

Cassette awning

markilux MX-3

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







Product Characteristics

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

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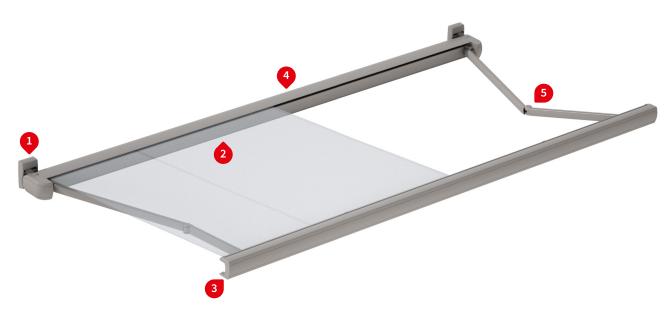
1 face fixture

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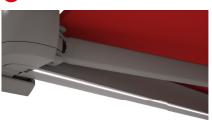
1 top fixture



1 top fixture, view from the rear



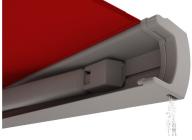
2 LED-Line in the cassette 1)



2 LED-Spots underneath the cassette 1)



unique water drainage system in the front profile



4 wall sealing profile 1)



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 in 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 fitted to the underside of the cassette which provide an appealing atmosphere in the evening various screen profile and awning colours can be combined screen profile also available with exclusive coating in the Selection MX colour selection • 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 at the smallest projection of 150 cm, maximum width 500 cm at the largest projection of 350 cm or 600 cm at a maximum projection of 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 settingmechanism **Awning 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 **End 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)
- $\bullet \ \ \text{including caps made of high quality plastic to cover the face or top fixture brackets and their fixture bolts}$
- pitch range $5^{\circ}\text{--}35^{\circ}$ (face fixture), or $5^{\circ}\text{--}70^{\circ}$ (top or eaves fixture)
- spacer plates, stand-off brackets and other accessories are available

Frame, end cap insert and styling panel colours

markilux frame colours without surcharge

traffic white, RAL 9016

metallic aluminium, RAL 9006

grey brown, similar to RAL 8019







off-white textured finish, 5233 1)

stone grey metallic, 5215 1)

anthracite metallic, 5204 1)





Non-standard powder-coated finish



havana brown textured finish, 5229 1)

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

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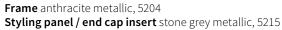
All standard styling panel colours can be combined at will with the standard frame colours 2)

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







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.

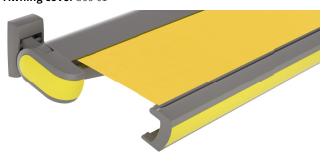
Additional styling panel and end cap insert colours

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

Styling panel / end cap insert yellow green, RAL 6018 **Frame** anthracite metallic 5204 **Awning cover** 314 86



Styling panel / end cap insert sulphur yellow, RAL 1016 **Frame** stone grey metallic, 5215 **Awning cover** 309 01



Styling panel / end cap insert red orange, RAL 2001 **Frame** havana brown textured finish, 5229 **Awning cover** 309 12



Styling panel / end cap insert traffic red, RAL 3020 **Frame** anthracite metallic 5204 **Awning cover** 411 30



Styling panel / end cap insert purple violet, RAL 4007 **Frame** anthracite metallic, 5204 **Awning cover** 315 97



Styling panel / end cap insert pearl white, RAL 1013 Frame off-white textured finish, 5233 Awning cover 309 37



Styling panel / end cap insert pearl mouse grey, RAL 7048 **Frame** havana brown textured finish, 5229 **Awning cover** 314 87



Styling panel / end cap insert agate grey, RAL 7038 **Frame** stone grey metallic, 5215 **Awning cover** 315 92



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

1) depictions by way of example; The fabric and styling panel in a matching colour; styling panel and end cap insert colours must be the same colour.

