

Cassette awning

markilux MX-3

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









Product characteristics

 $\label{eq:wind resistance class 2} Wind resistance class 2$ $\mbox{Beaufort 5} \rightarrow \mbox{7.5-10.4 m/s} \rightarrow \mbox{28-37 km/h} \rightarrow \mbox{17-23 mph}$

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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

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), infinitely variable
- spacer plates, stand-off brackets and other accessories are available

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Frame, end cap insert and styling panel colours

markilux awning colours without surcharge

traffic white, RAL 9016

metallic aluminium, RAL 9006

off-white textured finish, 5233 1)



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stone grey metallic, 5215 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.

1) textured finish

Combination Possibilities

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



2) depictions by way of example; The styling panel and end cap insert colours must be the same colour. Colours may differ slightly from those depicted in both hue and finish.

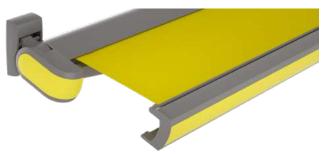
Additional styling panel and end cap insert colours

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** 325 06

Styling panel / end cap insert sulphur yellow, RAL 1016 Frame stone grey metallic, 5215 Awning cover 324 71





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** 310 03





Styling panel / end cap insert purple violet, RAL 4007 **Frame** anthracite metallic, 5204 **Awning cover** 310 54

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





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

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Additional Selection MX front panel colours

Recommended colour combinations²⁾

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 324 49

SMX-03 Bronze dark-patinated Frame Havana brown textured finish 5229 Awning cover 309 47







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

SMX-05 Matt white/silver 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-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 325 13



SMX-10 Emerald green metallic matt Frame Havana brown textured finish 5229 Awning cover 325 16



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 factors.



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.

2) Illustrations by way of example; The styling panel and end cap insert colours must be the same colour. Colours may differ slightly from those depicted in both hue and finish.

Dimensions and configuration options

Single unit

					Awning	g width				Minimur	n widths
		250	300	350	400	450	500	550	600	Motor	Crank handle
Ord dim	er ensions	183 - 250	251 - 300	301 - 350	351 - 400	401 - 450	451 - 500	501 - 550	551 - 600	(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

Coupled Awning

= 2 stand

= 2 standard arms

Operation	standard	optional
manual operation	\checkmark	_
spring-assisted crank handle	_	\checkmark
hard-wired motor	_	\checkmark
silentec motor (optionally with an external io / RTS receiver)	_	_
radio-controlled motor io, 868 MHz	_	\checkmark
radio-controlled motor RTS, 433 MHz	_	\checkmark
radio-controlled motor RTS, 433 MHz with manual override	-	_

_	not available
\checkmark	
\checkmark	
_	
\checkmark	
/	

Shadeplus / drop valance

not available

Awning cover	fabric range no.	standard	optional
sunvas	301 / 309315	\checkmark	_
perla	370	_	\checkmark
sunsilk	324 / 325 / 328 / 369	\checkmark	_
perla FR	374 / 375	_	\checkmark
perfotex	331 / 332	_	_
transolair	338 / 339	_	_
vuscreen Alu	317	_	_
Soltis Perform 92	92-20	_	_
glass fibre screen	272	_	_
valance		_	_

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01 Optional accessories

LED-Line recessed in the cassette

LED-Spots underneath the cassette

wall sealing profile, up to a maximum awning pitch of 35° infrared heater 2500 W infrared heater 2500 W with integrated radio-controlled receiver, 868 MHz io automatic controls (light, wind, rain)

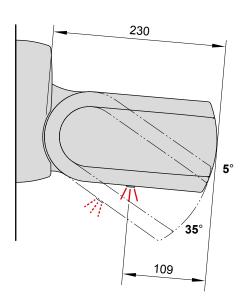
N.B! Important background information can be found in the chapter "Optional Accessories".

