harmoniously rounded at the front with integrated gutter

Folding arms

- Profiles in extruded aluminium, in façade quality, powder coated
- Moving parts made of drop-forged aluminium – the arms are therefore extremely fracture resistant
- Pivot bolts in stainless steel run in Teflon-coated bronze bushes - practically maintenance free, virtually silent and extremely hard wearing
- power transference via the innovative bionic tendon at the elbow joint, made of high tensile, high-tech fibres – low in friction, noiseless, insensitive to corrosion and UV resistant

Side caps

- the end cap insert sections are made of high-quality plastic, powder coated or in a polished chrome finish
- the front profile end caps are made of high-quality plastic, powder coated, with water drainage holes

Fixture brackets

- face fixture, top fixture, eaves fixture
- extruded aluminium, powder coated
- also available in individual widths (on request)
- including caps made of high quality plastic to cover the face or top fixture brackets and their fixture bolts
- pitch range 5°–35° (face fixture), or 5°–70° (top or eaves fixture)
- spacer plates, stand-off brackets and other accessories are available

01 **Frame, end cap insert and styling panel colours**

02 **markilux frame colours without surcharge**

03 traffic white, RAL 9016



metallic aluminium, RAL 9006



grey brown, similar to RAL 8019



06 off-white textured finish, 5233 ¹⁾



stone grey metallic, 5215 ¹⁾



anthracite metallic, 5204 ¹⁾



10 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

Combination options

All standard styling panel colours can be combined at will with the standard frame colours ²⁾

Frame stone grey metallic 5215
Styling panel / end cap insert anthracite metallic 5204



Frame off-white textured finish, 5233
Styling panel / end cap insert anthracite metallic, 5204



Frame traffic white, RAL 9016
Styling panel / end cap insert metallic aluminium, RAL 9006



Frame anthracite metallic 5204
Styling panel / end cap insert stone grey metallic 5215



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

2) Illustrations by way of example; The styling panel and end cap insert colours must be the same colour.

Additional front panel colours

The additional styling panel colours can be combined at will with all the standard frame colours ¹⁾

light ivory RAL 1015 matt

new champagne 5062 matt



golden yellow RAL 1004 matt

deep orange RAL 2011 matt



crimson RAL 3002 matt

pale green RAL 6021 matt



steel blue RAL 5011 matt

jet black RAL 9005 matt



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

¹⁾ Illustrations by way of example; fabric pattern with matching front panel.

Dimensions and configuration options

Single unit

		Awning width							Minimum width		
		250	300	350	400	450	500	550	600	Motor	Crank handle
Order dimensions		183	251	301	351	401	451	501	551		
		250	300	350	400	450	500	550	600		
H	150	1)								191	183
	200	1)								233	233
	250	—	1)							283	283
	300	—	—	1)						333	333
	350	—	—	—	1)			—	—	383	383

dimensions in cm

1) = please note the minimum widths!

H = projection

 = 2 folding arms,
2 brackets

 = 2 standard arms

Operation

	standard	optional
crank handle	✓	—
spring-assisted crank handle	—	✓
hard-wired motor	—	✓
silentec motor (optionally with external radio receiver io / RTS)	—	—
radio-controlled motor io, 868 MHz	—	✓
radio-controlled motor RTS, 433 MHz	—	✓
868 MHz radio-controlled motor io with manual override	—	—

Coupled awnings

not available

Awning cover

	fabric pattern no.	standard	optional
sunvas	300.. - 315..	✓	—
sunsilk	324.. / 328.. / 369..	✓	—
sunbow ¹⁾	411.. - 427..	✓	—
smart art	340..	—	✓
perla FR	371.. / 372..	—	✓

1) up to max. 300 cm projection available

Shadeplus

not available

Optional accessories

LED-Line RGB-WW in the cassette
wall sealing profile, up to a pitch of 35°
infrared heater 2500 W
infrared heater 2500 W with integrated radio-controlled receiver 868 MHz radio-controlled io
Automatic controls (light, wind, rain)

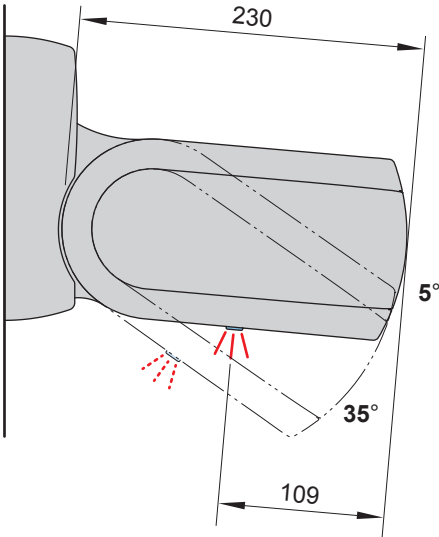
N.B. Important background information can be found in the chapter “Optional Accessories”.

Fixture options

face fixture bracket with cover, left 100 mm	75885.
face fixture bracket with cover, right 100 mm	75886.
face fixture bracket left, 300 mm	75877.
face fixture bracket right, 300 mm	75878.
spreader plate A 430 × 160 × 12 mm	73466.
spreader plate B 300 × 400 × 12 mm	73465.
markilux panel 250 × 230 × 49 mm	76308.
markilux panel continuous	701104
vertical fixture rail	62421.
stand-off bracket 80–300 mm for face fixture bracket 100 mm	72872.
stand-off bracket for 300 mm face fixture brackets	77968.
top fixture bracket with cover, left 100 mm	75887.
top fixture bracket with cover, right 100 mm	75888.
eaves fixture bracket 150 mm plate	75889.
eaves fixture bracket 90 mm plate, 270 mm plate	71659.
flat plate and angled bracket for eaves fixture, machine finish aluminium, 500 mm	741290
spreader plate 260 × 60 × 12 mm for eaves fixture bracket	75383.

Lighting options

LED-Line in the cassette



Technical specification

Operating voltage	230 V, 50 Hz
power output per metre	11 W / metre
number of LEDs per metre	144 LEDs/ metre
Light source	LED (24 V)
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

Controls

	standard	optional
radio-controlled io (868 MHz)	✓	—
Zigbee	—	✓

Electrical connection

power supply cable with open end H05RN-F 3G1 (3 × 1 mm²)
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dimensions in mm

No. of brackets | No. of fixing points

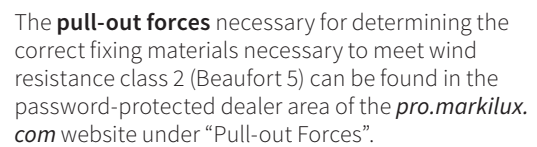
		Overall awning width							
		250	300	350	400	450	500	550	600
Order dimensions		183	251	301	351	401	451	501	551
		250	300	350	400	450	500	550	600
BHT		No. of brackets No. of fixing points							
W	10	2 6							
BP		A 2 16 B 2 8							
PA		2 8							
DA / DE	10	2 8							

dimensions in cm

The **pull-out forces** necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the *pro.markilux.com* website under “Pull-out Forces”.

