

markilux®



markilux® 5005
The Folding-arm Cassette Awning
compact, robust and quite simply chic

The markilux® 5005 Folding-arm Cassette Awning

the compact cassette awning - slim, robust and quite simply chic

NEW Now with an arm length of 400 cm! (as the markilux® 5000 without cover profile)



The markilux® 5005
with robust designer cassette

Optional Accessories:

Electric operation and controls by **SOMFY**
top fixture
Valance



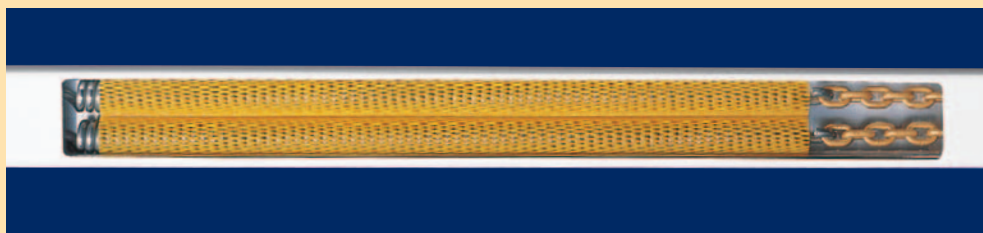
Profile view, retracted
face fixture

Modern awning design

- elegant contouring of cassette and front profile
- maximum stability
- arms protected inside closed cassette
- cover is kept taut by virtue of extremely powerful arms



Profile view, retracted,
top fixture



Inside view of a folding arm, showing the springs, nylon sleeves and the direct coupling of the springs to the chain - proven technology resulting in a maximum of arm tension and a taut awning cover (also used in the markilux® 1600 and 3300)



- The diminutive and elegant front profile is endowed with an integrated gutter and concealed water spouts



- View of the awning with cover protection profile



- Completely enclosed cassette - lending total protection to both cover and frame



- The pitch can be changed without requiring adjustment of the front profile

Enduring elegance at the smallest of dimensions

- all moving parts and arm components are made of either drop-forged or extruded aluminium
- all screws and components are made of corrosion-resistant stainless steel
- elegantly contoured end caps
- with cover protection profile giving a closed appearance when the awning is extended (up to an arm length of 350 cm)



- Without cover protection profile at an arm length of 400 cm



- Wall sealing profile (surcharge)



- Robust inner arm bearer

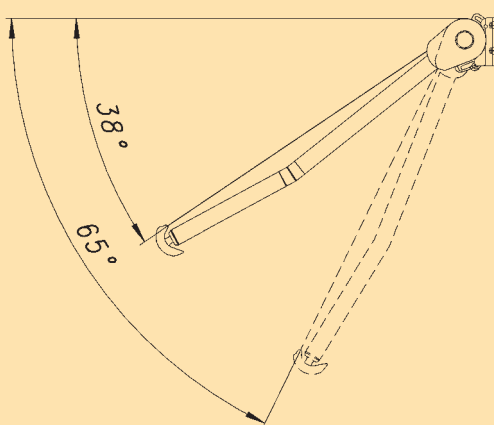
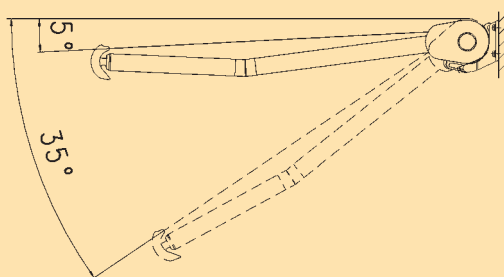
- the difference in upper and lower arm length ensures a high degree of lateral stability
- the arms are seated in Teflon-coated, bronze bushes, which provide maintenance-free arm performance
- extremely low tolerances give increased stability on windy days
- the markilux® winding handle - get to grips with real quality
- **SOMFY** – quality even in the electric motor
- really strong roller - 85 mm. in diameter; it is incredible that such sturdy technology will fit inside such a graceful cassette



- Elegantly designed wall bracket



- Corrosion-resistant and technically proven; **twin steel-link chains** at the elbow joints



- pitch adjustment from 5° to 35° or optionally from 38° to 65° (not by means of a pitch adjustment gear)

We reserve the right to make alterations without giving prior notice.