Fixture options

rixture 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	75326.
spreader plate B 300 × 400 × 12 mm	75325.
markilux panel 250 × 230 × 49 mm	76308.
markilux panel continuous	76380.
stand-off bracket 80–300 mm for face fixture bracket 100 mm	72872.
stand-off bracket 80–300 mm for face fixture bracket 300 mm	77968.
top fixture bracket with cover, left 100 mm	75887.
top fixture bracket with cover, right 100 mm	75888.
eaves fixture bracket 90 mm, 150 mm plate	75889.
eaves fixture bracket 90 mm, 270 mm plate	71659.
flat plate and angled bracket for eaves fixture, machine finish aluminium, 500 mm plate	716620
spreader plate 260 × 60 × 12 mm	75383.

Lighting options

LED-Line recessed in the cassette



dimensions in mm

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

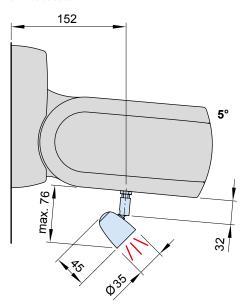
radio-controlled dimmer io, 868 MHz	\checkmark	_
radio-controlled dimmer RTS, 433 MHz	\checkmark	_

Electrical connection

power supply cable H05RN-F 3G1 $(3 \times 1 \text{ mm}^2)$ with open end

Lighting options

Directional LED spotlights underneath the cassette



dimensions in mm

 са	l specif	···	

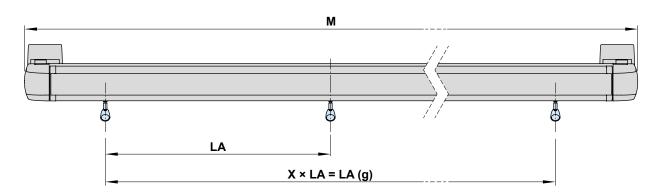
•	
Operating voltage	230 V, 50 Hz
power output per metre	5 W
Light source	LED (12 V)
Number of transformers	1 unit
Light temperature	warm white
IP protection class	IP 44
Service life	approx. 20,000 h

Controls Standard Optional

Radio-controlled dimmer io, 868 MHz	\checkmark	_
Radio-controlled dimmer RTS, 433 MHz	\checkmark	_

Electrical connection

power supply cable H05RN-F 3G1 $(3 \times 1 \text{ mm}^2)$ with open end



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

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

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No of brackets | No. of fixing points

		Awning width									
		250	300	350	400	450	500	550	600		
Order dimensions	nensions	195	251	301	351	401	451 -	501	551 -		
	1011310113	250	300	350	400	450	500	550	600		
	внт	No of brackets No. of fixing points									
W	10	2 6									
ВР		A 2 16 B 2 8									
ы					712 10	D 2 0					
PA		2 8									
DA / DE	10	2 8									
DA / DE	10				2 0	3					

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 markilux.com website under "Pull-out Forces".

dimensions in cm

BHT = bracket width

BP = spreader plate (A / B)

DA = eaves fixture bracket

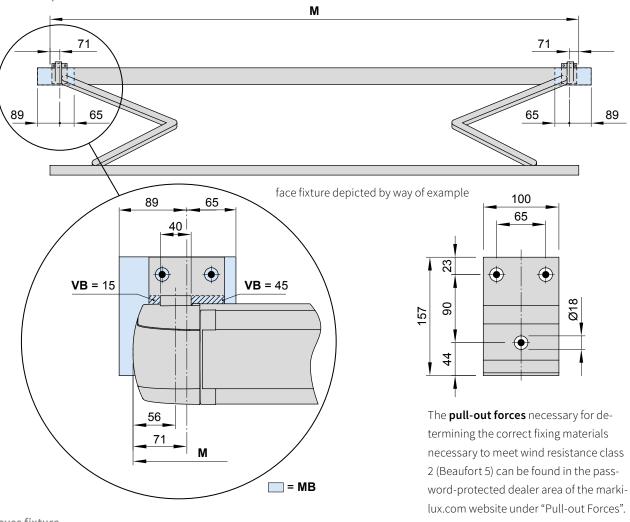
DE = top fixture

PA = markilux panel, fixture profile, width 250 mm

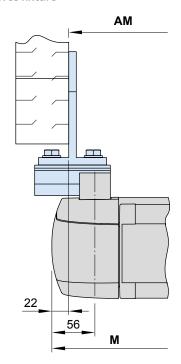
GB = top fixture bracketW = face fixture bracket

