

safe - timeless - beautiful



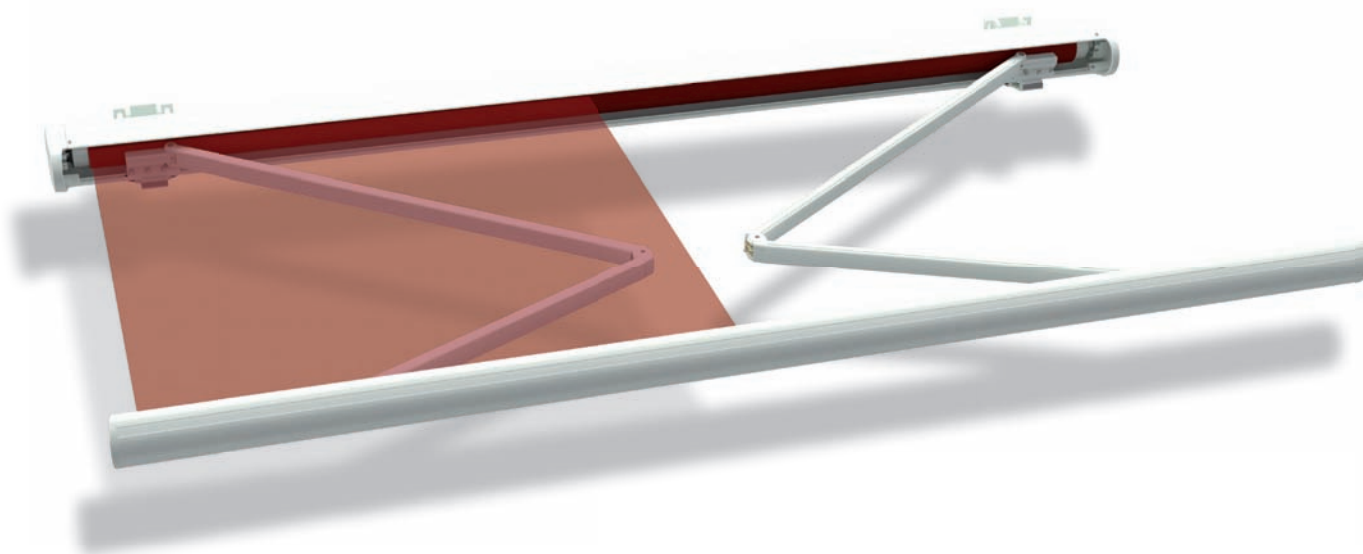
markilux 5010

The cassette awning - slim, strong and simply stylish



markilux

markilux 5010



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The cassette awning - slim, strong and simply stylish

Design features

- the slim cassette awning with the elegant lines - from the design studio
- the cover profile is in the same colour as the cassette; this provides for a closed appearance even when the awning is extended
- attractively shaped, rounded end caps complete the appearance of this slender cassette awning
- attractive brackets; design down to the last detail

Technical highlights

- in spite of its slender shape the superior design of the markilux 5010 means that it is amongst the sturdiest and most robust of full cassette awnings on the market
- the 85 mm roller tube ensures the highest stiffness and the best possible cover winding characteristics even at the largest widths
- awning covers made of acrylic fabric or sunsilk snc with self-cleaning effect
- front profile with integrated gutter and hidden water drainage spouts
- when closed the folding arms are protected from the weather by the cassette

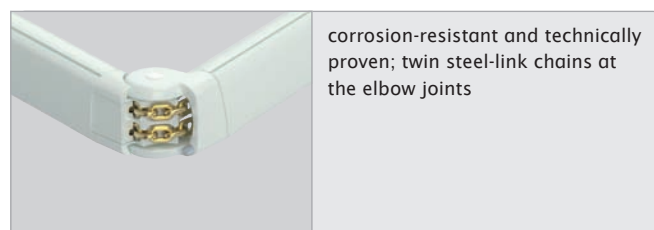
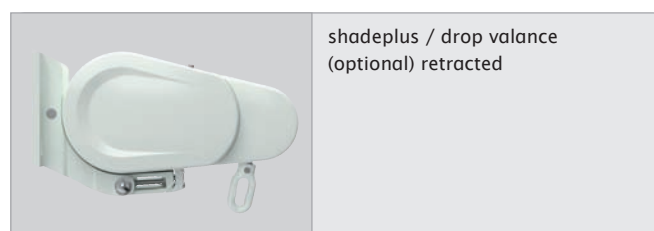
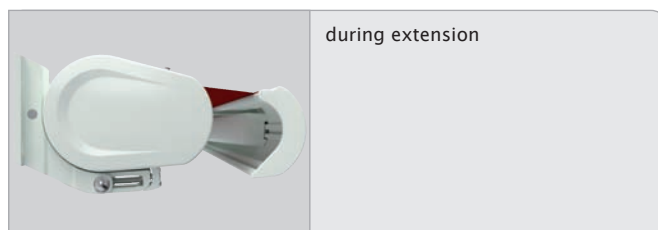
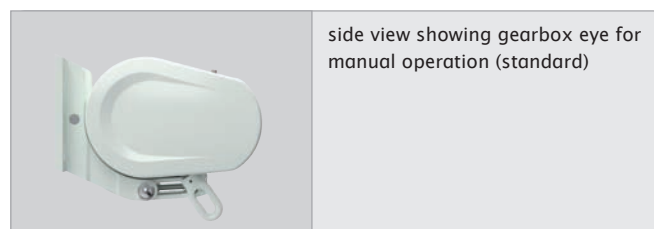
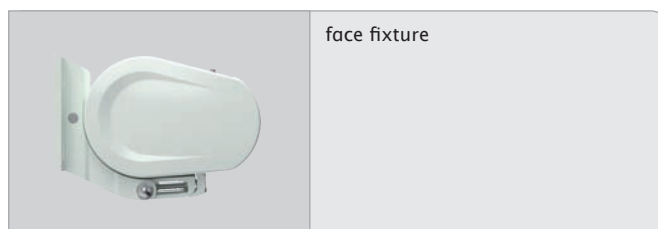
Additional features

- The shadeplus creates an additional room on the patio. Protection from the sun, the wind and inquisitive glances all in one
- radio-controlled motor with radio remote control for ease of use
- hard-wired motor operation (optionally with automatic weather controls) for straightforward and easy operation
- in the case of manual operation ease of use is ensured with the spring-assisted gearbox
- wall sealing profile to cover the gap between awning and wall
- awning available in non-standard RAL colours
- available with a valance

markilux 5010

markilux
Collection

Specification

markilux
ES-1markilux
6000**markilux**
5010markilux
3300 /
3300 purmarkilux
990markilux
1200markilux
1200 stretchmarkilux
1500markilux
1550markilux
1600markilux
1600 stretchmarkilux
1600 pavilion 2markilux
1650markilux
930 swingmarkilux
1000markilux
1000 stretchmarkilux
1100markilux
1300markilux
1300 stretchmarkilux
790markilux
75Optional
AccessoriesTechnical
InformationFitting
Accessories

Standard specification

manual operation with stainless steel winding handle

bonded awning cover

sunsilk snc fabric

sunsilk snc signature fabric

acrylic fabric 34

PVC fabric

Standard frame colours

traffic white - RAL 9016

metallic aluminium - RAL 9006

grey brown - similar to RAL 8019

light ivory - RAL 1015

off-white textured finish - 5233

stone grey metallic - 5215

anthracite metallic - 5204

Optional accessories

hard-wired or radio-controlled motor with remote control

Shadeplus / drop valance

lighting

light and wind sensor

valance

infra-red heater

Vibrabox / Sunis light sensor

coupled units

special powder-coated finish

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markilux 5010

Lounge style line

off-white textured finish



stone grey metallic



anthracite metallic



Frame colours

off-white textured finish - 5233

stone grey metallic - 5215

anthracite metallic - 5204

Front profile end cap alternatively in

polished chrome

markilux 5010

markilux
Collection

Specification

markilux
ES-1markilux
6000**markilux
5010**markilux
3300 /
3300 purmarkilux
990markilux
1200markilux
1200 stretchmarkilux
1500markilux
1550markilux
1600markilux
1600 stretchmarkilux
1600 pavilion 2markilux
1650markilux
930 swingmarkilux
1000markilux
1000 stretchmarkilux
1100markilux
1300markilux
1300 stretchmarkilux
790markilux
75Optional
AccessoriesTechnical
InformationFitting
Accessories

Dimensions and configuration options

projection	awning width										minimum widths				
											motor ¹⁾		manual operation ¹⁾		
	250	300	350	400	450	500	550	600	650	700 ⁴⁾	2 folding arms		3 folding arms	2 folding arms	
	187-250	251-300	301-350	351-400	401-450	451-500	501-550	551-600	601-650	651-700	hard-wired	bespoke arms	hard-wired	hard-wired	bespoke arms
150	6)										200	187	601	200	187
200	6)										250	237	601	250	237
250		6)									300	287	601	300	287
300			6)					2)	5)		350	337	601	350	338
350 ²⁾				6)					4)		400	387	650	400	387
400 ^{2) 3)}					6)						450	437	696	450	437

dimensions in cm

- 1) The dimensions are only valid for fixture without spreader plates (2 folding arms).
 2) A shadeplus is not possible.
 3) Awnings with 4 m extension are only available with motor (surcharge).
 4) Awnings with 3 arms are only available with motor (surcharge).
 5) With 3 folding arms, if it has a Shadeplus / drop valance.
 6) Please note the minimum widths!