The markilux® 5005 Folding-arm Cassette Awning

NEW with shadeplus

- more shade
- more privacy
- retains the heat



Profile view, retracted

- shadeplus available in drops of 115 cm. and 210 cm.
- also available on coupled units; the cover is split at the coupling point
- a shadeplus is **only** available manually operated. In the case of coupled units operation is via a manual drive on both the left-hand and right-hand side of the awning.
- the shadeplus cover – like the awning cover – is made of a brand make of spundyed acrylic material or of sunsilk (PVC is not available – Soltis being the only exception)
- a shadeplus is available at all widths up to an arm length of 300 cm. A shadeplus is not available at an arm length of 350 cm. or 400 cm.
- the shadeplus cover is split in the middle when the awning width exceeds 500 cm.



Face fixture with shadeplus, awning retracted



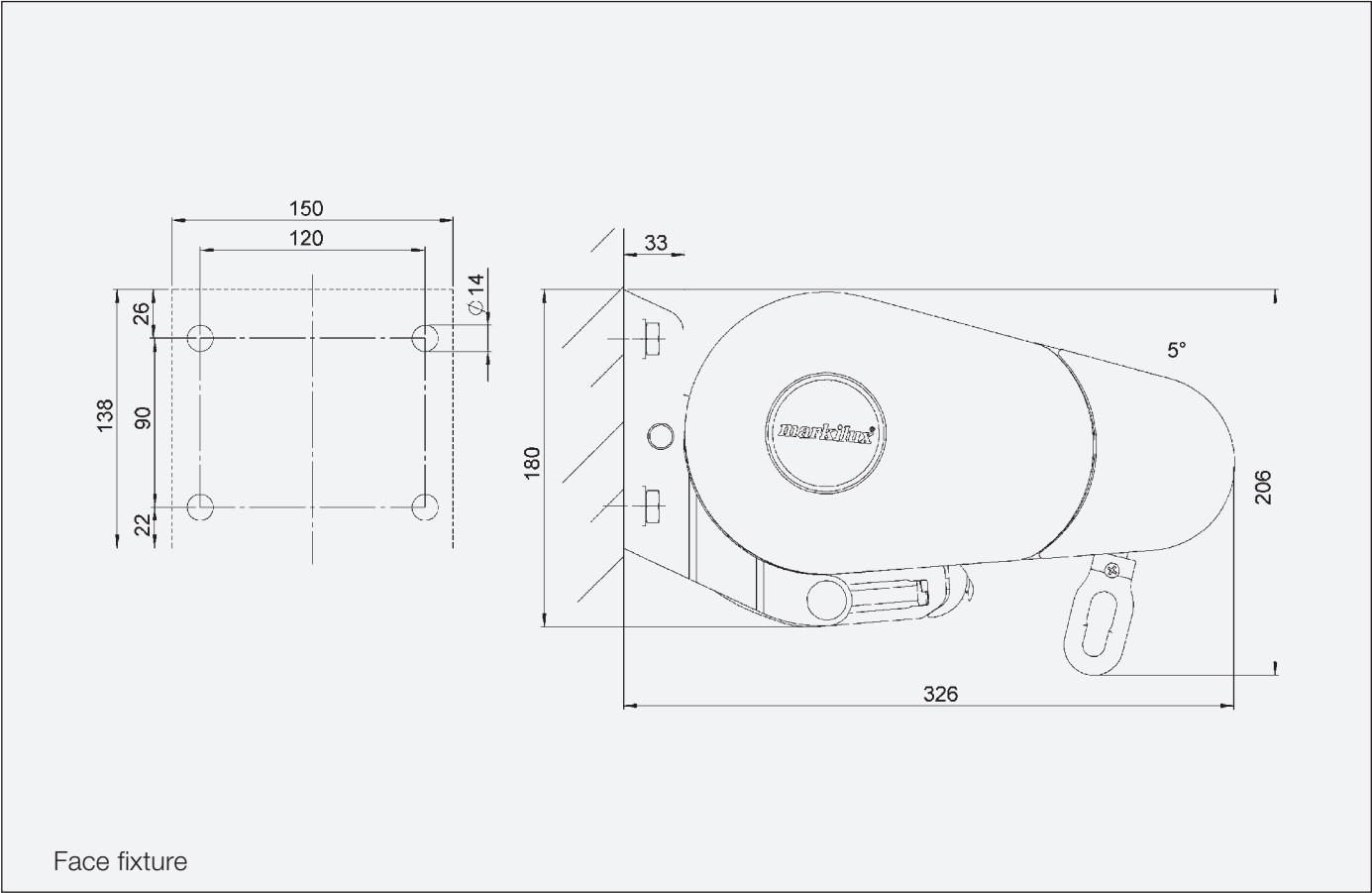
Awning being extended



Awning and shadeplus being extended

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Dimensions of the Folding-arm Awning
markilux® 5005 with Shadeplus:



The markilux® 5005 Folding-arm Cassette Awning



Dimensions	Standard widths in cm.	250	300	350	400	450	500	550	600	650	700	Approx. handle revs. Gearbox 5 : 1	Approx. extension time in sec. 7)	Standard motor	Rad.-contr. motor
	Arm length 150 cm											22	19	19	
	Arm length 200 cm											30	25	25	
	Arm length 250 cm	–										37	30	30	
	Arm length 300 cm	–	–									45	35	35	
	Arm length 350 cm 2) 10)	–	–	–						4)		52	41	41	
	Arm length 400 cm 1) 2) 5)	–	–	–	–	6)			–	–	4)	–	47	47	
	No. of face fixture brackets	2			3			4							
	No. arms	2			2			3 3)				17 rpm 8)	17rpm 8)		

1) Only available with motor

2) Awning covers not available in oversized fabrics

3) Awnings with three arms will only be supplied with a motor (surcharge)

4) No intermediate widths available between 600 cm and 650 cm and between 650 cm and 700 cm

5) N.B. Awnings with an extension of 400 cm will be supplied as a markilux 5000 (without cover protection profile and with rolltex bearings). The cover may touch the arms during extension/retraction.

6) N.B. Without rolltex bearing

7) N.B. The motor will stop automatically after 3 – 4 minutes use to prevent overheating.

8) Nominal r.p.m.
It cannot be guaranteed that a bank of awnings will all run at the same speed. This is due to the tolerances in the r.p.m. of the motors.

9) N.B. With rolltex bearing from 465 cm.

10) N.B. No shadeplus possible from an arm length of 350 cm.

Available Accessories	Manual operation winding handle: 110, 140, 160, 180, 220 cm	<input checked="" type="checkbox"/>
	Servo-assisted manual operation	<input checked="" type="checkbox"/>
	Motor drive switch recommended	<input checked="" type="checkbox"/> fixed position switch
	Wall sealing profile	<input checked="" type="checkbox"/>
	Side blind	<input checked="" type="checkbox"/>
	Frame polyester powder coated as standard in colour*	<input checked="" type="checkbox"/>
	Cover made of a brand name of acrylic material or of sunsilk	<input checked="" type="checkbox"/>
	PVC cover	<input checked="" type="checkbox"/> up to a width of 600 cm. and an arm length of 250 cm.
	Not available: pitch adjustment gear, the 364xx series of fabrics	

* White: RAL 9016, brown: RAL 8019, metallic aluminium: RAL 9006 and light ivory: RAL 1015. Other RAL colours are available. Lead times will be given on request.

Manual operation (gearboxes employed)

universal joint	eye	gear reduction	end-stop with/without	worm gear	bevel gear	order number
	<input checked="" type="checkbox"/>	5 : 1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	72167. "L" * 72168. "R" *

1 = black; 3 = white

motor drive with electronic torque reduction and limit switching when being retracted

Standard motor for up to 2 folding arms	763141 "R" 763131 "L"
Standard motor for up to 4 folding arms	784821 "R" 784811 "L"
Standard motor for up to 6 folding arms	791821 "R" 791811 "L"

Radio-controlled motor for up to 2 folding arms	763461
Radio-controlled motor for up to 4 folding arms	763351
Radio-controlled motor for up to 6 folding arms	763411

Possible dimensional variations: (in mm.)

Overall width of the awning	Standard widths		Intermediate widths	
	Motor	Gear	Motor	Gear
Tolerances in the width	+5/–5	+5/–5	+5/–5	+5/–5
Tolerances in the extension	+40 / –40		+40 / –40	

Awning cover sizes: (in mm.)

markilux® 5005	Standard widths		Intermediate widths	
	Motor	Gear	Motor	Gear
Cover width = (deduct from awning width)	160		160	
Cover length = (add to awning extension)	150		150	
Shadeplus cover width (deduct from awing width)	200		200	

Awning cover tolerances: (in mm.)