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Additional Selection MX front panel colours

Recommended colour combinations 2)

SMX-01 Copper green with patina Frame anthracite metallic, 5204 Awning cover 310 58







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SMX-02 Brass with dark patina Frame off-white textured finish, 5233 Awning cover 309 07



SMX-03 Bronze dark-patinated Frame havana brown textured finish, 5229 Awning cover 313 87



SMX-04 Matt black / silver effect lacquer Frame anthracite metallic, 5204 Awning cover 310 28



SMX-05 Matt white/silver special effect lacquer

Frame off-white textured finish, 5233 Awning cover 310 09



SMX-06 Silver grey special effect lacquer Frame stone grey metallic, 5215 Awning cover 310 18



SMX-07 Amber orange metallic matt Frame havana brown textured finish, 5229 Awning cover 314 83



SMX-08 Pebble beige metallic matt Frame off-white textured finish, 5233 Awning cover 314 87



SMX-09 Ruby red metallic matt Frame anthracite metallic 5204 Awning cover 421 30



SMX-10 Emerald green metallic matt Frame Havana brown textured finish 5229 Awning cover 411 61



Notes with regard to selecting colours from the markilux Selection MX range

Every front panel finished in a coating from the Selection MX range is unique. In a complex procedure, an exclusive look is created by using several layers of lacquer. During this process, the resulting colour and colour texture are influenced by different

For technical reasons, a slight two-tone effect, variations in the degree of gloss and colour hue as well as small variations in colour between subsequent coats of paint in the same tone may be in evidence. The colour texture is always unique, particularly in the case of multi-layered coatings. The compound colour tone SMX-10 Emerald green metallic is an interference colour, which has an iridescent effect depending on the light incidence and the viewing angle.

You are free to combine any Selection MX front panel colour with any frame colour. 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.

Dimensions and configuration options

Single unit

					Awning	g width				Minimu	ım width
		250	300	350	400	450	500	550	600	Motor	Crank handle
Orde	er ensions	183 - 250	251 - 300	301 - 350	351 - 400	401 - 450	451 - 500	501 - 550	551 - 600	(2)	(2
	150	1)								191	183
	200	1)								233	233
Н	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	\checkmark	_
spring-assisted crank handle	_	\checkmark
hard-wired motor	_	\checkmark
silentec motor (optionally with external radio receiver io / RTS)	_	_
radio-controlled motor io, 868 MHz	_	✓
radio-controlled motor RTS, 433 MHz	_	\checkmark
868 MHz radio-controlled motor io with manual override	_	_

Couple	d awnings
not ave	oilabla

Awning cover	fabric pattern no.	standard	optional
sunvas	300 – 315	\checkmark	_
sunsilk	324 / 325 / 328 / 369	\checkmark	_
sunbow ¹⁾	411 427	\checkmark	_
smart art	340	_	\checkmark
perla FR	371 / 372	_	✓

¹⁾ up to max. 300 cm projection availaible

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not available

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Optional accessories
LED-Line in the cassette
LED-Spots underneath the cassette
wall sealing profile, up to a pitch of 35°
infrared heater 2500 W
infrared heater 2500 W with integrated radio-controlled

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

automatic controls (light, wind, rain)

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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
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

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LED-Line in the cassette

230 5° 109

Technical specification

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

Controls standard optional

radio-controlled dimmer io 868 MHz	✓	_
radio-controlled dimmer RTS 433 MHz	✓	_

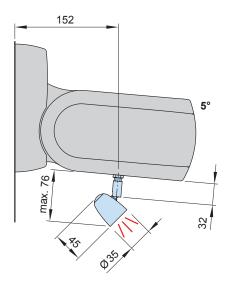
Electrical connection

power supply cable with open end H05RN-F 3G1 (3 \times 1 mm²)

dimensions in mm

Lighting options

Directional LED spotlights underneath the cassette



dimensions in mm

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Technical specification

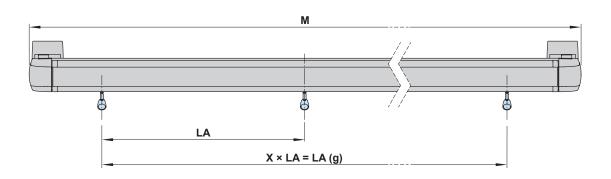
	•	
	operating voltage	230 V, 50 Hz
	Leistung eines LED-Spots	5 W
	light source	LED (12 V)
	number of transformers	1 unit
	light temperature	warm white
	IP protection class	IP 44
	service life	approx. 20.000