Due to the compact awning construction and depending on the width and the projection, contact between cover and folding arms may occur during extension and retraction. This does not have a detrimental effect on the functionality and/or durability of the awning.

-  = available, 2 folding arms
 = available, 2 folding arms, 1 rolltex bearing
 = available, 3 folding arms, 2 rolltex bearings

Operation	
manual operation with stainless steel winding handle	●
servo-assisted operation	○
hard-wired motor	○
radio-controlled motor	○*
Shadeplus / drop valance	
manual operation	○
hard-wired motor	—
radio-controlled motor	—
Lighting	
halogen spotlights	○ ¹
Covers	
sun silk snc (fabric series 324../329..)	●
sun silk snc signature (fabric series 369xx)	●
acrylic 34 (fabric series 341../347..)	●
widely woven acrylic (fabric series 349..)	—
sun silk perla FR (fabric series 374xx/379xx)	○
transolair (fabric series 339..)	—
Soltis 92	○ ²
PVC fabric	● ³
Miscellaneous	
bionic tendon	○
coverboard	—
system coverboard	—
wall sealing profile	○ ⁴
pitch adjustment gear	—
insertable side blind	○
light and wind sensor	○
valance	○
infra-red heater	○
Vibrabox / Sunis light sensor	○
Coupled units	
coupled unit, 2 fields	○ ⁵
coupled unit, 3 fields	○
junction roller	○ ⁶
one-piece cover (on request)	○

- = standard specification
 ○ = optional accessories
 — = not available
 ○* = radio-controlled motor using 433 MHz technology
 ○¹ = with the markilux spotlight
 ○² = up to a maximum projection of 250 cm, up to a maximum width of 600 cm
 ●³ = up to a maximum projection of 250 cm, up to a maximum width of 600 cm
 ○⁴ = wall sealing profile up to a maximum awning pitch of 35°
 ○⁵ = for the minimum widths please consult the section "Technical Information"
 ○⁶ = see bracket fixture range; without inner cover profile

Housing tolerances / Awning cover dimensions	width	projection
housing tolerance	+5 / -15	
awning cover width = width less	160 / 180*	
awning cover length = awning projection plus		150

* for awnings with Shadeplus / drop valance both for the awning and the shadeplus cover
 dimensions in mm

The width of the awning cover is always less than the width of the awning. Please ask us about coupled units.

Awning pitch range: from 5° to 35° or 38° to 65° (to the horizontal).

Definition of the projection: Please consult the section "Technical Information".

In the case of manual operation **approximately 16 winding handle revolutions can be assumed per metre of awning projection.**

The extension time in the case of motor operation is approx. 12 seconds per metre.

Definition of shadeplus drop: The shadeplus drop is measured from the bottom edge of the shadeplus profile to the bottom edge of the valance profile. Due to fabric thickness tolerances the actual drop may be shorter than the nominal drop by up to 5 cm. For the maximum shadeplus drops please consult the section "Technical Information".

A shadeplus is not available with a PVC cover.

Coupled folding-arm awnings are available up to a max. of 3 single units side by side, **however only with a maximum of 6 folding-arms and only operated by motor.**

A coupled unit is available with **junction roller**. Pattern repeat mismatches are possible in the case of junction roller covers.

A junction roller may not fit when the projection is the maximum for the width of each awning. (see also arm separation table)

If coupled blinds are fitted into a **recess** or **reveal** the overall width of the coupled awning must be at least 6 cm less than the width of the opening to allow the awning to be coupled. Make a special note if an awning is to be fitted into a recess or reveal and note the recess/reveal dimensions separately on the order.

A radio-controlled motor in io technology is available, but io control is not available for the spotlight.

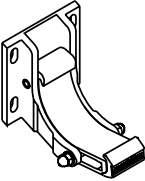
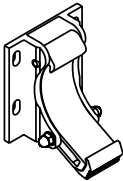
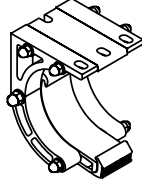
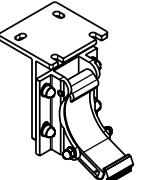
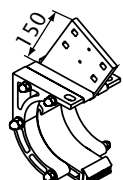
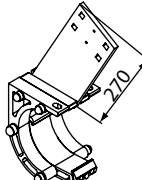
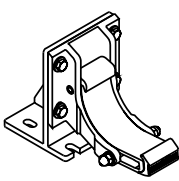
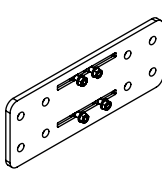
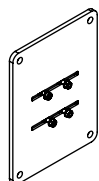
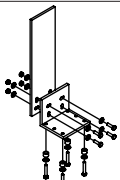
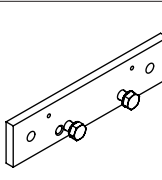
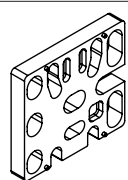
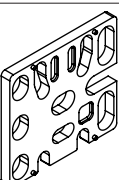
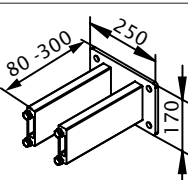
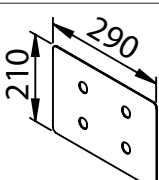
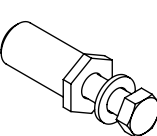
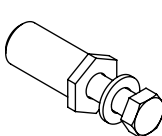
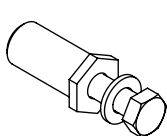
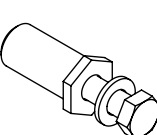
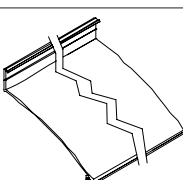
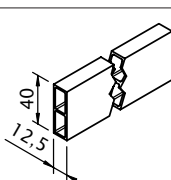
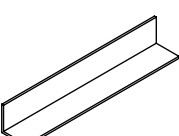
Radio controls are available in io technology - see the section "Optional Accessories".

Frame colours		
traffic white - RAL 9016		●
white aluminium - RAL 9006		●
grey brown - similar to RAL 8019		●
light ivory - RAL 1015		●
off-white textured finish - 5233 (Lounge)		●
nano stone grey metallic - 5215 (Lounge)		●
anthracite metallic - 5204 (Lounge)		●
special powder-coated finish		○

Colours similar to the RAL chart - these may differ slightly from those depicted in both hue and finish.

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Fixtures, fittings and accessories

 The face fixture bracket assembly 150 mm 5° - 35° 77921.	 The face fixture bracket assembly 150 mm 38° - 65° 77936.	 Top fixture bracket assembly 135 mm 5° - 35° 77937.
 Top fixture bracket assembly 150 mm 38° - 65° 77938.	 Eaves fixture bracket assembly 150 mm 5° - 35° 77939.	 Eaves fixture bracket assembly 270 mm 5° - 35° 77940.
 Bottom fixture bracket assembly 5° - 35° 77941.	 Spreader plate A (including bracket bolts) 160 x 430 x 12 mm 75328.	 Spreader plate B (including bracket bolts) 300 x 400 x 12 mm 75327.
 Flat plate and angled bracket for eaves fixture machine finish 741290	 Additional eaves fixture plate assembly 60 x 260 x 12 mm 75383.	 Spacer plate face/top fixture 136 x 150 x 20 mm N.B.! stack to a max. of 200 mm (please refer to the section "Technical Information") 716331
 Spacer plate face/top fixture 136 x 150 x 12 mm (please refer to the section "Technical Information") 71644.	 Spacer bracket for face fixture bracket 77921. and 77936. (please refer to the section "Technical Information") 77969.	 Cover plate for installation with spacer plates and spacer brackets in the case of external insulation 210 x 290 x 2 mm (please refer to the section "Technical Information") 71841.
 Bolt reduction assembly M 16 - M 12 / SW 27 50 mm length (please refer to the section "Technical Information") 753891	 Bolt reduction assembly M 16 - M 10 / SW 27 50 mm length (please refer to the section "Technical Information") 754921	 Bolt reduction assembly M 12 - M 10 / SW 27 50 mm length (please refer to the section "Technical Information") 754911
 Bolt reduction assembly M 10 - M 10 / SW 27 50 mm length (please refer to the section "Technical Information") 754901	 Wall sealing profile available by the metre fixture example: see face fixture with wall sealing profile 77780.	 Stand-off strip for wall sealing profile available by the metre fixture example: see face fixture with wall sealing profile 751971
 Angled profile Eaves fixture 160 x 160 x 12 mm available by the metre, undrilled 701809		

. = Please insert the RAL No. (please refer to the section on "Coatings")