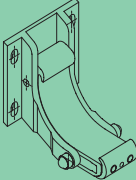

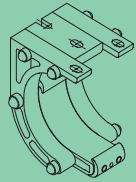
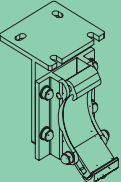
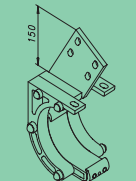
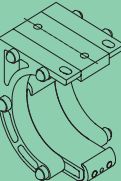
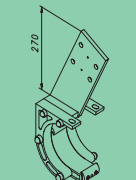
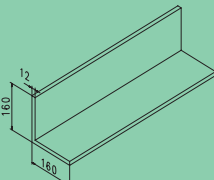
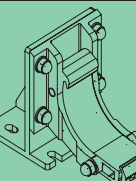
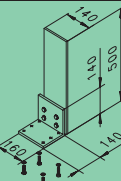
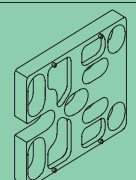
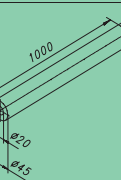
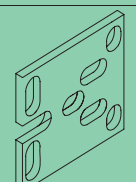
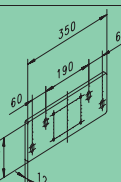
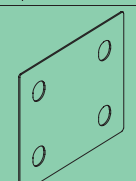
(Tolerances in the width and drop of the cover)	From	To	Tolerances
	0	2000	+ 5 / – 5
	2010	4000	+ 8 / – 8
	4010	6000	+ 12 / – 12
	6010	7000	+ 15 / – 15

N.B. Measure carefully! We will not take awnings back because of incorrect size. Awnings are made to measure. The arm length is measured with the awning at a pitch of 15° from the wall over the cover to the leading edge of the front profile. The shadeplus drop is measured from the bottom edge of the shadeplus profile to the bottom edge of the valance profile. Coupled awnings can be supplied up to three units wide with a maximum of six arms (only motorised). They can be fitted with jockey rollers except when the arm length is the maximum for the width of each awning. One-piece covers on request. There is a chance of the pattern not matching where jockey rollers are concerned. If coupled awnings are fitted into a recess or a reveal, the overall width of the coupled awning must be 6 cm. less than the width of the opening to allow the awnings to be coupled. Make a special note if an awning is to be fitted into a recess/reveal, and note the recess/reveal width separately. **The operation side should be given as if seen from the outside.** Please consult the special notes contained in the general information/markilux fabric collections. We reserve the right to make alterations without giving prior notice.

The markilux® 5005 Folding-arm Cassette Awning



Fixtures and Accessories

Part	Description	Part No.	Part	Description	Part No.
	Face fixture bracket assembly 150 mm 5-35°	79280.		Face fixture bracket assembly 38-65°	79329.
	Top fixture bracket assembly 136 mm 5-35°	79320.		Top fixture bracket assembly 38-65°	79442
	Eaves fixture bracket assembly 5-35°	76420.		Top fixture bracket assembly for central fixture	79338.
	Eaves fixture bracket assembly 5-35°	79446.		Angled profile 160 x 160 x 12 mm available by the metre undrilled	701809
	Bottom fixture bracket assembly 5-35°	79441.		Flat and angled bracket for eaves fixture	741290 machine finish
	Spacer plate face/top fixture 150 x 136 x 18 mm N.B.! * 200 mm	740831		Spacer tube N.B.! * 120 mm	701653 light grey
	Spacer plate face/top fixture 150 x 136 x 8 mm	730551		Spreader plate for face fixture bracket	78315.
	Decorative plate for external insulation 176 x 190 x 2 mm	71506.			

. = insert RAL colour code no.

* **N.B.!**

Recommended max. = xxx mm

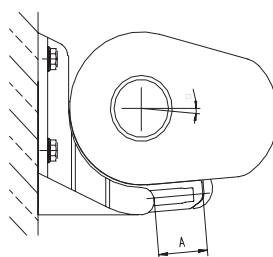
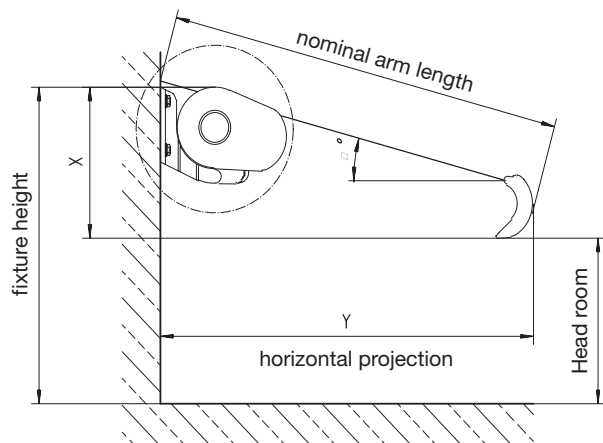
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Important measurements for fitting the markilux® 5005

Measurements may vary slightly.