- BHT = bracket width
- BP = spreader plate (A or B)
- DA = eaves fixture brackets
- DE = top fixture brackets
- PA = markilux panel, fixture profile, width 250 mm
- W = face fixture brackets

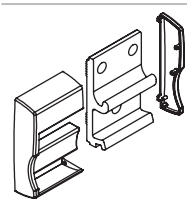
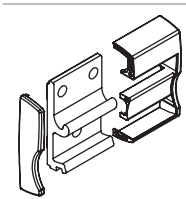
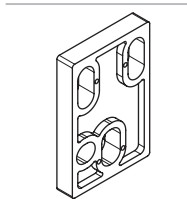
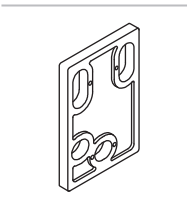
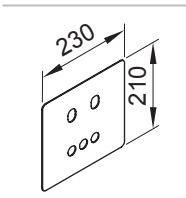
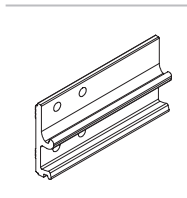
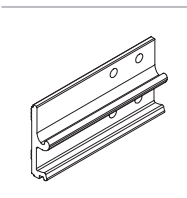
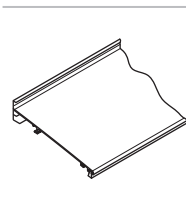
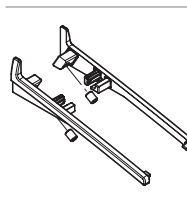
Face and top fixture

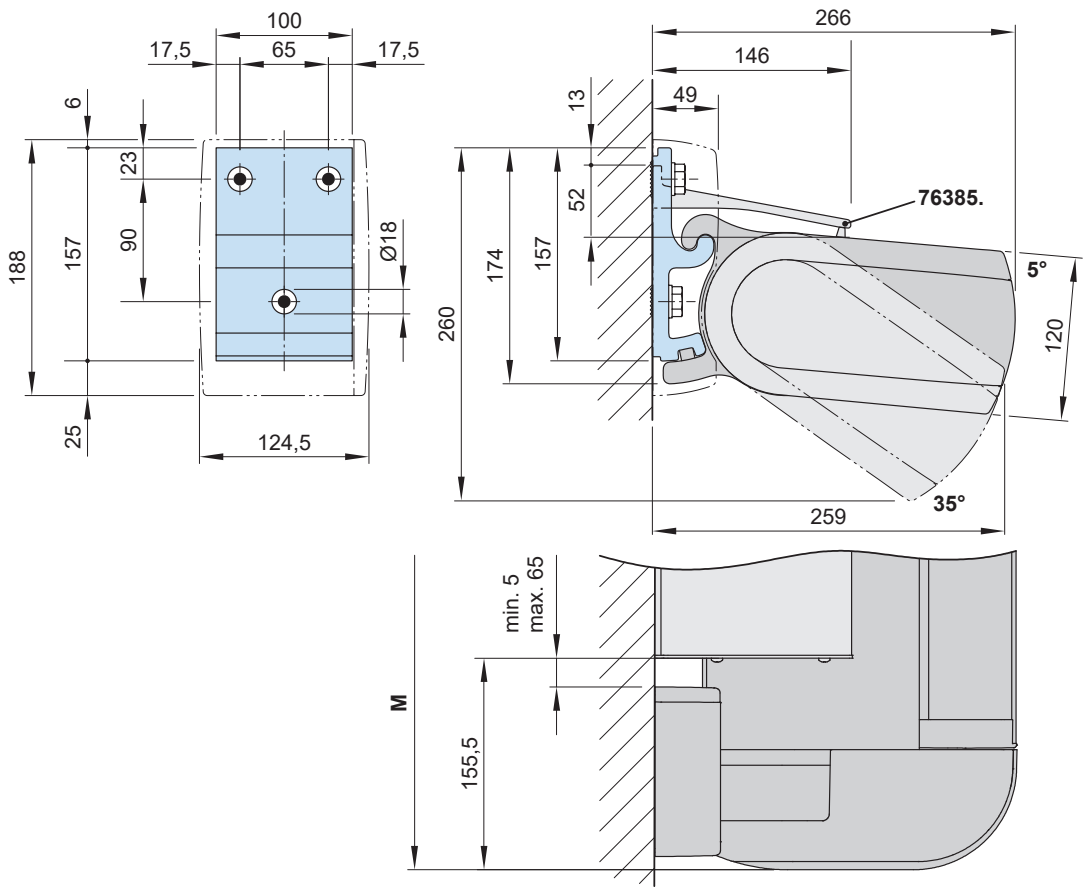
[illegible]

- dimensions in mm

Face fixture

Fixtures, fittings and accessories

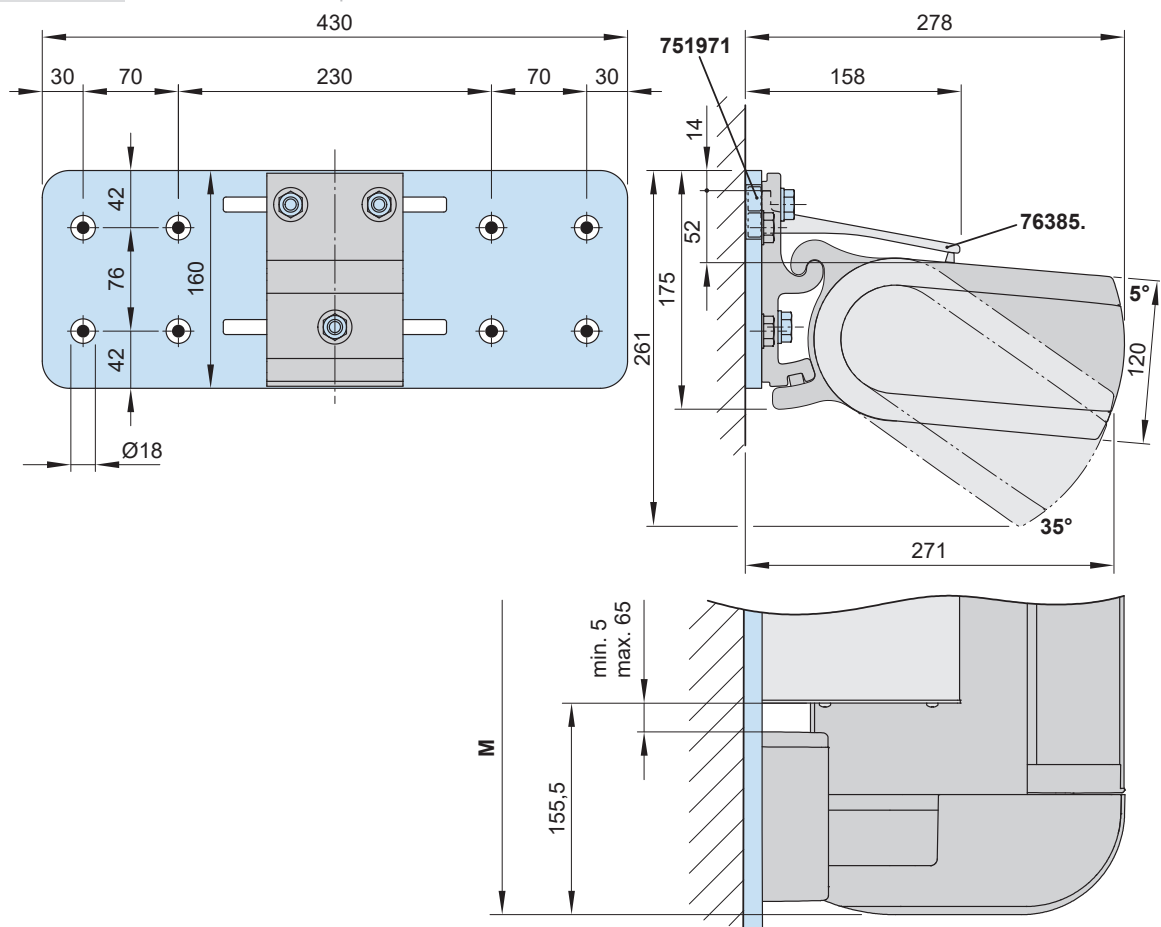
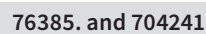
 face fixture bracket cover cap left 100 mm 75885.	 face fixture bracket cover cap right 100 mm 75886.	 spacer plate 100x 150 x 20 mm; black N.B! stack to a max. height of 200 mm 758831
 spacer plate 100 x 150 x 12 mm 758841	 cover plate for spacer plate and stand-off brackets in the case of external insulation 230 x 210 x 2 mm 71843.	 face fixture bracket left 300 mm 75877.
 face fixture bracket right 300 mm 75878.	 wall sealing profile incl. brush seal by the metre 76385. and 704241	 side cover wall sealing profile left and right 60919. and 60920.



76385. = wall sealing profile (standard width = awning width (M) – 311 mm; up to a maximum awning pitch of 35°)
M = order width = awning width

dimensions in mm

Fixtures, fittings and accessories

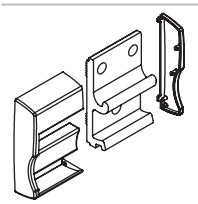
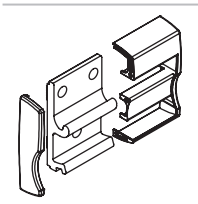
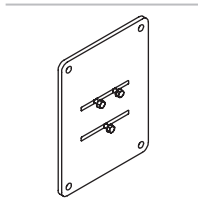
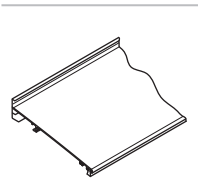
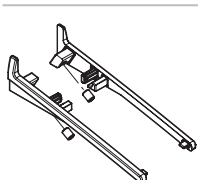
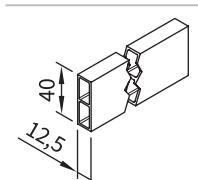


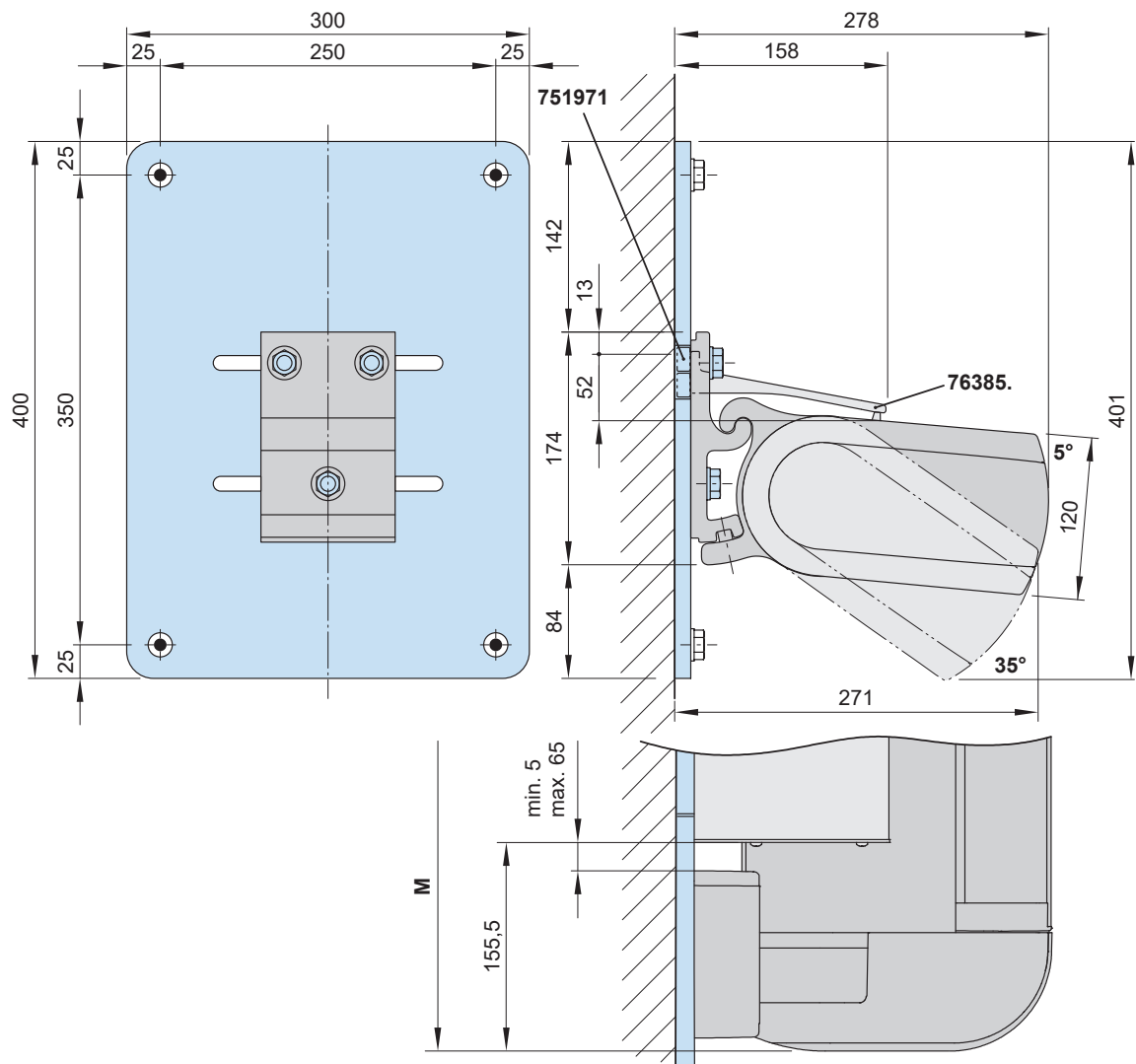
M = **order width** = awning width

dimensions in mm

Face fixture with spreader plate B

Fixtures, fittings and accessories

 face fixture bracket cover cap left 100 mm 75885.	 face fixture bracket cover cap right 100 mm 75886.	 spreader plate B 300 × 400 × 12 mm 73465.
 wall sealing profile incl. brush seal by the metre 76385. and 704241	 side cover wall sealing profile left and right 60919. and 60920.	 stand-off strip for wall sealing by the metre 751971

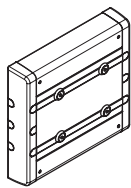


- 751971 = stand-off strip for wall sealing profile
- 76385. = wall sealing profile (standard width = awning width (M) – 311 mm; up to a maximum awning pitch of 35°)
- M = order width = awning width

dimensions in mm

Face fixture using the markilux panel 250 mm wide

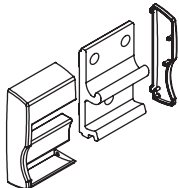
Fixtures, fittings and accessories



markilux panel
250 × 230 × 49 mm

with decorative profiles
and end caps

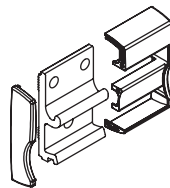
76308.