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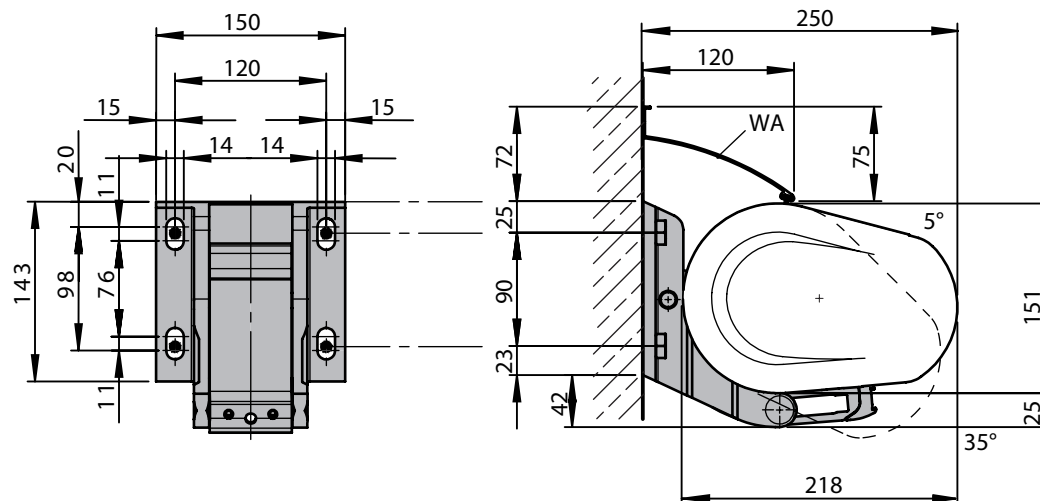
Face fixture

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate										
H [cm]	M [cm]										M [cm]										
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700	
FB [N]											FB [N]										
150	505	583	661	739	816	894	972	1050	1127	935	578	667	756	845	934	1023	1112	1201	1290	1070	
200	834	957	1079	1202	1324	1447	1569	1692	1815	1603	955	1095	1235	1376	1516	1656	1796	1936	2077	1834	
250	---	1364	1541	1717	1894	2071	2247	2424	2937	2622	---	1561	1763	1965	2167	2370	2572	2774	3361	3001	
300	---	---	2079	2319	2559	2799	3447	3726	4004	3597	---	---	2379	2654	2929	3204	3945	4264	4582	4117	
350	---	---	---	3101	3415	4231	4596	4961	4653	4929	---	---	---	3549	3908	4842	5260	5678	5326	5642	
400	---	---	---	---	4874	5337	5801	---	---	6233	---	---	---	---	5578	6108	6638	---	---	7133	
HT BHT	2 150 mm				3 150mm				4 150 mm		2 150 mm				3 150mm				4 150 mm		
BM	8				12				16		8				12				16		

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 90 mm. If this measurement is reduced, the pull-out force increases by 2% in the case of **compression-proof substrates** and by 19% in the case of **non-compression-proof substrates**.

- M = overall awning width
 H = projection
 FB = pull-out force per fixing point
 HT | BHT = bracket quantity | width
 BM = no. of fixing points
 WA = wall sealing profile



dimensions in mm

markilux 5010

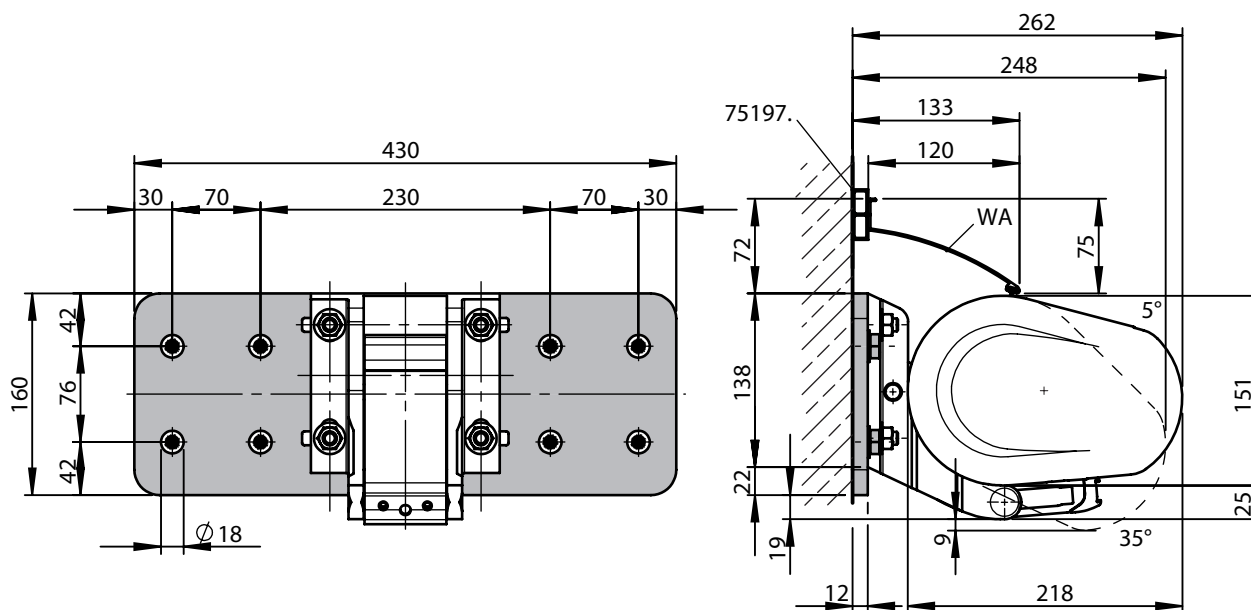
Face fixture with spreader plate A

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate										non compression-proof substrate									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
FB [N]																				
150	244	282	319	357	394	432	469	507	544	428	347	400	453	507	560	613	667	720	773	608
200	402	461	520	579	638	697	756	815	874	725	571	655	739	822	906	990	1074	1158	1241	1031
250	---	656	741	825	910	995	1080	1165	1412	1195	---	932	1052	1173	1294	1414	1535	1655	2006	1699
300	---	---	998	1113	1229	1344	1655	1789	1922	1641	---	---	1418	1582	1746	1910	2352	2542	2732	2332
350	---	---	---	1488	1638	2030	2205	2380	2100	2233	---	---	---	2114	2328	2884	3133	3382	2985	3174
400	---	---	---	---	2337	2559	2781	---	---	2827	---	---	---	---	3320	3636	3952	---	---	4017
HT BHT	2 150 mm				3 150 mm				4 150 mm		2 150 mm				3 150 mm				4 150 mm	
BP	2				2				3		2				2				3	
DP	---				1				1		---				1				1	
BM	16				20				28		16				20				28	

The pull-out force refers to the vertical centre to centre measurement between the fixing points of 76 mm. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = overall awning width
 H = projection
 FB = pull-out force per fixing point
 HT | BHT = bracket quantity | width
 BP = no. of spreader plates
 DP = no. of spacer plates
 BM = no. of fixing points
 WA = wall sealing profile
 75197 = stand-off strip for wall sealing profile



dimensions in mm

markilux 5010

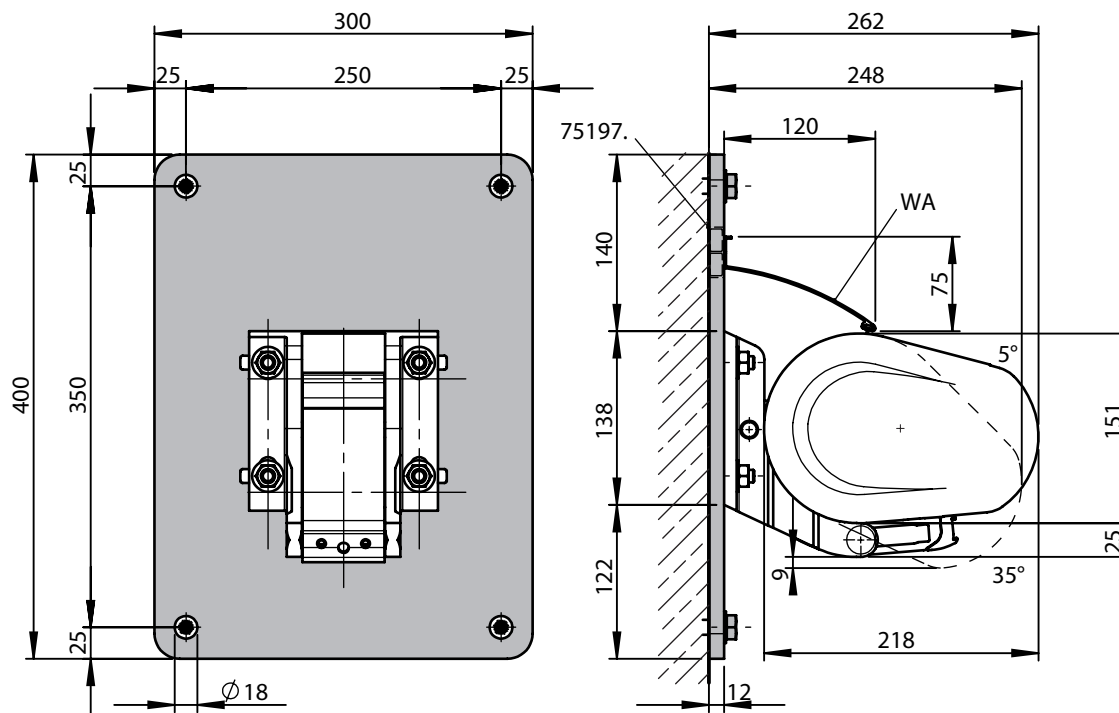
Face fixture with spreader plate B

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate										
H [cm]	M [cm]										M [cm]										
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700	
FB [N]											FB [N]										
150	144	167	189	211	233	255	278	300	322	253	151	174	197	220	243	266	289	313	336	264	
200	238	273	308	342	377	412	447	482	517	429	248	284	321	357	394	430	466	503	539	448	
250	---	388	438	488	539	589	639	689	835	707	---	405	457	509	562	614	667	719	871	738	
300	---	---	591	659	727	795	979	1059	1138	971	---	---	616	687	758	829	1021	1104	1186	1013	
350	---	---	---	880	969	1201	1305	1408	1243	1322	---	---	---	918	1011	1253	1361	1469	1296	1378	
400	---	---	---	---	1383	1514	1646	---	---	1673	---	---	---	---	1442	1579	1716	---	---	1744	
HT BHT	2 150 mm				3 150 mm				4 150 mm		2 150 mm				3 150 mm				4 150 mm		
BP	2				2				3		2				2				3		
DP	---				1				1		---				1				1		
BM	8				12				16		8				12				16		

The pull-out force refers to the vertical centre to centre measurement between the fixing points of 350 mm. In the case of spreader plates a washer conforming to DIN 9021 must be used.

M = overall awning width
H = projection
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BP = no. of spreader plates
DP = no. of spacer plates
BM = no. of fixing points
75197 = stand-off strip for wall sealing profile



dimensions in mm

markilux 5010

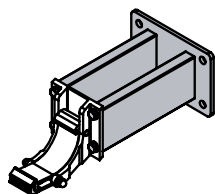
Face fixture with stand-off brackets

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

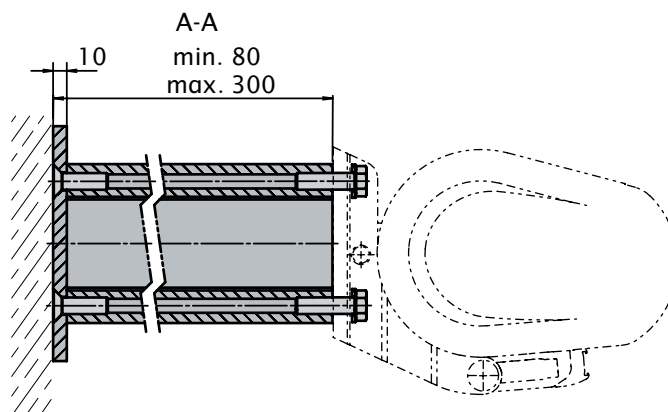
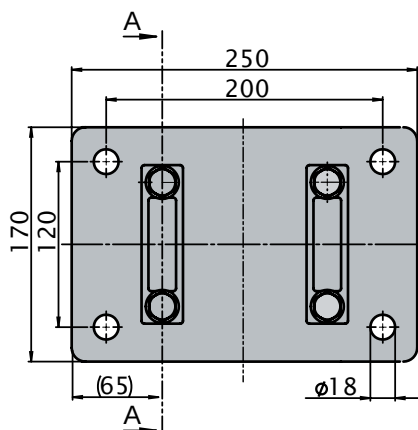
H [cm]	compression-proof substrate										non compression-proof substrate									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
150	FB [N]										FB [N]									
150	506	583	659	736	813	890	966	1043	1120	881	569	656	742	828	915	1001	1087	1174	1260	991
200	793	909	1024	1139	1254	1369	1485	1600	1715	1424	893	1022	1152	1281	1411	1541	1670	1800	1929	1602
250	---	1250	1411	1572	1733	1893	2054	2215	2691	2278	---	1406	1587	1768	1949	2130	2311	2492	3027	2563
300	---	---	1857	2070	2284	2497	3082	3331	3579	3054	---	---	2089	2329	2569	2810	3467	3747	4026	3436
350	---	---	---	2719	2992	3714	4033	4353	3841	4084	---	---	---	3059	3366	4178	4538	4897	4321	4595
400	---	---	---	---	4215	4615	5015	---	---	5097	---	---	---	---	4742	5192	5642	---	---	5734
HT BHT	2 150 mm			3 150 mm			4 150 mm				2 150 mm			3 150 mm			4 150 mm			
DH	2			3			4				2			3			4			
77969.																				
BM	8			12			16				8			12			16			

The pull-out force refers to the vertical centre to centre measurement between the fixing points of 120 mm. In the case of spacer plates a washer conforming to DIN 9021 must be used.

M = overall awning width
H = projection
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BM = no. of fixing points
DH = no. of spacer brackets
77969. = spacer brackets for face fixture brackets 77921. and 77936.



77969.



dimensions in mm

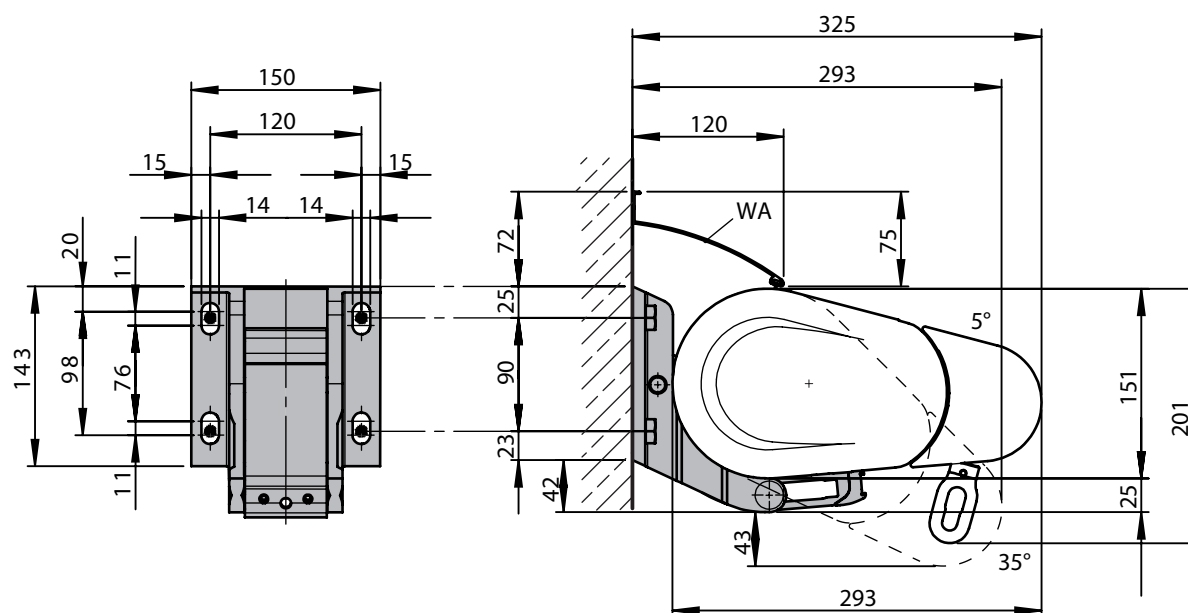
Face fixture with shadeplus

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate										non compression-proof substrate									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
150	FB [N]										FB [N]									
150	818	958	1098	1239	1379	1519	1659	1800	1940	1579	936	1097	1257	1418	1578	1739	1899	2060	2220	1807
200	1251	1457	1663	1869	2074	2280	2486	2692	2898	2510	1432	1667	1903	2139	2374	2610	2845	3081	3316	2873
250	---	1989	2270	2551	2831	3112	3393	3674	4291	3777	---	2276	2598	2919	3240	3562	3883	4205	4911	4322
300	---	---	2954	3319	3684	4049	4822	---	---	4994	---	---	3380	3798	4216	4634	5519	---	---	5715
HT BHT	2 150 mm					3 150 mm			4 150 mm		2 150 mm					3 150 mm			4 150 mm	
BM	8					12			16		8					12			16	

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 90 mm. If this measurement is reduced, the pull-out force increases by 2% in the case of **compression-proof substrates** and by 19% in the case of **non-compression-proof substrates**.

M = overall awning width
H = projection
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BM = no. of fixing points
WA = wall sealing profile