Angle of pitch / walk-under height

headroom = fixture height – X

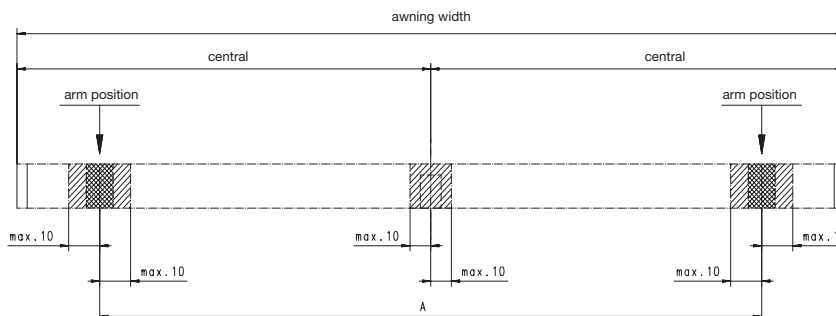


pitch α		arm length in cm							A in mm
		150	200	250	300	350	400		
α 5°	X	26	30	34	38	42	47		51
	Y	148	198	248	298	348	398		
α 10°	X	37	46	55	64	73	81		43
	Y	147	196	245	294	343	393		
α 15°	X	48	61	74	87	100	112		35
	Y	144	192	240	288	336	386		
α 20°	X	59	76	93	110	127	145		27
	Y	141	188	235	282	329	375		
α 25°	X	70	91	112	133	154	176		20
	Y	136	181	226	271	316	362		
α 30°	X	80	105	130	155	180	205		13
	Y	131	174	217	260	303	346		
α 35°	X	90	119	148	177	206	233		6
	Y	125	166	207	248	289	327		

Bracket positions

(2 arms)

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form!



awning width in cm.	arm length in cm.							Brackets
	150	200	250	300	350	400		
250	190	220	—	—	—	—		2
251 – 300	230	230	270	—	—	—		2
301 – 350	270	270	270	320	—	—		2
351 – 400	300	300	300	340	370	—		2
401 – 450	340	340	340	340	390	420	2 only at an arm length of 350	
451 – 500	380	380	390	390	390	435	2 only from an arm length of 250	
501 – 550	440	440	440	440	440	440		3
551 – 600	490	490	490	490	490	—		3
601 – 650	510	510	510	510	—	—		3
minimum width	200	250	300	350	400	450		5

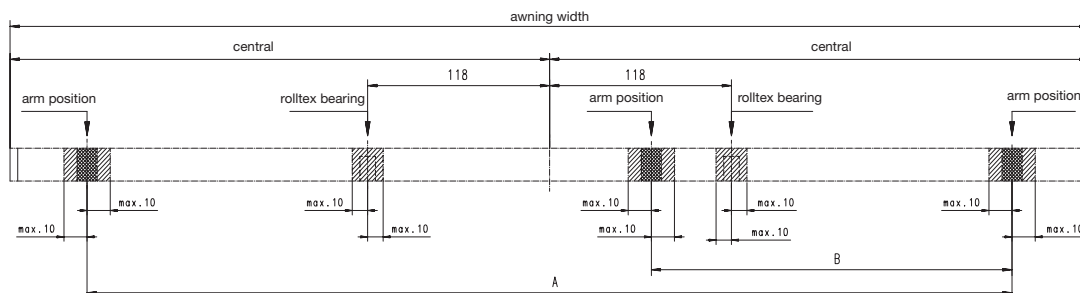
In the case of special arms (surcharge) from an arm length of 200 cm: minimum width - 13 cm

- = range within which brackets should be fixed
- = coupled units **cannot** be fitted with a junction roller
- = coupled units can be fitted with a junction roller where standard sizes are concerned. Please ask in the case of intermediate widths
- = with rolltex bearing from a width of 465 cm

* it is particularly important that these measurements are adhered to in the case of these awning sizes!