Bracket fixture range

Face and top fixture

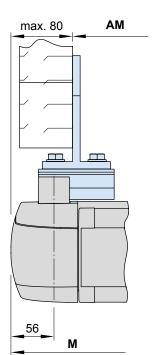


Eaves fixture



M = *order width* = awning width

MB = bracket fixture range



56 M

max. 90

ΑM

VB = adjustment range face fixture bracket

AM = installation dimensions

dimensions in mm

Face fixture 01

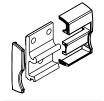
Fixtures, fittings and accessories





75885.



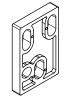


75886.

face fixture bracket cover cap

100 mm



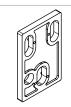


758831

spacer plate

100 × 150 × 20 mm

Stack to a max. height of 200 mm



758841

spacer plate

100 × 150x × 12 mm



71843.

cover plate for spacer plate and stand-off brackets in the case of external insulation

230×210×2 mm





75877.

face fixture bracket left

300 mm



face fixture bracket right 300 mm



wall sealing profile incl. brush seal



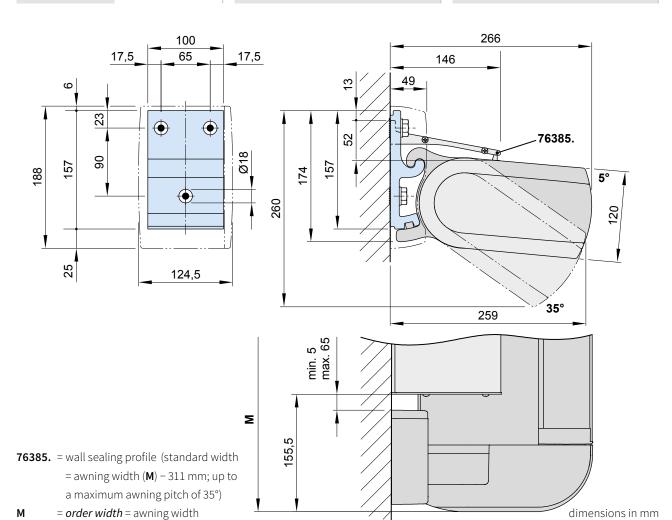
1 side plate including 2 pan-head self-tapping screws for wall sealing profile

76386. and 2 × 735611



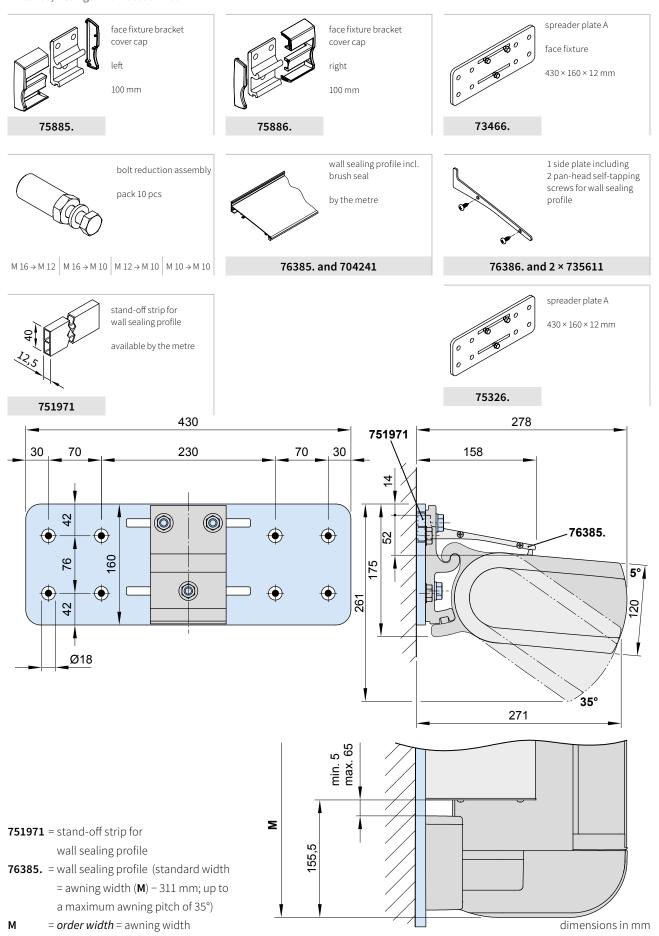
75878.





Face fixture with spreader plate A

Fixtures, fittings and accessories



Face fixture with spreader plate B

Fixtures, fittings and accessories



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face fixture bracket cover cap
left
100 mm

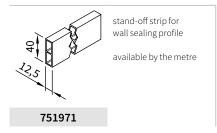
face fixture bracket cover cap
right
100 mm

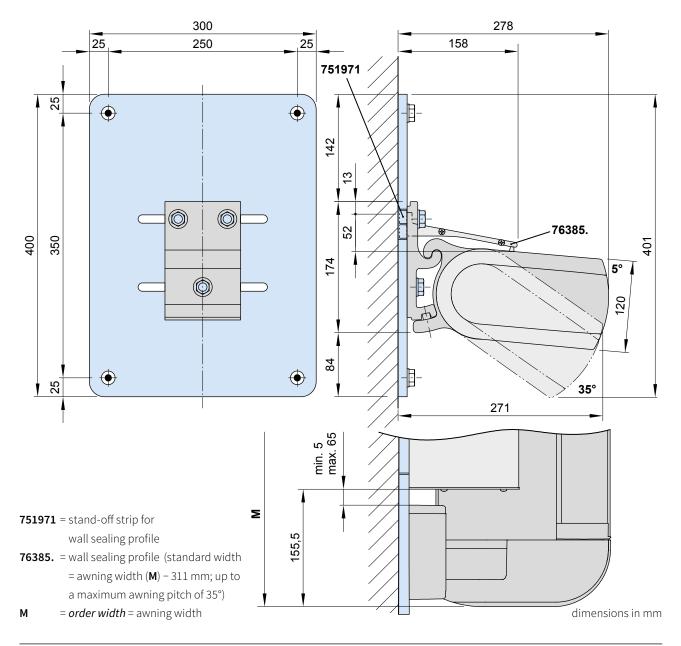
spreader plate B
face fixture
300 × 400 × 12 mm

753465





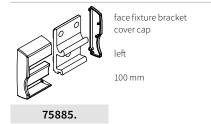




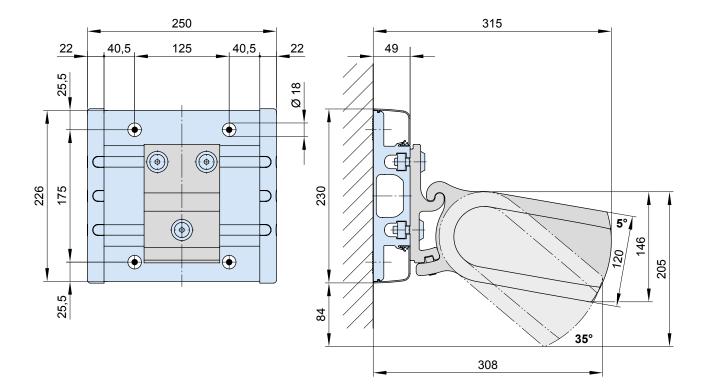
Face fixture with markilux panel 250 mm

Fixtures, fittings and accessories









dimensions in mm

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Face fixture with markilux panel continuous

Befestigung und Zubehör

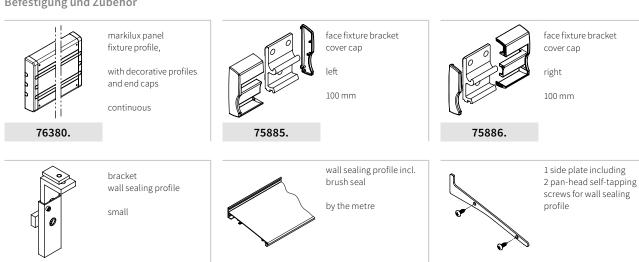
76468.

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= fixing point separation, by way of example

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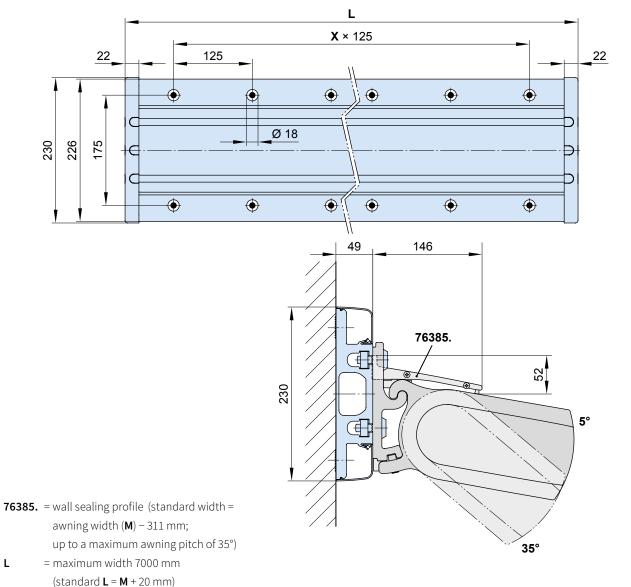


As a continuous fixture profile, the markilux panel will always be supplied to order on the basis of a technical drawing prepared in the factory in accordance with the awning specification.

76385. und 704241

76386. und 2 × 735611

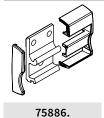
dimensions in mm



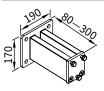
Face fixture with stand-off bracket

Fixtures, fittings and accessories





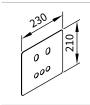




stand-off bracket for 100 mm face fixture brackets 75885. and 75886.

72872.





71843.

cover plate for spacer plate and stand-off bracket 72872. in the case of external insulation

230 × 210 × 2 mm



75877.

face fixture bracket left

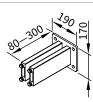
300 mm



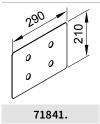
75878.

face fixture bracket right

300 mm



stand-off bracket for 300 mm face fixture brackets 75877. and 75878.



cover plate for spacer plate and stand-off bracket 77968. in the case of external insulation

290 × 210 × 2 mm



bolt reduction assembly

77968.

Wall sealing profile

incl. brush seal

coverboard

available by the metre

when installing with a

76385. and 704241



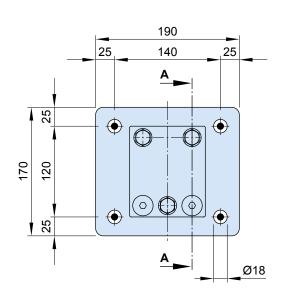
1 side plate including 2 pan-head self-tapping screws for wall sealing profile

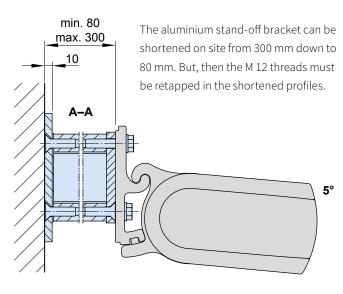
76386. and 2 × 735611



pack 10 pcs

M 16 → M 12 | M 16 → M 10 | M 12 → M 10 | M 10 → M 10





dimensions in mm

Top fixture 01

Fixtures, fittings and accessories

top fixture bracket cover cap 100 mm

75887.