Controls	standard	optional

radio-controlled dimmer io 868 MHz	\checkmark	_
radio-controlled dimmer RTS 433 MHz	\checkmark	_

Electrical connection

power supply cable with open end $H05RN-F3G1 (3 \times 1 \text{ mm}^2)$



Awning width	No. of spotlights	LA	LA (g)
195-250	3	75	150
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)
M = order dimension = awning width

X = number of distances between the spots (depends on size)

dimensions in cm

No. of brackets | No. of fixing points

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		Overall awning width							
		250	300	350	400	450	500	550	600
Order dimer	scione	195	251	301	351	401	451	501	551
Order dillier	1310113	250	300	350	400	450	500	550	600
	BHT	No. of brackets No. of fixing points							
W	10	2 6							
ВР		A 2 16 B 2 8							
Di					72 10	D 2 0			
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

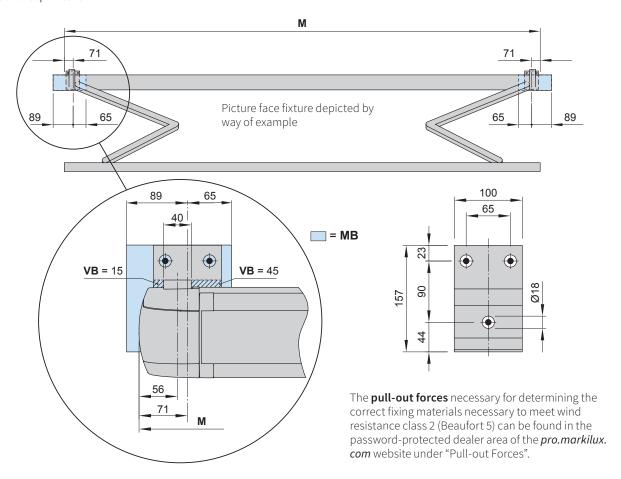
BP = spreader plate (A or B)
DA = eaves fixture brackets
DE = top fixture brackets

PA = markilux panel, fixture profile, width 250 mm

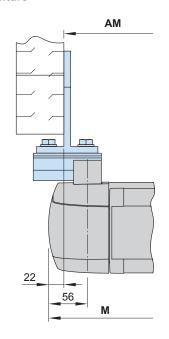
W = face fixture brackets

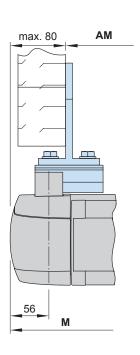
Bracket fixture range

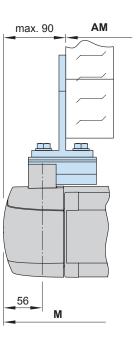
Face and top fixture



Eaves fixture







AM = installation dimensions M = order width = awning width

MB = bracket fixture range

VB = adjustment range, face fixture bracket

dimensions in mm

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Face fixture

Fixtures, fittings and accessories

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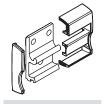
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16 17 face fixture bracket cover cap left
100 mm



face fixture bracket cover cap right

100 mm

758831

spacer plate 100 × 150 × 20 mm

N.B.!

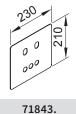
Stack to a max. height of 200 mm

75886.

758841

75885.

spacer plate 100 × 150 × 12 mm



cover plate for spacer plate and stand-off brackets in the case of external insulation 230 × 210 × 2 mm



face fixture bracket left 300 mm

75877.

75878.

face fixture bracket right 300 mm



wall sealing profile incl. brush seal by the metre

76385. and 704241.