dimensions in mm

markilux 5010

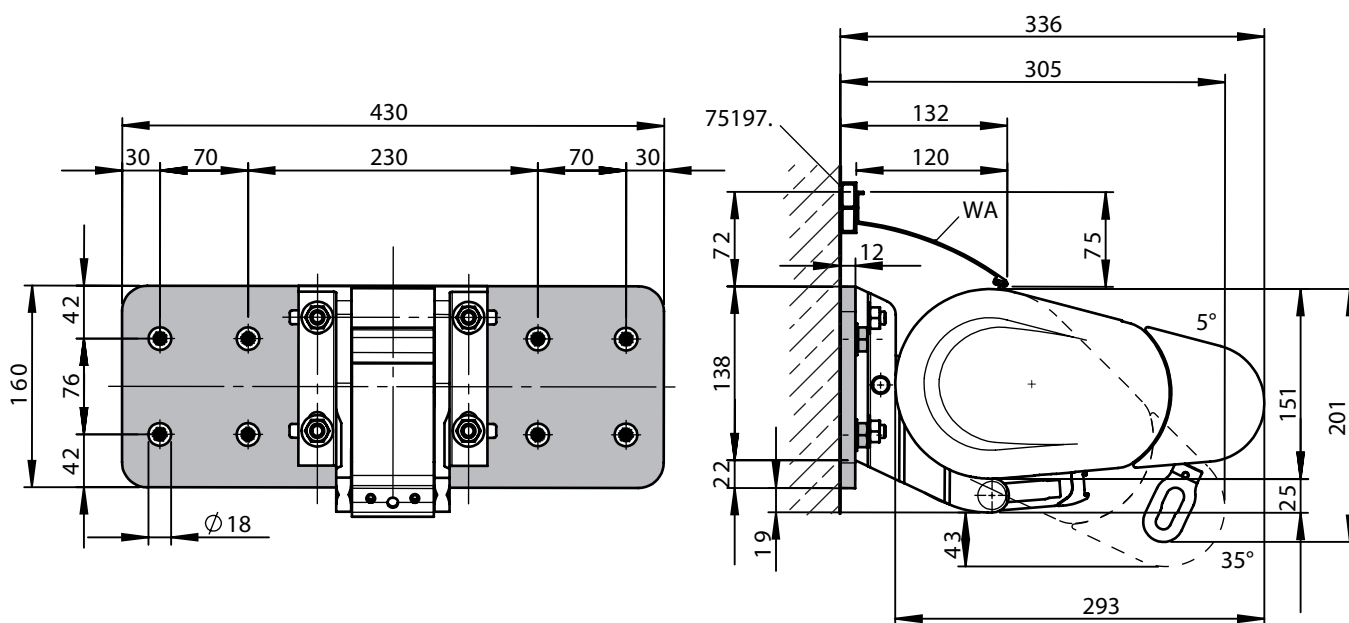
Face fixture with shadeplus and spreader plate A

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate										non compression-proof substrate									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
FB [N]																				
150	394	462	529	597	664	732	800	867	935	738	560	656	752	848	944	1040	1136	1232	1328	1048
200	602	701	800	899	997	1096	1195	1294	1393	1161	855	996	1136	1277	1417	1558	1699	1839	1980	1650
250	---	955	1090	1225	1360	1494	1629	1764	2060	1749	---	1357	1549	1740	1932	2123	2315	2507	2928	2485
300	---	---	1417	1592	1767	1942	2313	---	---	2309	---	---	2014	2262	2511	2760	3288	---	---	3282
HT BHT	2 150 mm			3 150 mm			4 150 mm				2 150 mm			3 150 mm			4 150 mm			
BP	2			2			3				2			2			3			
DP	---			1			1				---			1			1			
BM	16			20			28				16			20			28			

The pull-out force refers to the vertical centre to centre measurement between the fixing points of 76 mm. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = overall awning width
 H = projection
 FB = pull-out force per fixing point
 HT | BHT = bracket quantity | width
 BP = no. of spreader plates
 DP = no. of spacer plates
 BM = no. of fixing points
 WA = wall sealing profile
 75197 = stand-off strip for wall sealing profile



dimensions in mm

markilux 5010

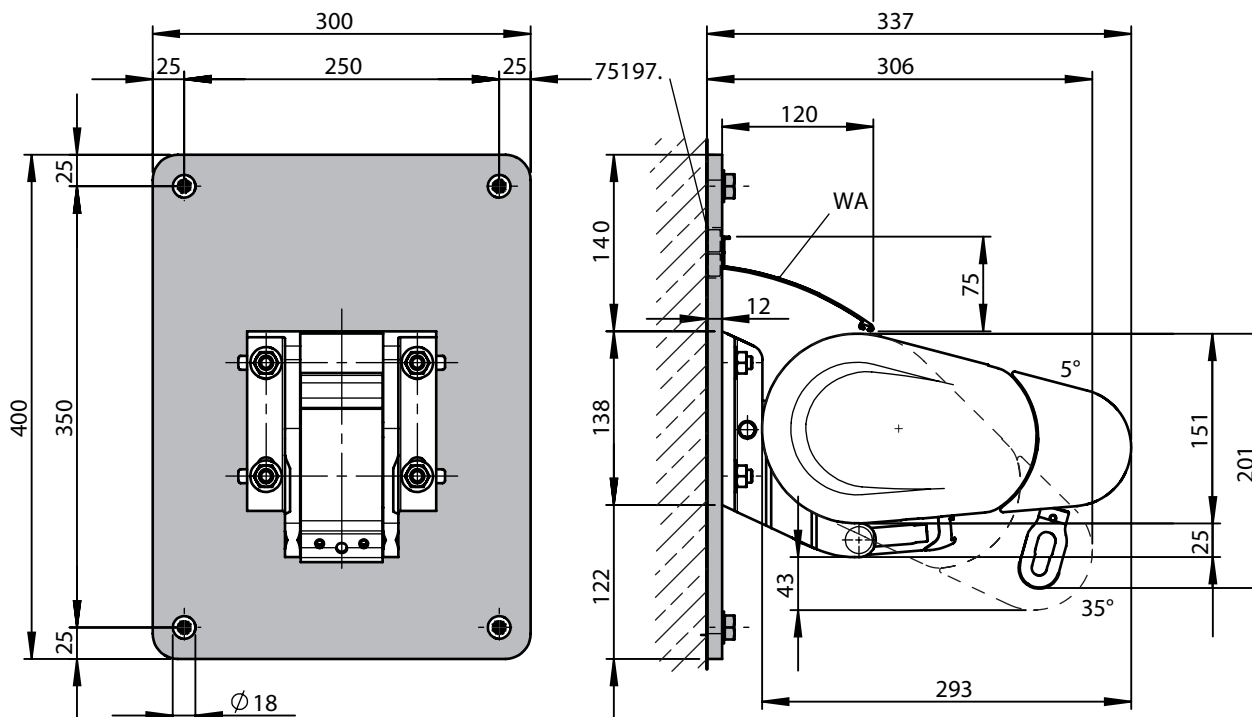
Face fixture with shadeplus and spreader plate B

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate										
H [cm]	M [cm]										M [cm]										
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700	
FB [N]											FB [N]										
150	233	273	313	353	393	433	473	513	553	437	243	285	327	368	410	452	493	535	577	455	
200	356	415	473	532	590	649	707	766	824	687	371	432	493	555	616	677	738	799	860	716	
250	---	565	645	725	805	884	964	1044	1219	1035	---	589	673	756	839	922	1005	1089	1272	1079	
300	---	---	839	942	1046	1149	1369	---	---	1367	---	---	874	983	1091	1199	1428	---	---	1425	
HT BHT	2 150 mm				3 150 mm				4 150 mm		2 150 mm				3 150 mm				4 150 mm		
BP	2				2				3		2				2				3		
DP	---				1				1		---				1				1		
BM	8				12				16		8				12				16		

The pull-out force refers to the vertical centre to centre measurement between the fixing points of 350 mm. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = overall awning width
 H = projection
 FB = pull-out force per fixing point
 HT | BHT = bracket quantity | width
 BP = no. of spreader plates
 DP = no. of spacer plates
 BM = no. of fixing points
 75197 = stand-off strip for wall sealing profile



dimensions in mm

markilux 5010

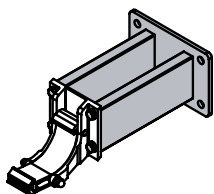
Face fixture for Shadeplus / drop valance with stand-off brackets

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

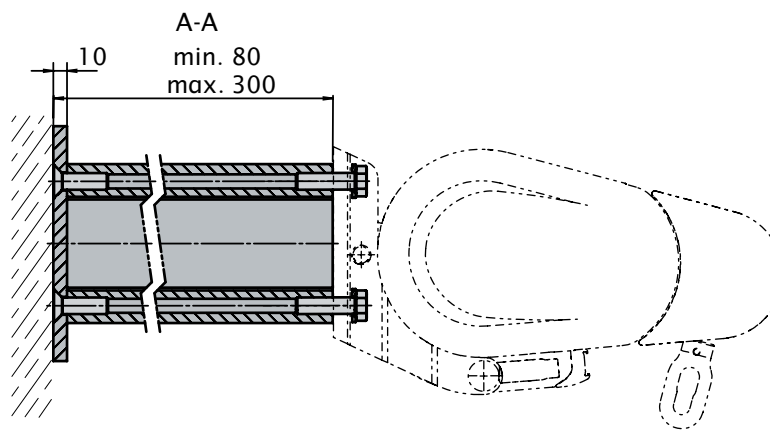
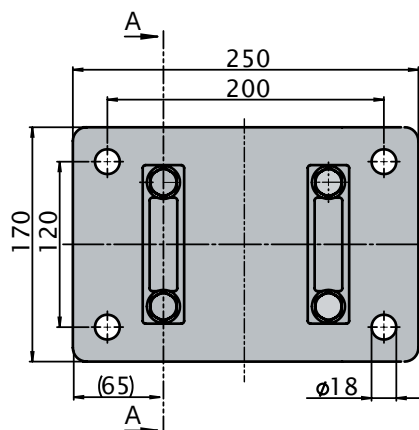
H [cm]	compression-proof substrate										non compression-proof substrate									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
150	FB [N]										FB [N]									
150	506	583	659	736	813	890	966	1043	1120	881	569	656	742	828	915	1001	1087	1174	1260	991
200	793	909	1024	1139	1254	1369	1485	1600	1715	1424	893	1022	1152	1281	1411	1541	1670	1800	1929	1602
250	---	1250	1411	1572	1733	1893	2054	2215	2691	2278	---	1406	1587	1768	1949	2130	2311	2492	3027	2563
300	---	---	1857	2070	2284	2497	3082	3331	3579	3054	---	---	2089	2329	2569	2810	3467	3747	4026	3436
350	---	---	---	2719	2992	3714	4033	4353	3841	4084	---	---	---	3059	3366	4178	4538	4897	4321	4595
400	---	---	---	---	4215	4615	5015	---	---	5097	---	---	---	---	4742	5192	5642	---	---	5734
HT BHT	2 150 mm			3 150 mm			4 150 mm				2 150 mm			3 150 mm			4 150 mm			
DH	2			3			4				2			3			4			
77969.																				
BM	8			12			16				8			12			16			

The pull-out force refers to the vertical centre to centre measurement between the fixing points of 120 mm. In the case of spacer plates a washer conforming to DIN 9021 must be used.