75888.

top fixture bracket cover cap 100 mm



spacer plate

90 × 140 × 20 mm

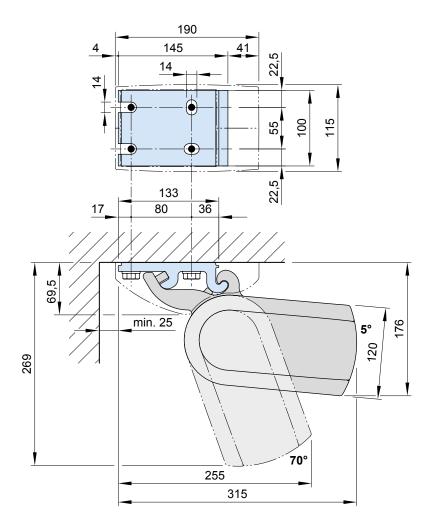
Stack to a max. height of 200 mm

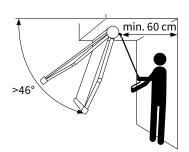


spacer plate

90 × 140 × 12 mm

716411





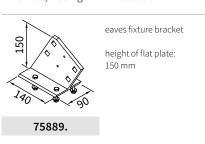
N.B! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

dimensions in mm

Eaves fixture

716620

Fixtures, fittings and accessories





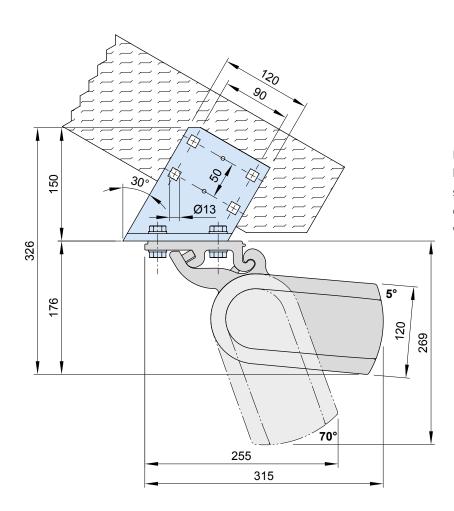


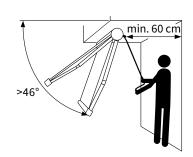
With eaves fixture bracket, top flat plate 150 mm (75889.)

flat plate and angled bracket for eaves fixture

height of flat plate: 500 mm

machine finish





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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01 Eaves fixture

Fixtures, fittings and accessories

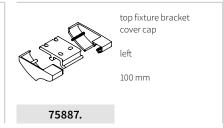
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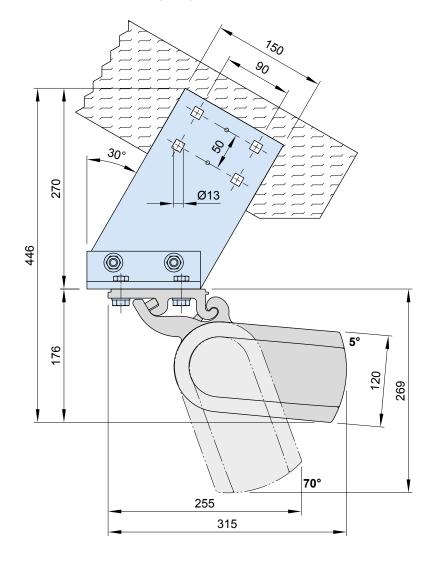
04

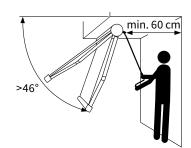
eaves fixture bracket
height of flat plate:
270 mm





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



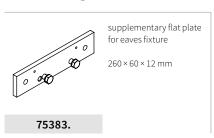


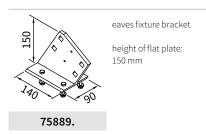
N.B! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

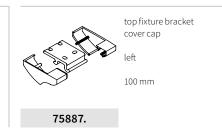
dimensions in mm

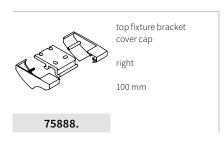
Eaves fixture with additional plate

Fixtures, fittings and accessories

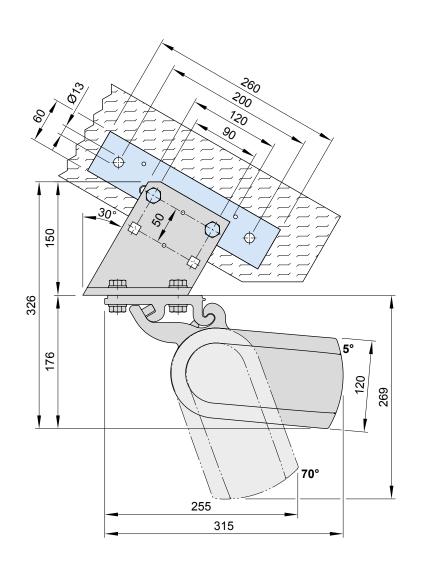


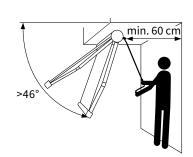






With eaves fixture bracket, top flat plate 150 mm (75889.)