266

146

side cover profile for wall sealing profile

left and right

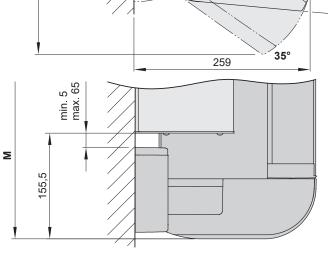
60919. and 60920.

76385.

5°

120

100 17,5 65 17,5 49 9 23 igoplus• 52 Ø18 90 157 157 174 188 • 260 25 124,5



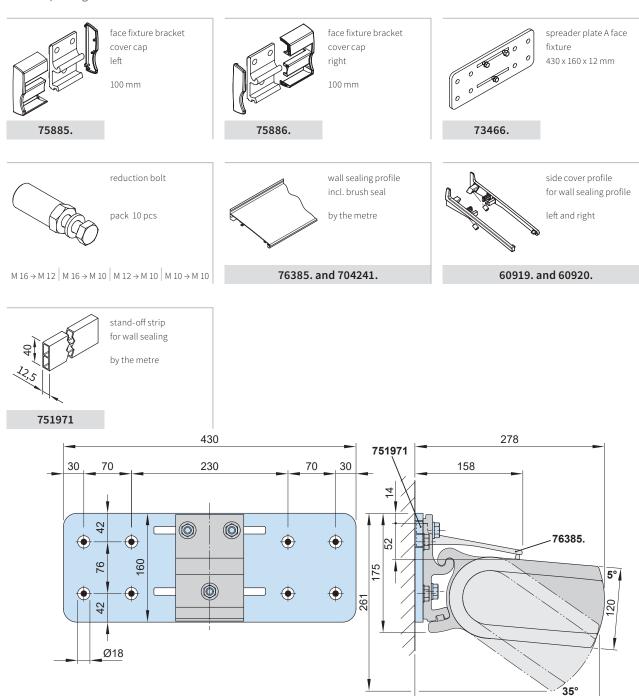
76385. = wall sealing profile (standard width = awning width (M) - 311 mm; up to a maximum awning pitch of 35°)

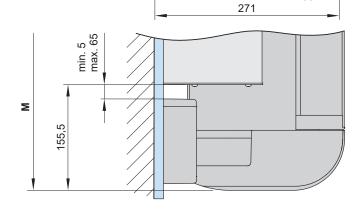
M = **order width** = awning width

dimensions in mm

Face fixture with spreader plate A

Fixtures, fittings and accessories





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

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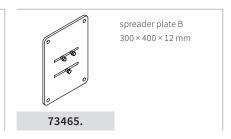
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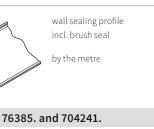
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Face fixture with spreader plate B

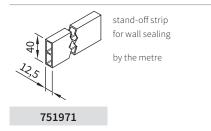
Fixtures, fittings and accessories

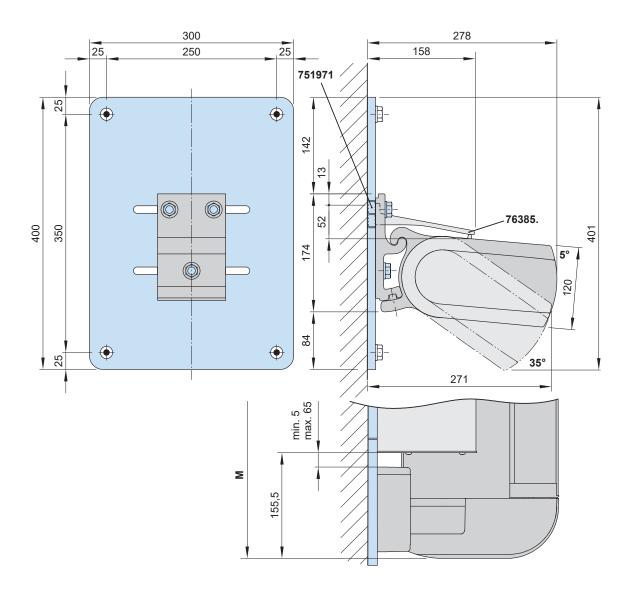
 face fixture bracket cover cap left 100 mm face fixture bracket 75885.











= stand-off strip for wall sealing profile

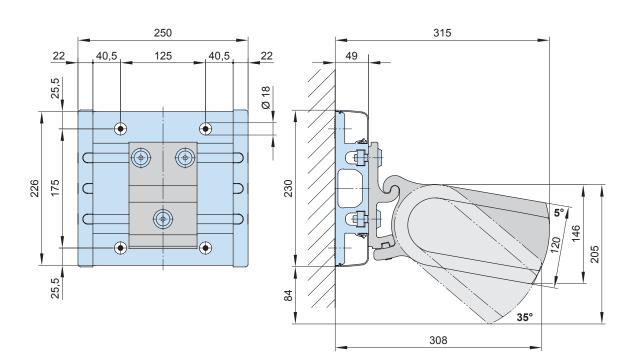
76385. = wall sealing profile (standard width = awning width (**M**) – 311 mm; up to a maximum awning pitch of 35°)

M = order width = awning width dimensions in mm

Face fixture using the markilux panel 250 mm wide

Fixtures, fittings and accessories





dimensions in mm

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Face fixture with markilux panel continuous

Fixtures, fittings and accessories

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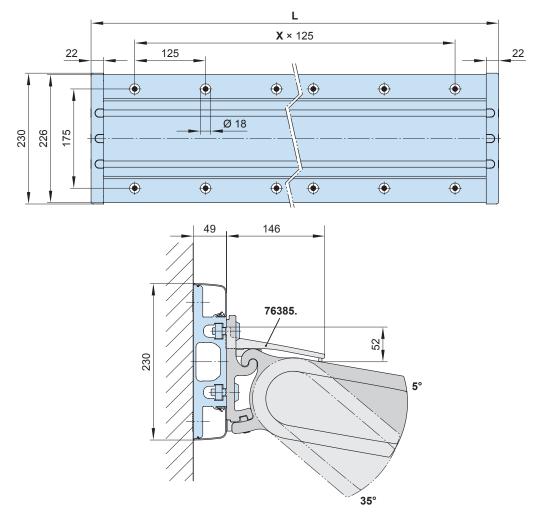
1617

markilux panel face fixture bracket face fixture bracket continuous cover cap cover cap right with decorative profiles and end caps 100 mm 100 mm 701104 75885. 75886. bracket wall sealing profile side cover profile wall sealing profile incl. brush seal for wall sealing profile by the metre left and right

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.

76385. and 704241.

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

60919. and 60920.

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Face fixture with stand-off bracket

Fixtures, fittings and accessories



face fixture bracket cover cap

100 mm

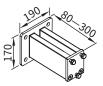
75885.



face fixture bracket cover cap right

100 mm

75886.

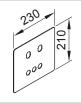


stand-off bracket 80-300 mm

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 × 210 × 2 mm

71843.



75877.

face fixture bracket left

300 mm



face fixture bracket right 300 mm

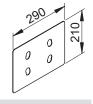
75878.



Stand-off bracket for face fixture bracket 75877. and 75878.

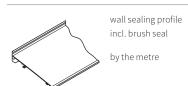
80-300 mm incl. insulating element

77968.



cover plate for spacer plate and stand-off brackets in the case of external insulation 290 × 210 × 2 mm

71841.

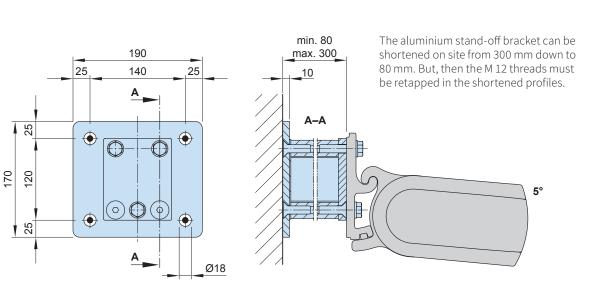


76385. and 704241.