M = overall awning width
H = projection
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BM = no. of fixing points
DH = no. of spacer brackets
77969. = spacer brackets for face fixture brackets 77921. and 77936.



77969.



dimensions in mm

markilux 5010

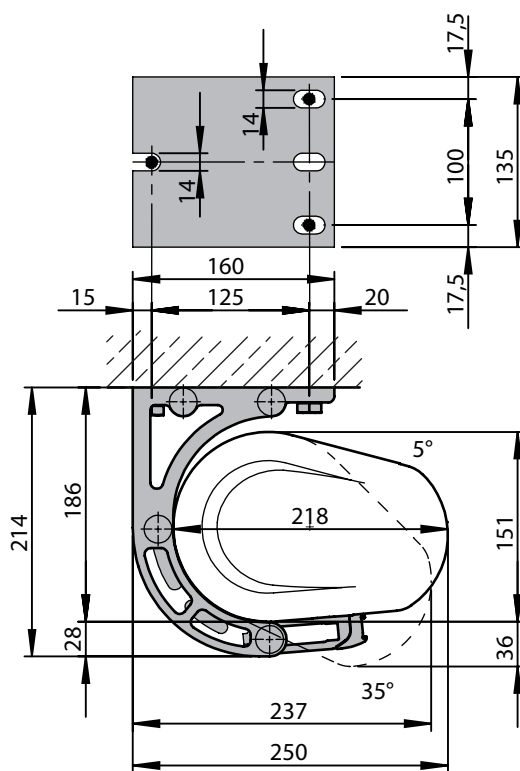
Top fixture

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate										
	M [cm]										M [cm]										
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700	
H [cm]	FB [N]										FB [N]										
150	463	537	611	685	759	833	908	982	1056	916	479	555	632	709	785	862	938	1015	1091	945	
200	724	833	943	1052	1162	1271	1381	1491	1600	1445	750	864	977	1090	1204	1317	1431	1544	1658	1496	
250	---	1156	1308	1461	1613	1766	1918	2070	2489	2252	---	1199	1357	1515	1673	1831	1989	2147	2582	2335	
300	---	---	1734	1937	2140	2343	2869	3102	3335	3025	---	---	1800	2011	2221	2432	2978	3220	3462	3139	
350	---	---	---	2557	2818	3477	3779	4081	3849	4081	---	---	---	2656	2926	3611	3925	4238	3997	4237	
400	---	---	---	---	3974	4354	4733	---	---	5114	---	---	---	---	4129	4523	4917	---	---	5311	
HT BHT	2 135 mm				3 135 mm				4 135 mm		2 135 mm				3 135 mm				4 135 mm		
BM	6				9				12		6				9				12		

The pull-out force refers to the horizontal centre to centre measurement between the fixture points of 125 mm.

M = overall awning width
H = projection
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BM = no. of fixing points



dimensions in mm

markilux 5010

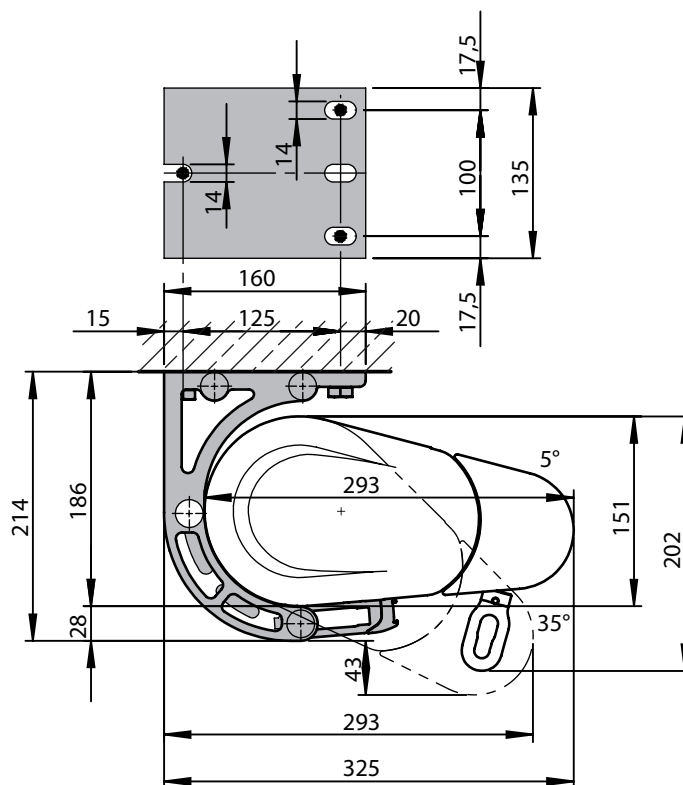
Top fixture with shadeplus

Pull-out force [N=Newton] per upper fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate										non compression-proof substrate									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
150	711	834	958	1081	1205	1329	1452	1576	1699	1426	736	865	993	1121	1249	1377	1505	1633	1761	1476
200	1054	1229	1405	1581	1756	1932	2107	2283	2459	2164	1093	1276	1458	1640	1822	2004	2186	2368	2550	2244
250	---	1651	1886	2121	2356	2591	2826	3061	3562	3167	---	1714	1958	2202	2446	2690	2933	3177	3698	3287
300	---	---	2428	2730	3031	3333	3958	---	---	4132	---	---	2521	2835	3148	3462	4111	---	---	4290
HT BHT	2 135 mm				3 135 mm				4 135 mm		2 135 mm				3 135 mm				4 135 mm	
BM	6				9				12		6				9				12	

The pull-out force refers to the horizontal centre to centre measurement between the fixture points of 125 mm.

M = overall awning width
H = projection
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BM = no. of fixing points



dimensions in mm

markilux 5010

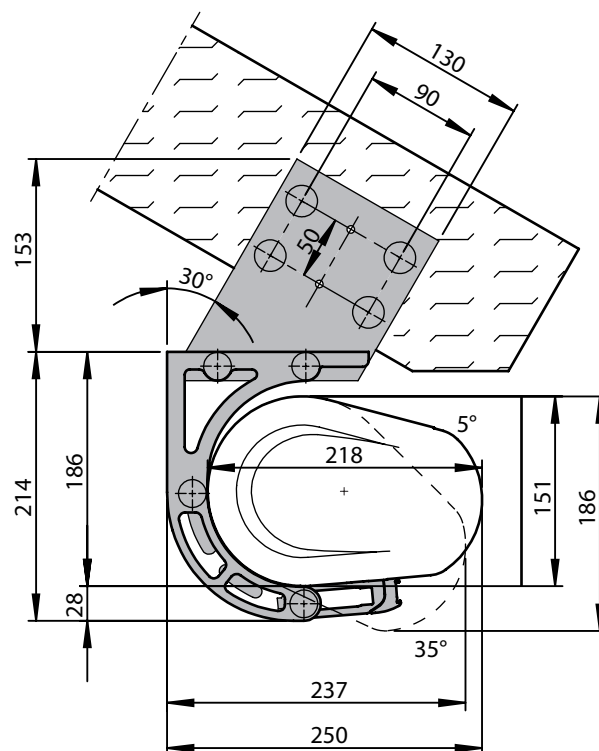
Eaves fixture

Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque										Shear force									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
Md [Nm]											FS [N]									
150	104	120	136	152	168	184	200	216	232	193	1282	1485	1688	1891	2094	2297	2499	2702	2905	2490
200	172	197	222	248	273	298	323	349	374	330	2035	2340	2646	2951	3257	3562	3867	4173	4478	4018
250	---	281	317	354	390	427	463	499	605	540	---	3272	3701	4131	4560	4989	5419	5848	7046	6351
300	---	---	428	478	527	577	710	767	825	741	---	---	4933	5508	6082	6657	8165	8828	9490	8584
350	---	---	---	639	703	872	947	1022	959	1015	---	---	---	7299	8040	9934	10795	11655	10976	11633
400	---	---	---	---	1004	1099	1195	---	---	1284	---	---	---	---	11381	12466	13552	---	---	14617
HT	2				3				4		2				3				4	
BM	8				12				16		8				12				16	

The shear force is calculated on the basis of 2 fixing points per bracket, because - depending on the roof pitch - it cannot be guaranteed that 4 fixing points per bracket can be used.

M	= overall awning width
H	= projection
Md	= torque value for the bracket next to the arm
HT	= bracket
FS	= shear force
BM	= no. of fixing points



dimensions in mm

markilux 5010

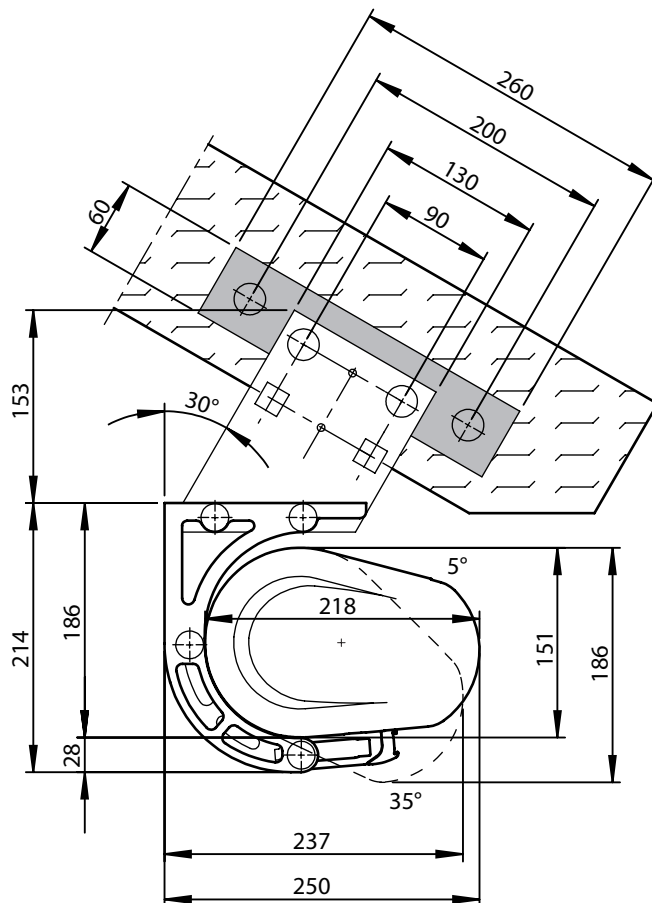
Eaves fixture with additional plate

Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque										Shear force									
	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
	Md [Nm]										FS [N]									
150	104	120	136	152	168	184	200	216	232	193	646	751	856	961	1066	1171	1276	1381	1486	1313
200	172	197	222	248	273	298	323	349	374	330	984	1136	1287	1438	1589	1740	1892	2043	2194	2001
250	---	281	317	354	390	427	463	499	605	540	---	1555	1762	1969	2176	2383	2590	2797	3350	3050
300	---	---	428	478	527	577	710	767	825	741	---	---	2316	2588	2861	3133	3826	4137	4449	4055
350	---	---	---	639	703	872	947	1022	959	1015	---	---	---	3394	3742	4608	5009	5410	5118	5427
400	---	---	---	---	1004	1099	1195	---	---	1284	---	---	---	---	5245	5747	6250	---	---	6770
HT	2				3				4				2				3			
BM	4				6				8				4				6			

By using the additional flat fixture plate, the shear force is reduced in comparison with conventional eaves fixture.

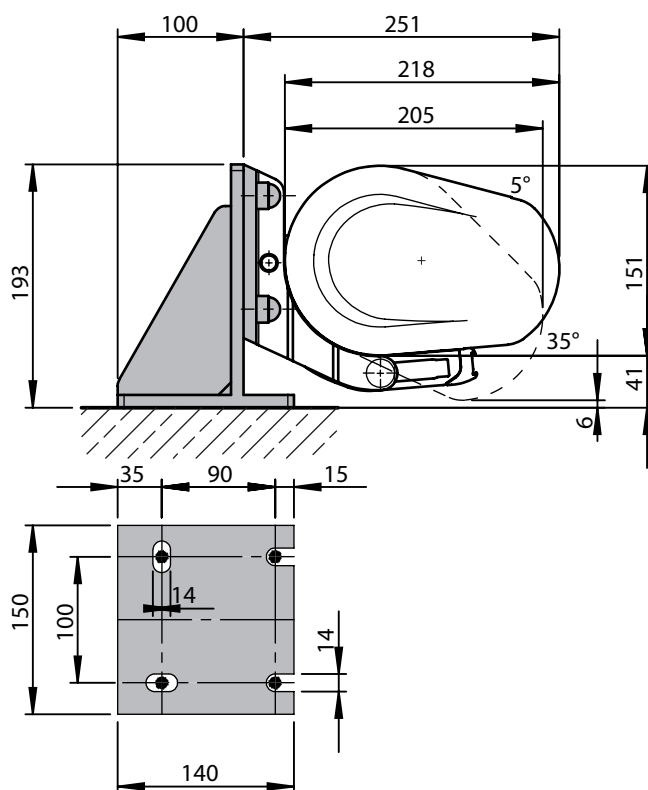
- M = overall awning width
 H = projection
 Md = torque value for the bracket next to the arm
 HT = bracket
 FS = shear force
 BM = no. of fixing points



dimensions in mm

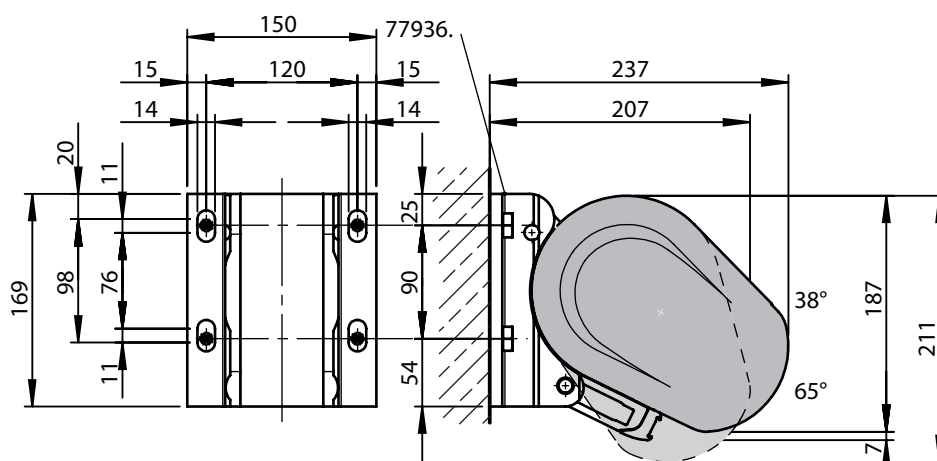
markilux 5010

Bottom fixture



dimensions in mm

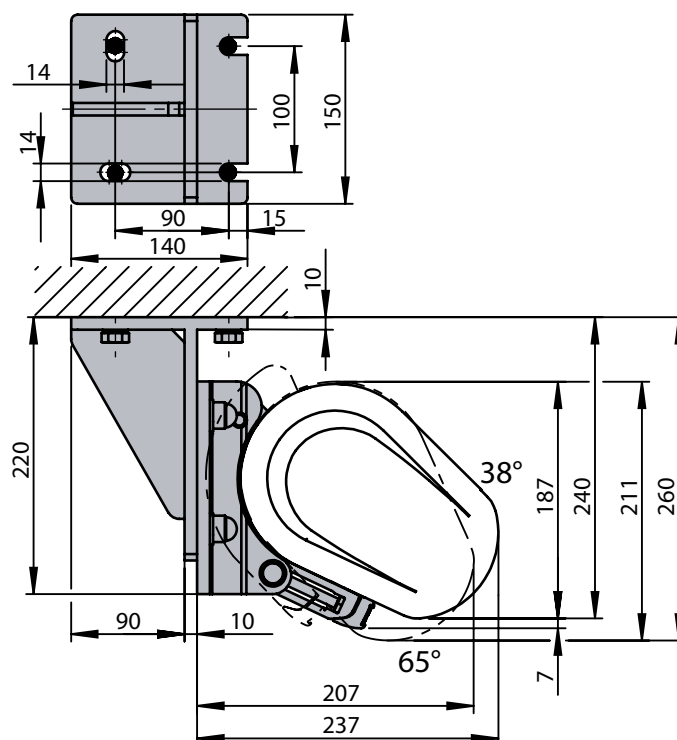
Face fixture, dimensions at pitches of 38° to 65°