face fixture bracket
cover cap
left

100 mm

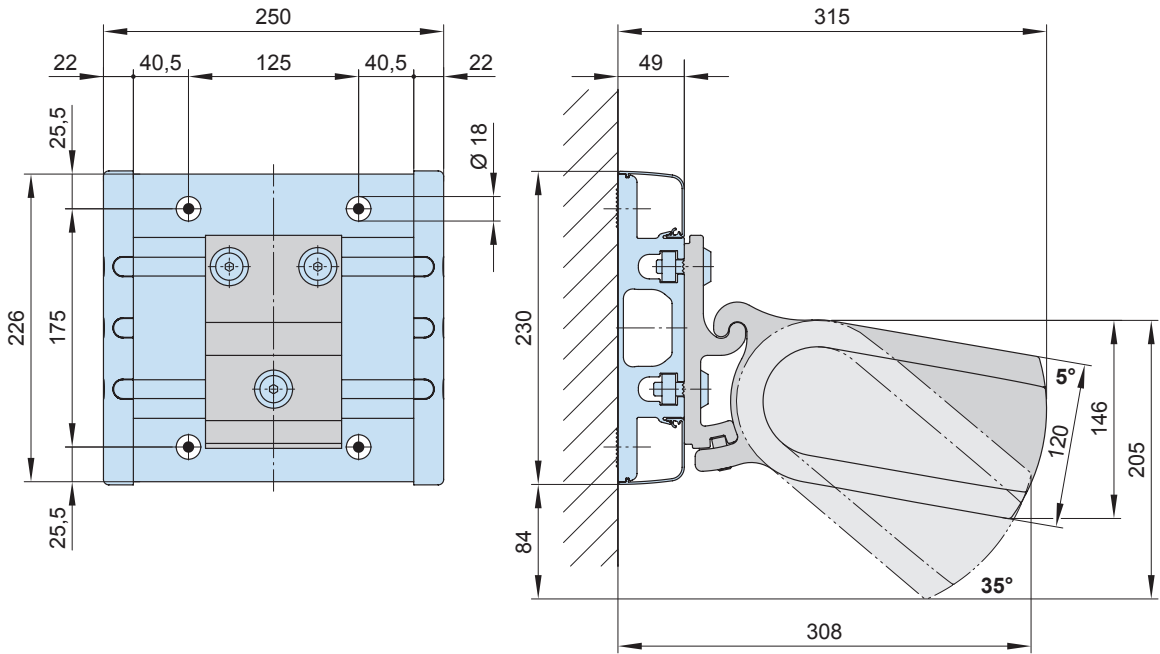
75885.



face fixture bracket
cover cap
right

100 mm

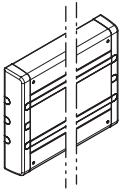
75886.



dimensions in mm

Face fixture with markilux panel continuous

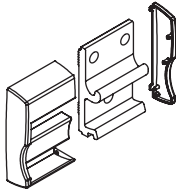
Fixtures, fittings and accessories



markilux panel continuous

with decorative profiles and end caps

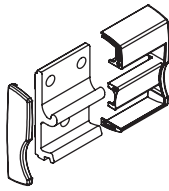
701104



face fixture bracket cover cap left

100 mm

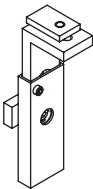
75885.



face fixture bracket cover cap right

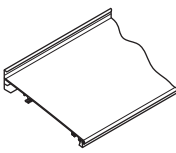
100 mm

75886.



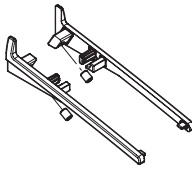
bracket wall sealing profile small

76468.



wall sealing profile incl. brush seal by the metre

76385. and 704241

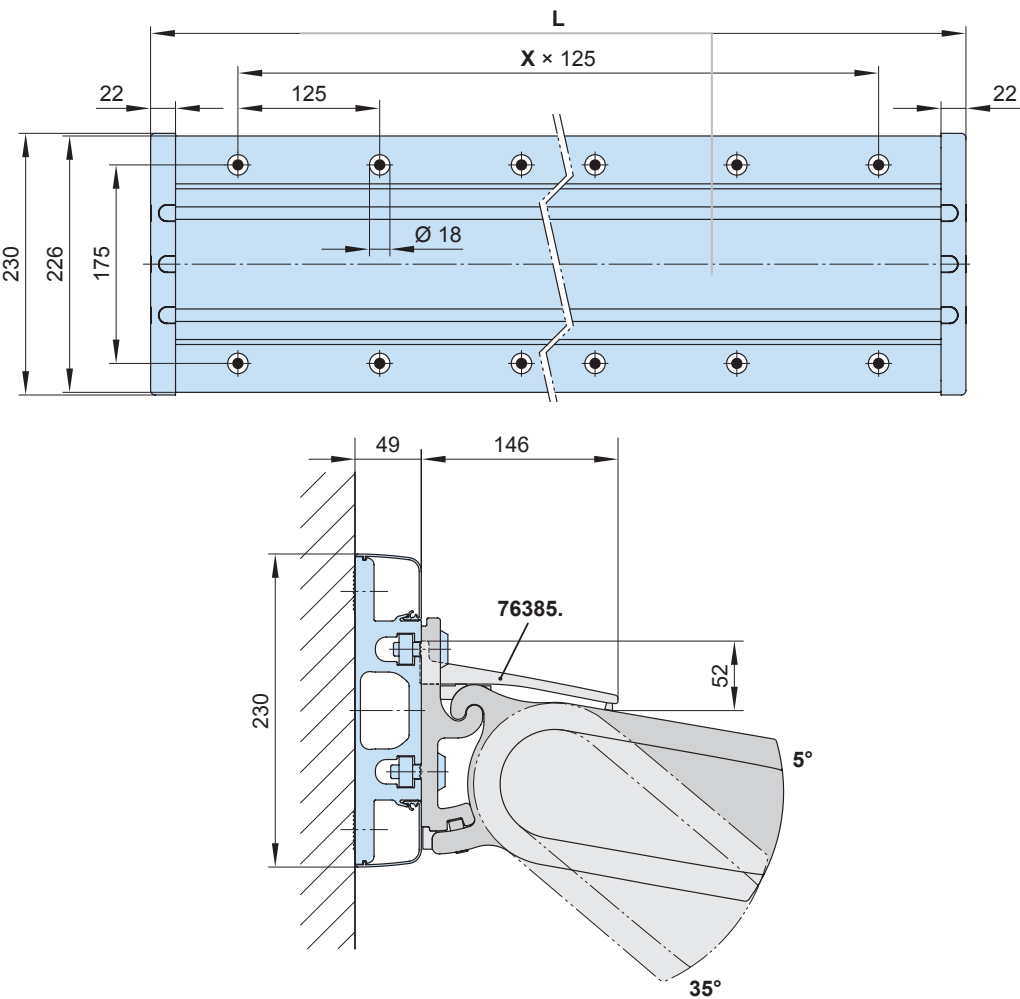


side cover wall sealing profile left and right

60919. and 60920.

As a **continuous fixture profile**, the markilux panel will always be supplied to order on the basis of a technical drawing prepared in the factory in accordance with the awning specification.

The technical drawing shows the fixture points and pull-out forces and must be approved in writing.