M 16 \rightarrow M 12 \mid M 16 \rightarrow M 10 \mid M 12 \rightarrow M 10 \mid M 10 \rightarrow M 10



dimensions in mm

Top fixture

75887.

Fixtures, fittings and accessories

top fixture bracket

cover cap

100 mm

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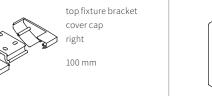
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75888.



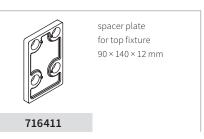


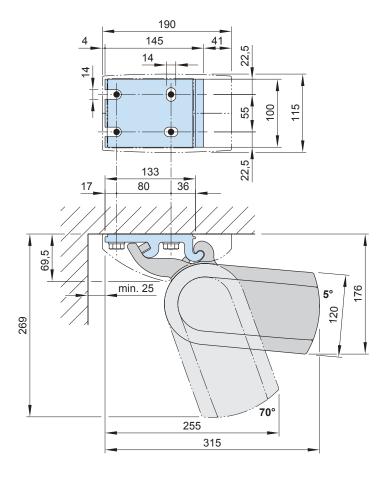
716311

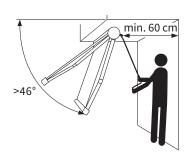
spacer plate for top fixture 90 × 140 × 20 mm

N.B!

Stack to a max. height of 200 mm



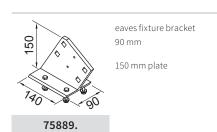




N.B.! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

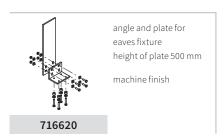
Eaves fixture

Fixtures, fittings and accessories

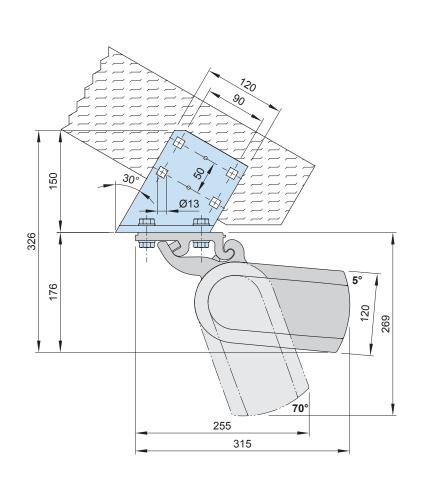


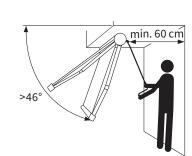






With eaves fixture bracket 150 mm (75889.)





N.B.! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

dimensions in mm

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Eaves fixture

Fixtures, fittings and accessories

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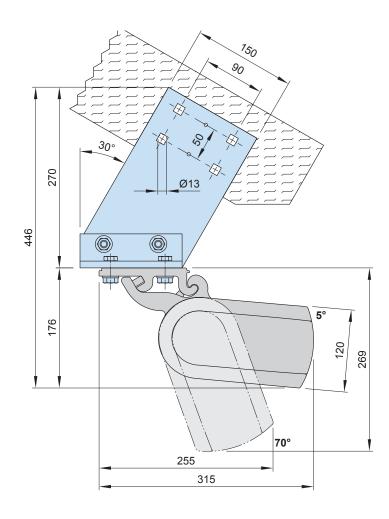
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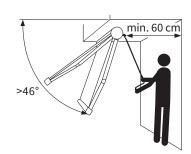
eaves fixture bracket 90 mm height of flat plate 270 mm



top fixture bracket cover cap right 100 mm

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



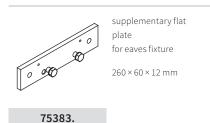


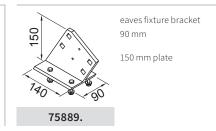
N.B.! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

 $dimensions \ in \ mm$

Eaves fixture with additional plate

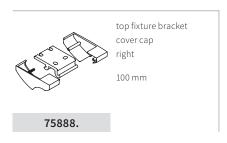
Fixtures, fittings and accessories



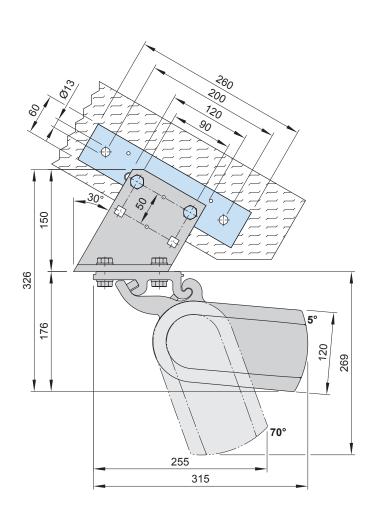


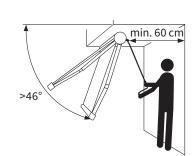


01



With eaves fixture bracket 150 mm (75889.)





N.B.! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

dimensions in mm

Eaves fixture with additional plate

Fixtures, fittings and accessories

75383.

U3

01

03

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06

08

09

1011

1213

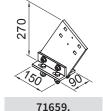
14

15

16

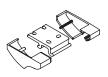
17

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



eaves fixture bracket 90 mm

height of flat plate 270 mm



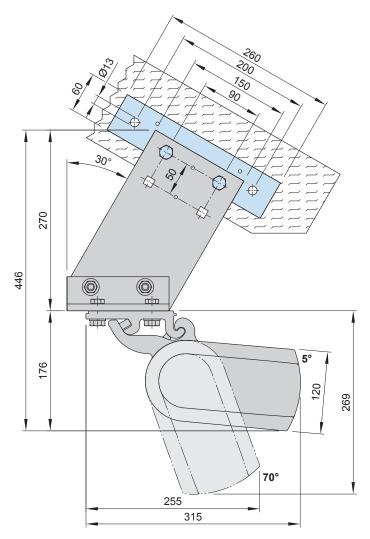
top fixture bracket cover cap

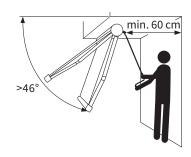
100 mm

75887.

top fixture bracket cover cap right 100 mm

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

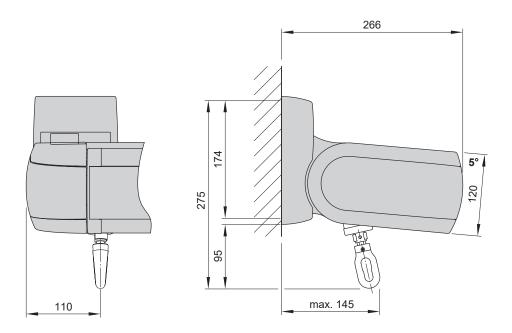




N.B.! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

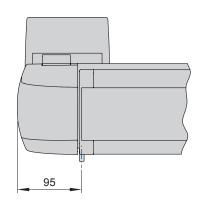
dimensions in mm

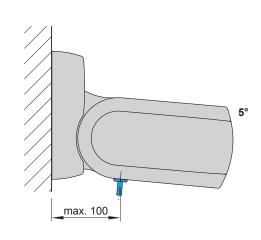
Face fixture, manual operation 1)



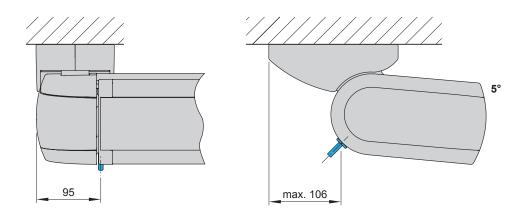
Motor / lighting cable exit point 1) 2)

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

markilux.com 97

I 05