dimensions in mm

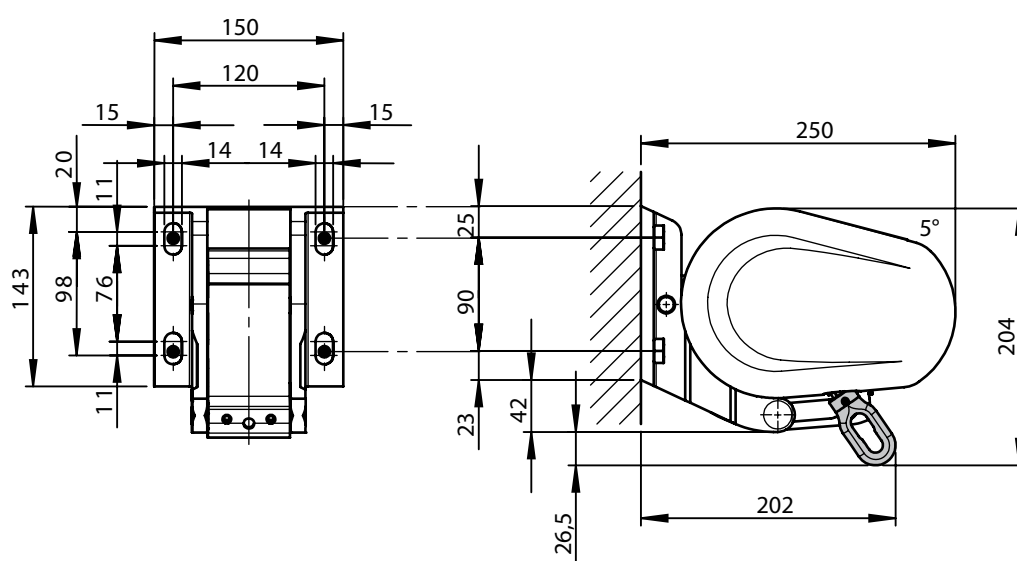
markilux 5010

Top fixture at pitches of 38° to 65°



dimensions in mm

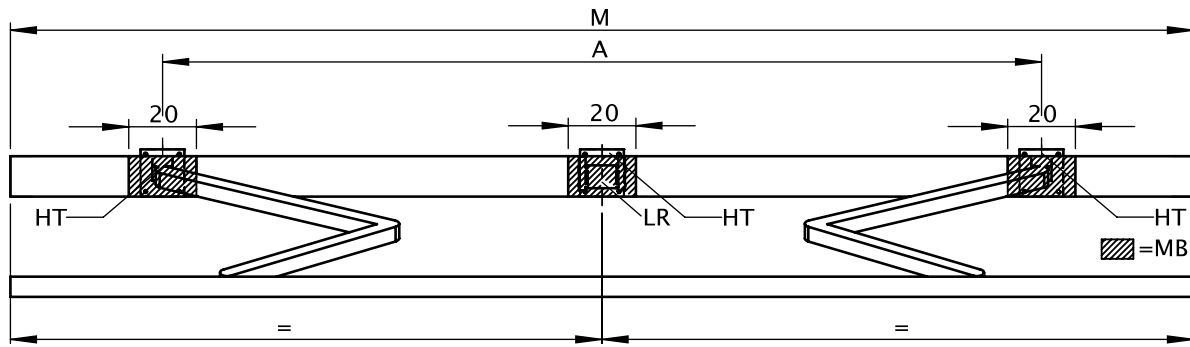
Face fixture with manual operation



dimensions in mm

markilux 5010

Bracket range for awnings with 2 folding arms



dimensions in cm

M [cm]	SB ZB	250 187-250	300 251-300	350 301-350	400 351-400	450 401-450	500 451-500	550 501-550	600 551-600	650 601-650
		A [cm]								
H [cm]	150	172 ■	220	270	300	340	380	440	490	510
	200	222 ▲	223 ■	270	300	340	380	440	490	510
	250	---	272 ▲	273 ■	300	340	390	440	490	510
	300	---	---	322 ▲	323 ■	340	390	440	490	510
	350	---	---	---	372 ▲	373 ■	390	440	490	---
	400	---	---	---	---	422 ▲	423 ▲	440 ■	---	---
W	HT BHT	150 mm	2			3				
DE/DA	HT BHT	135 mm	2			3				

dimensions in cm

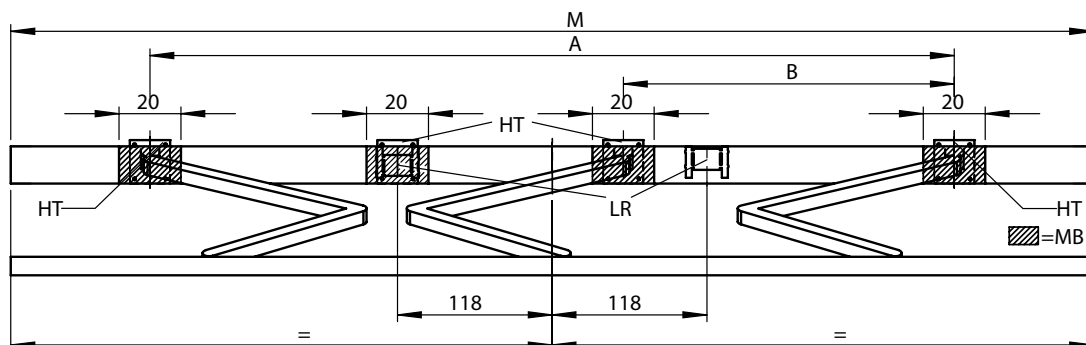
- ▲ = please note the minimum widths, dimension A is only valid for standard arms! (Dimension A is 13 cm smaller in the case of bespoke arms.)
Coupled units are not available with junction roller.
- = coupled units are only available with junction roller in the standard widths, in the case of other widths please ask us.

- M = overall awning width
H = projection
A = arm position
HT = bracket
HT | BHT = bracket quantity | width
MB = bracket fixture range
W = face fixture
DE/DA = top fixture and eaves fixture
SB = standard width
ZB = intermediate width
LR = rolltex bearing with bracket is always placed under a central seam

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

markilux 5010

Bracket range for awnings with 3 folding arms



dimensions in cm

M [cm]	SB ZB	650				700								KM [cm]	
		601-650		650		651-674		675-700		651-692		700			
H [cm]	HT	A [cm]	B [cm]	A [cm]	B [cm]	A [cm]	B [cm]	A [cm]	B [cm]	A [cm]	B [cm]	A [cm]	B [cm]	KM [cm]	
		150	---	---	---	---	570	265	590	265	---	---	---		---
		200	---	---	---	---	570	240	590	240	---	---	---		---
		250	---	---	---	---	570	230	590	230	---	---	---		---
		300	570 ▲	230 ▲	---	---	570	230	590	230	---	---	---		---
		350	---	---	618 ▲	220 ▲	---	---	---	---	618 ▲	225 ▲	633		230
W	BHT	150mm	4											KM [cm]	
		135mm	4												

dimensions in cm

▲ = coupled units are not available with a junction roller.

■ = coupled units are not possible.

M = overall awning width

H = projection

A = arm position

B = arm position

HT = bracket

HT | BHT = bracket quantity | width

MB = bracket fixture range

W = face fixture

DE/DA = top fixture and eaves fixture

SB = standard width

ZB = intermediate width

KM = minimum awning width

LR = rolltex bearing with bracket is always placed under a central seam

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

markilux 5010

markilux spotline for the markilux 5010



The light bar with fixture brackets for the cassette

With the markilux spotline the area underneath the awning is bathed evenly in a pleasant light.

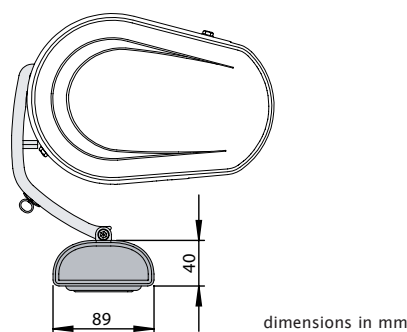
Die markilux spotline can be fitted or retrofitted to the cassette of the markilux 5010 using additional brackets.

The built-in spotlights can be adjusted individually - they can be rotated through 360° and tilted up to 60°.

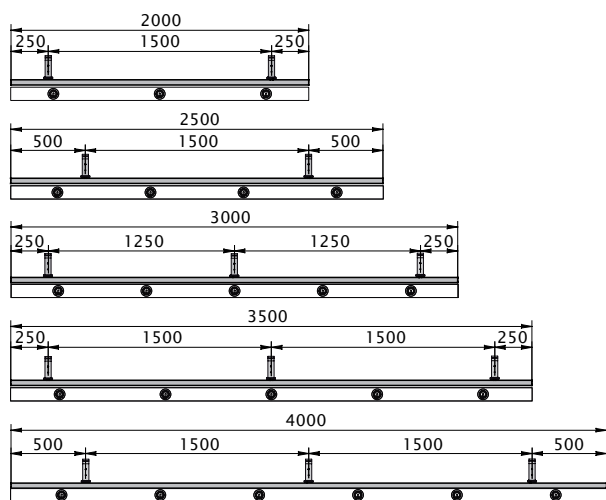
Apart from the standard colours the cassette can - for a small surcharge - also be powder coated in other RAL colours to match the awning.

The markilux spotline is controlled via an On/Off switch. It is wired to the mains by means of a connecting plug (Hirschmann).

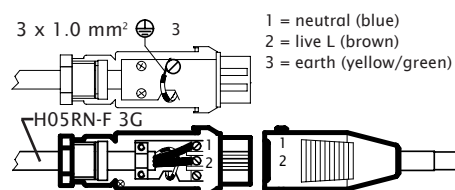
Consequently it is very quick to fit. With the brackets already attached, the markilux spotline is suspended from the back joint in the cassette housing. It is then adjusted and tightened in place. The power supply cable is secured using self-adhesive cable clips.



III. 1: side view of the markilux 5010 with spotline



III. 2: quantity of brackets and their separations from one another



III. 3: connecting plug (Hirschmann)

Technical specifications

power supply	(230 V 50 Hz)				
ingress protection rating	IP44 / I				
power supply wire cross section	H05RN-F 3G 3 x 1.0 mm ²				
power output (per spotlight)	20 W				
length (mm)	200	250	300	350	400
depth x height (mm)	89 x 40				
number of spotlights	3	4	5	5	6

Housing colours

traffic white - RAL 9016		•
metallic aluminium - RAL 9006		•
special powder-coated finish		○

* Colours similar to the RAL chart - these may differ slightly from those depicted in both hue and finish.