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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■ **01** Eaves fixture with additional plate

Fixtures, fittings and accessories

75383.

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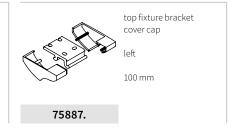
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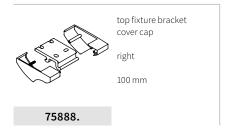
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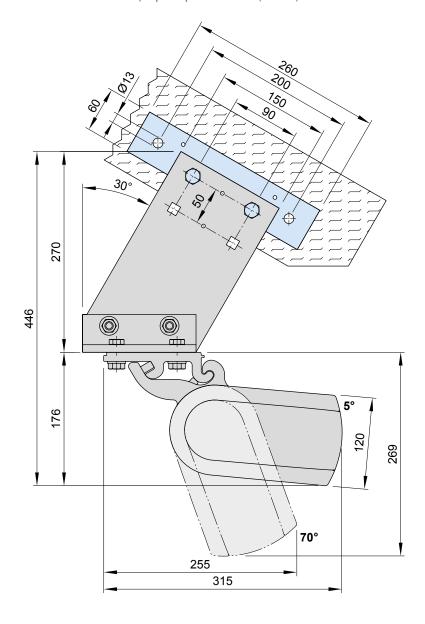
supplementary flat plate for eaves fixture 260 × 60 × 12 mm

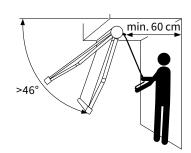
eaves fixture bracket
height of flat plate:
270 mm





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

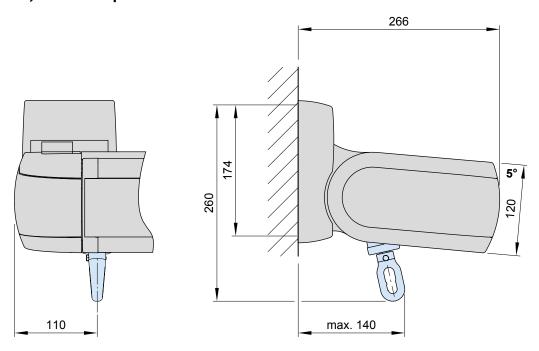




N.B! At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

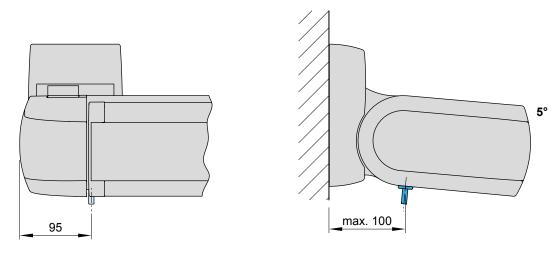
dimensions in mm

Face fixture, manual operation 1)

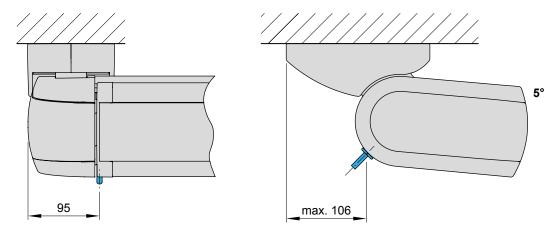


Motor / lighting cable exit point 1) 2)

Face fixture



Top fixture



- 1) depending on the operation side, left or right
- $\textbf{2)} \ depending \ on \ the \ accessories \ ordered, \ one \ or \ two \ power \ supply \ cables \ (awning \ motor \ | \ lighting)$

dimensions in mm

01

02

03

04

05

01

()

0-

04

05