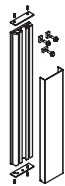


- 76385. = wall sealing profile (standard width = awning width (M) – 311 mm; up to a maximum awning pitch of 35°)
- L = individual width, max. 7000 mm, (standard L = M + 20 mm)
- X = number of distances between the spots (depends on size)

dimensions in mm

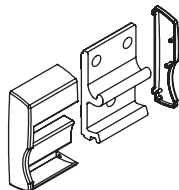
Face fixture with vertical fixture rail

Fixtures, fittings and accessories



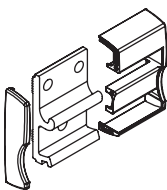
vertical fixture rail
incl. fixing material
624291

62421.



face fixture bracket
cover cap
left
100 mm

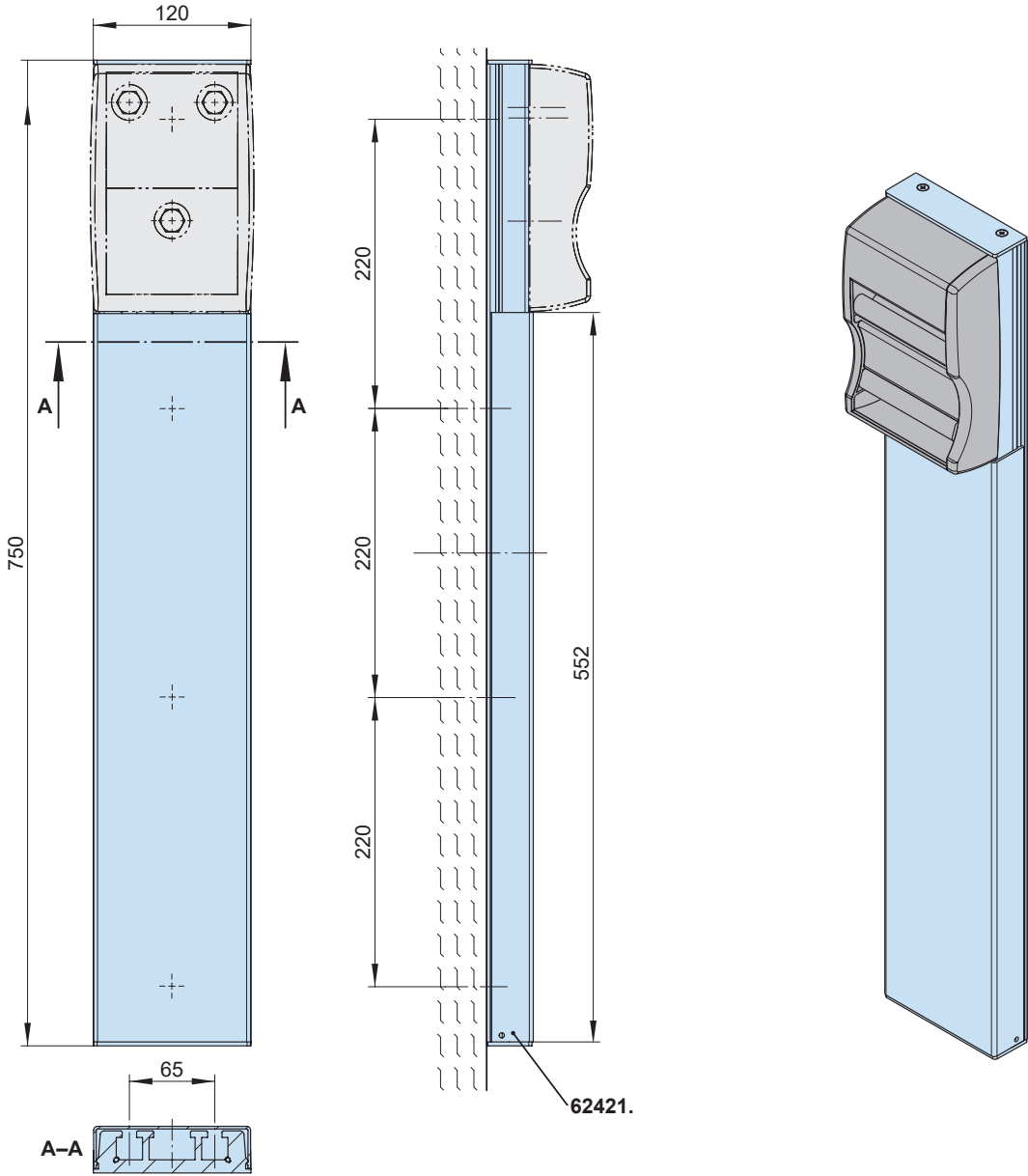
75885.



face fixture bracket
cover cap
right
100 mm

75886.

Note: The fixture rail has to be installed with all four of the provided fixtures. The top fixture point has to be exactly behind the awning fixture bracket. The pull-out forces as listed in the separate documentation at pro.markilux.com must be observed!

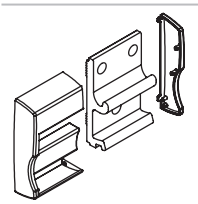
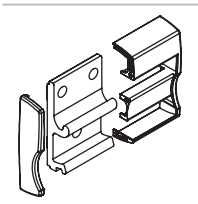
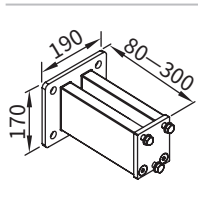
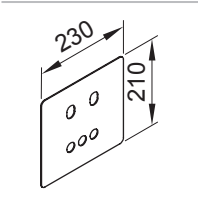
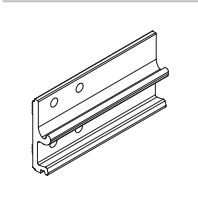
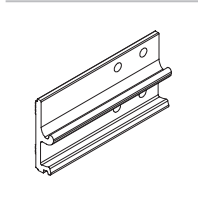
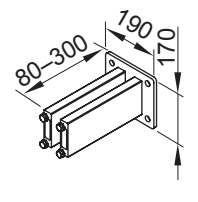
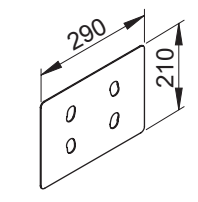
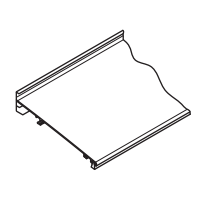
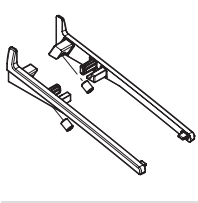
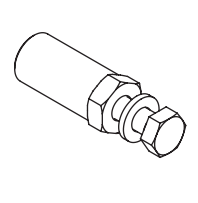


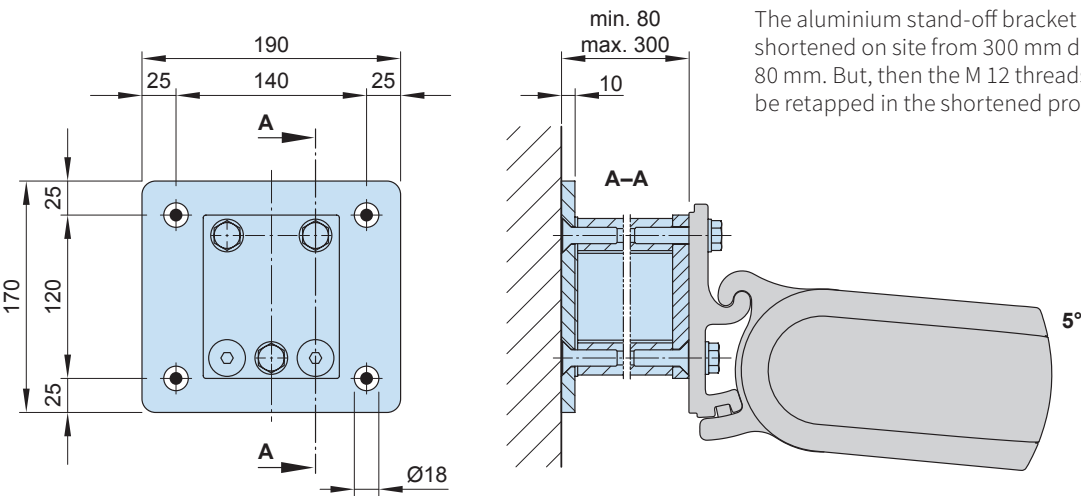
62421. = vertical fixture rail

dimensions in mm

Face fixture with stand-off bracket

Fixtures, fittings and accessories

 face fixture bracket cover cap left 100 mm 75885.	 face fixture bracket cover cap right 100 mm 75886.	 stand-off bracket 80-300 mm for face fixture bracket 100 mm incl. insulating element 72872.
 cover plate for spacer plate and stand-off brackets in the case of external insulation 230 x 210 x 2 mm 71843.	 face fixture bracket left 300 mm 75877.	 face fixture bracket right 300 mm 75878.
 Stand-off bracket for face fixture bracket 75877. and 75878. 80-300 mm incl. insulating element 77968.	 cover plate for spacer plate and stand-off brackets in the case of external insulation 290 x 210 x 2 mm 71841.	 wall sealing profile incl. brush seal by the metre 76385. and 704241
 side cover wall sealing profile left and right 60919. and 60920.	 reduction bolt pack 10 pcs M 16 → M 12 M 16 → M 10 M 12 → M 10 M 10 → M 10	

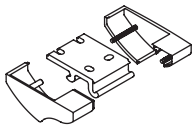


The aluminium stand-off bracket can be shortened on site from 300 mm down to 80 mm. But, then the M 12 threads must be retapped in the shortened profiles.

dimensions in mm

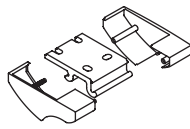
Top fixture

Fixtures, fittings and accessories



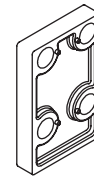
top fixture bracket
cover cap
left
100 mm

75887.



top fixture bracket
cover cap
right
100 mm

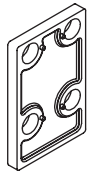
75888.



spacer plate for top
fixture
90x 140 x 20 mm; black

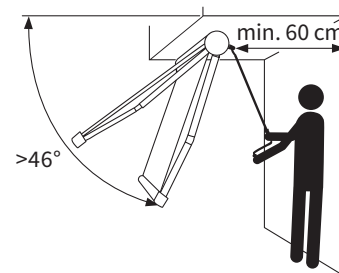
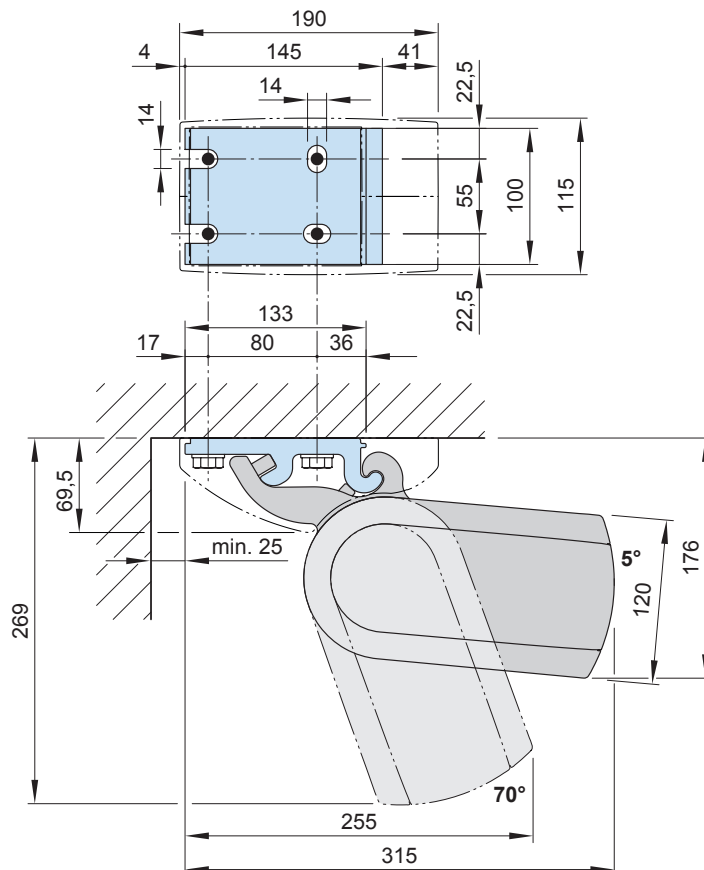
N.B!
stack to a max. height of
200 mm

716311



spacer plate for top
fixture
90x 140 x 12 mm; black

716411

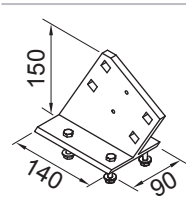


N.B.! At a pitch of more than 46° to the horizontal there must be an accessible area behind the awning at least 60 cm deep to allow manual operation incl. operation via radio-controlled motor with manual override. There are no limitations with motor systems.

dimensions in mm

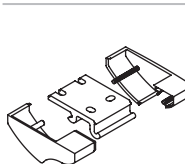
Eaves fixture

Fixtures, fittings and accessories



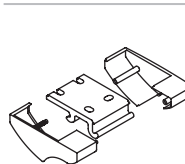
eaves fixture bracket
90 mm
150 mm plate

75889.



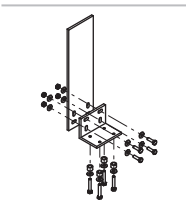
top fixture bracket
cover cap
left
100 mm

75887.



top fixture bracket
cover cap
right
100 mm

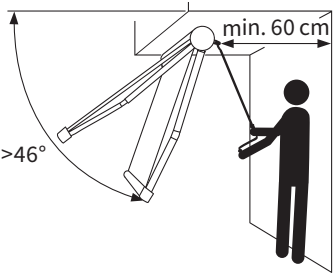
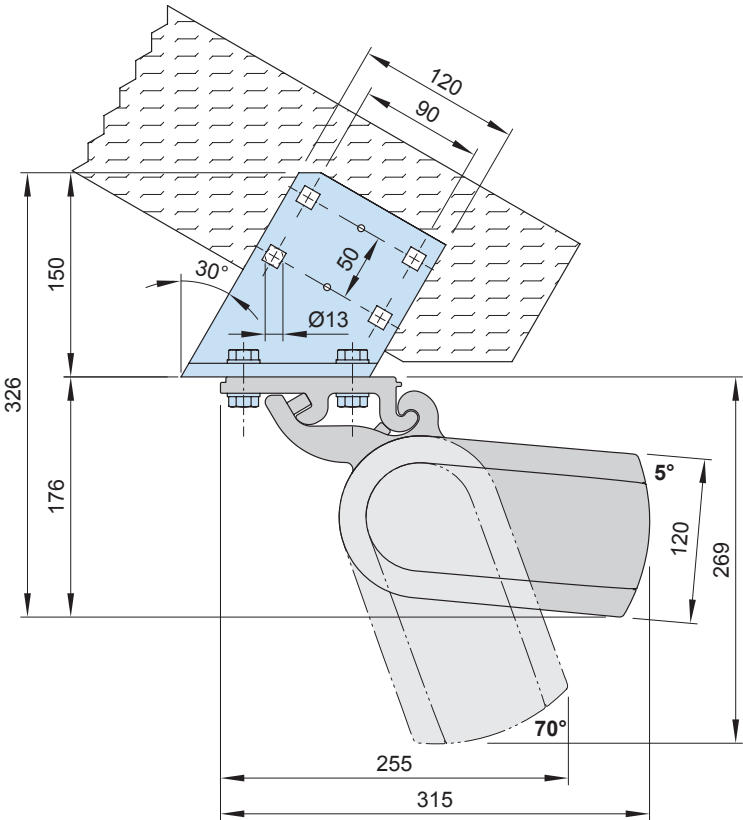
75888.



angle and plate for
eaves fixture
height of plate 500 mm
machine finish

716620

With eaves fixture bracket 150 mm (75889.)

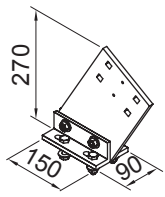


N.B.! At a pitch of more than 46° to the horizontal there must be an accessible area behind the awning at least 60 cm deep to allow manual operation incl. operation via radio-controlled motor with manual override. There are no limitations with motor systems.

dimensions in mm

Eaves fixture

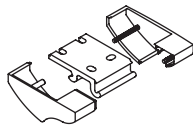
Fixtures, fittings and accessories



eaves fixture bracket
90 mm

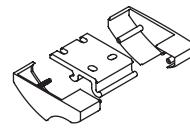
height of flat plate
270 mm

71659.



top fixture bracket
cover cap
left
100 mm

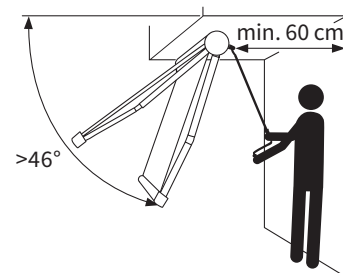
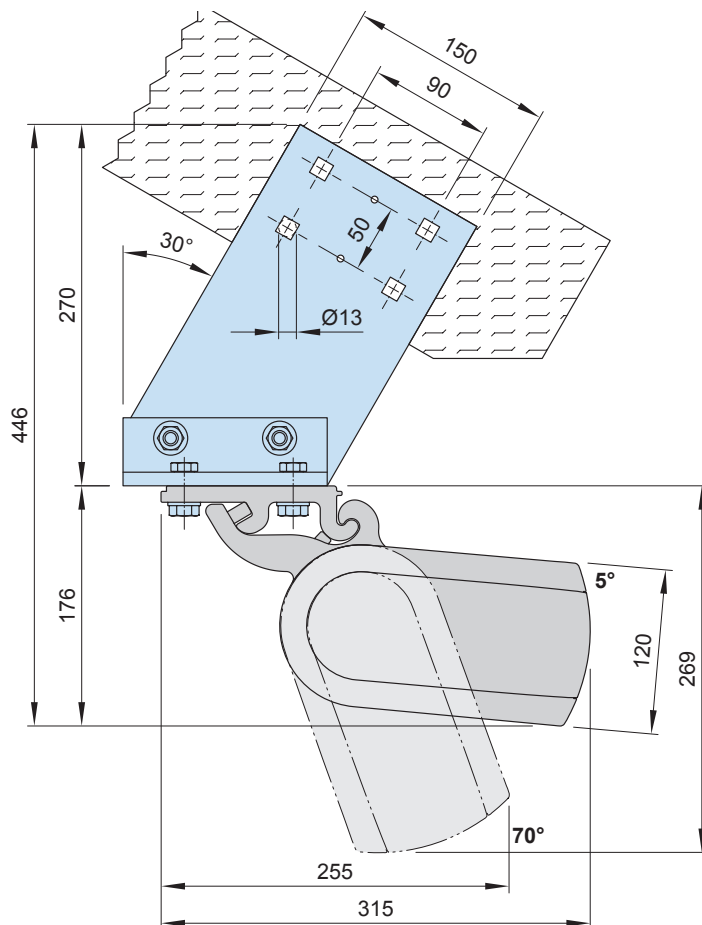
75887.



top fixture bracket
cover cap
right
100 mm

75888.

With eaves fixture bracket, top flat plate 270 mm (71659.)

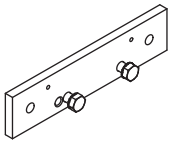


N.B.! At a pitch of more than 46° to the horizontal there must be an accessible area behind the awning at least 60 cm deep to allow manual operation incl. operation via radio-controlled motor with manual override. There are no limitations with motor systems.

dimensions in mm

Eaves fixture with additional plate

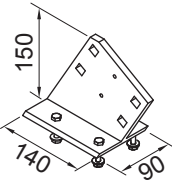
Fixtures, fittings and accessories



supplementary flat plate
for eaves fixture

260 × 60 × 12 mm

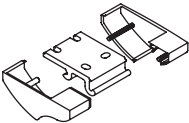
75383.



eaves fixture bracket
90 mm

150 mm plate

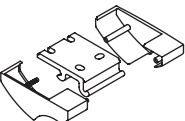
75889.



top fixture bracket
cover cap
left

100 mm

75887.

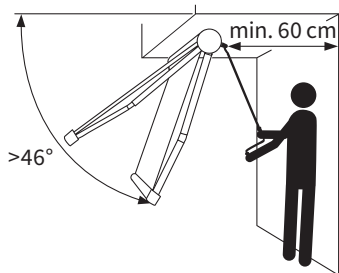
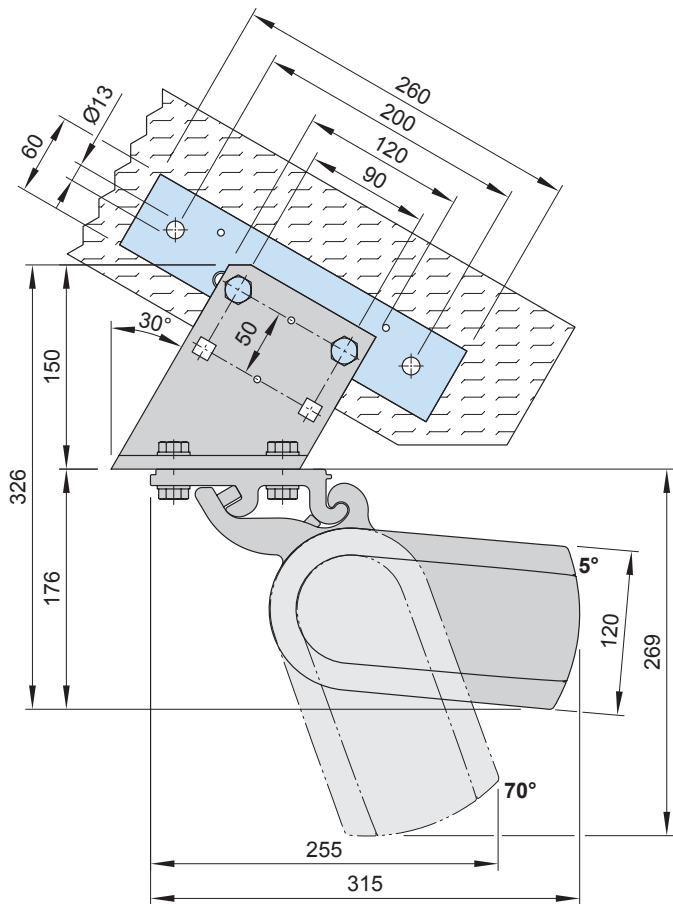


top fixture bracket
cover cap
right

100 mm

75888.

With eaves fixture bracket 150 mm (75889.)

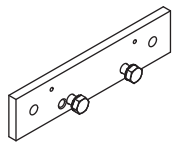


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dimensions in mm

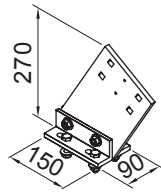
Eaves fixture with additional plate

Fixtures, fittings and accessories



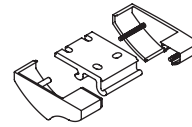
supplementary flat
plate
for eaves fixture
260 × 60 × 12 mm

75383.



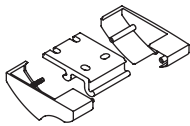
eaves fixture bracket
90 mm
height of flat plate
270 mm

71659.



top fixture bracket
cover cap
left
100 mm

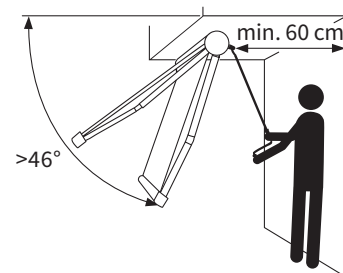
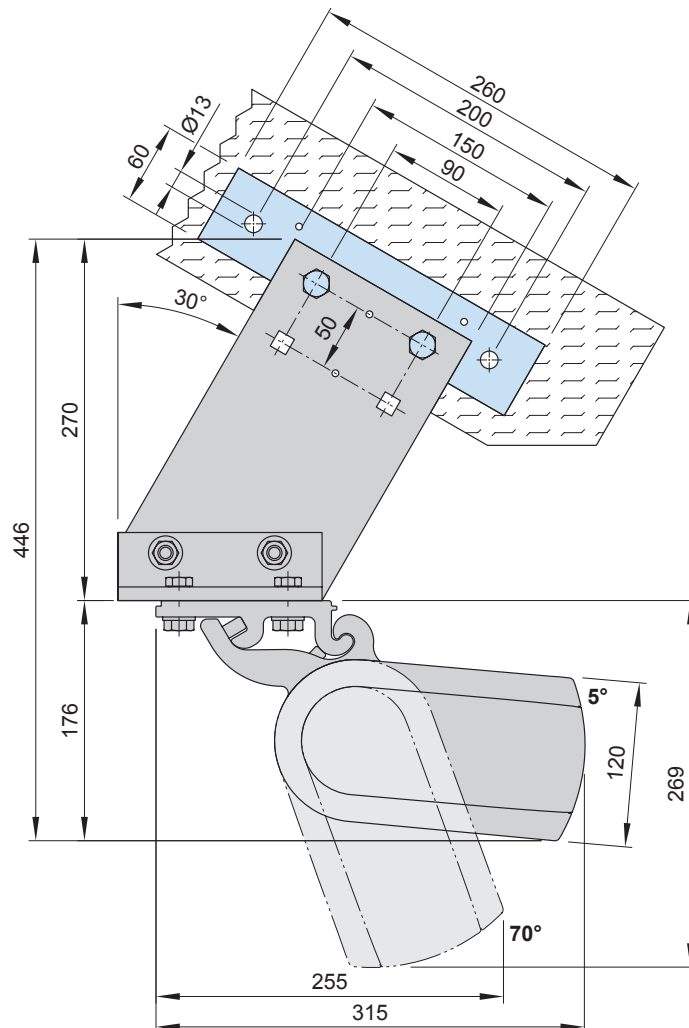
75887.



top fixture bracket
cover cap
right
100 mm

75888.

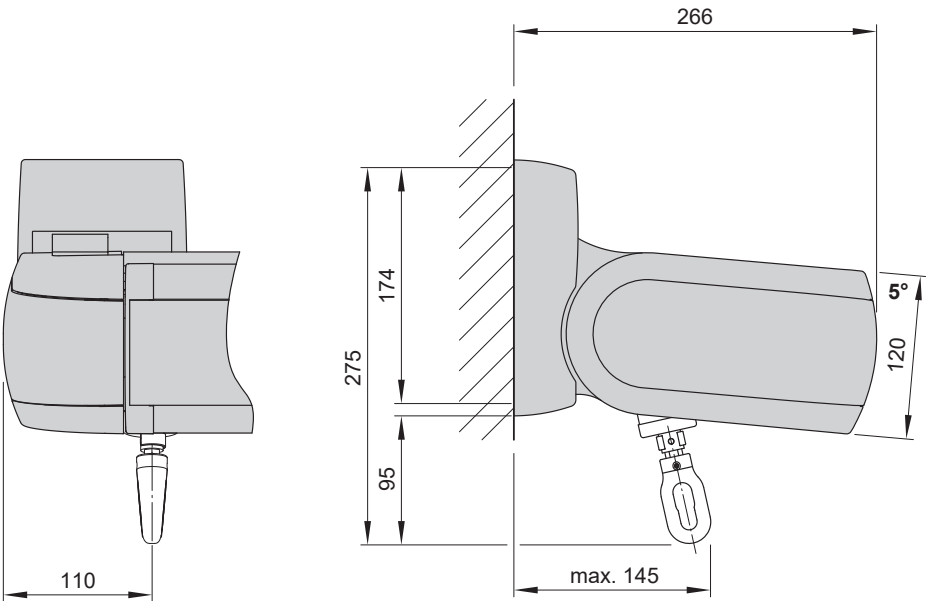
10 With eaves fixture bracket, top flat plate 270 mm (71659.)



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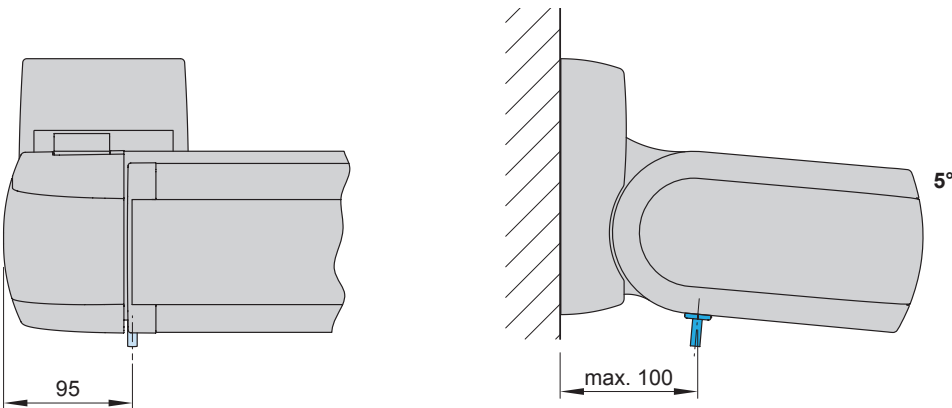
dimensions in mm

Face fixture, manual operation ¹⁾

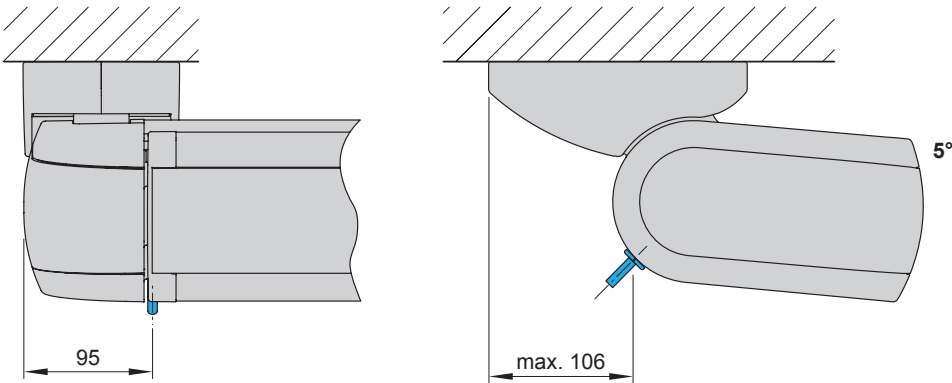


Motor / lighting cable exit point ^{1) 2)}

Face fixture



Top fixture



1) depending on the operation side, left or right

2) depending on the accessories ordered, one or two power supply cables (awning motor | lighting)

dimensions in mm

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