Bracket positions

(3 arms)

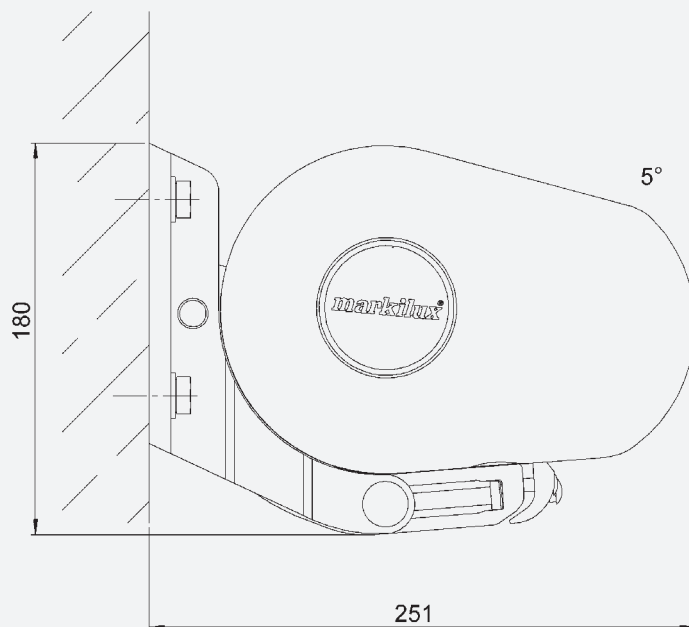
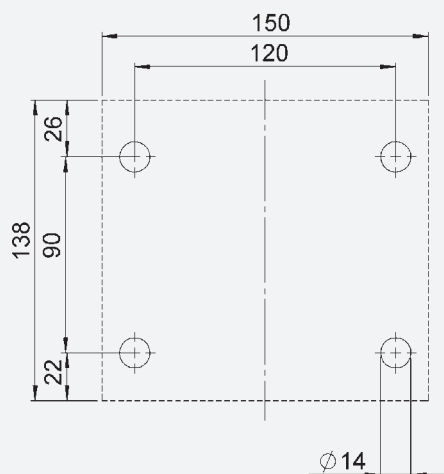


awning width in cm.	measurement A in cm.							measurement B in cm.							Brackets
	150	200	250	300	350	400		150	200	250	300	350	400		
650	—	—	—	—	620	—		—	—	—	—	—	220	—	4
651 – 700	600	600	600	610	620	670		265	240	230	230	225	234		4
minimum width	450	500	550	600	650	700									

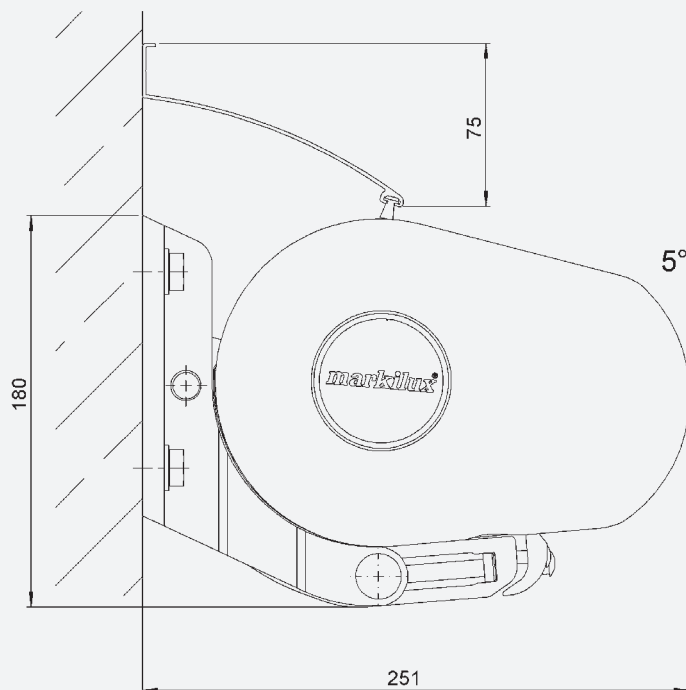
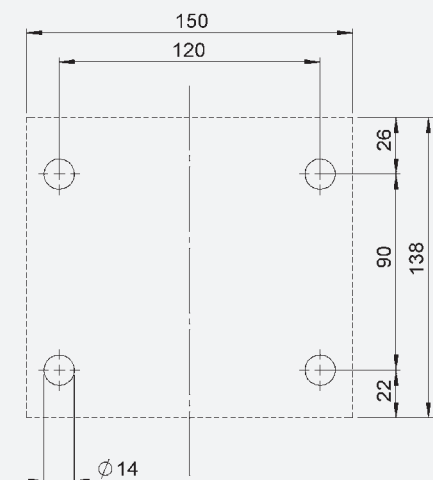
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How to fit the markilux® 5005:



① Face fixture



② Face fixture showing the wall sealing profile

How to fit the markilux® 5005:

