



Underglass Awning

## **markilux 779 / 779 tracfix**

The perfect underglass awning for large areas. The angular frame design throughout emphasizes design emphasizes the lines of each and every glass canopy.



reddot design award  
winner 2017



GERMAN  
DESIGN  
AWARD  
WINNER  
2018

[markilux.com](http://markilux.com)

**markilux**

safe timeless beautiful

## Product characteristics

Wind resistance class 2 | 3 (depending on size)  
 Beaufort 5 → 28–37 km/h → 7.5–10.4 m/s → 17–23 mph  
 Beaufort 6 → 38–48 km/h → 10.5–13.4 m/s → 24–30 mph



1 side view, motor operation, flat track brackets



1 side view, manual operation with crank handle



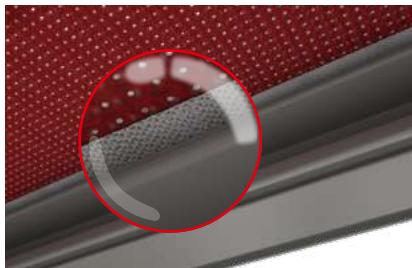
2 cable feed system in lighting units



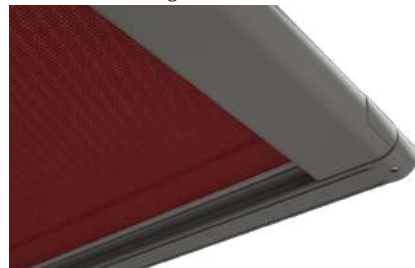
3 shadeplus during extension



4 tracfix cover guidance – no gap between cover and track <sup>1)</sup>



5 front profile finishes flush with the ends of the guide tracks



6 LED-Line fitted to the guide track and cover support tube <sup>1)</sup>



7 LED-Line fitted to the guide track and LED-Spots in the cover support tube <sup>1)</sup>



8 LED-Line fitted to the guide track <sup>1)</sup>, cover support by means of a stainless steel wire



1) optional configuration

## Product characteristics

### Description

- underglass awning with cleanly designed, quadratic cassette and harmoniously matched, angular guide tracks. The ingenious tensioning system and the sturdy design allow areas of up to 27 m<sup>2</sup> to be shaded.

### Special features

- fully encompassing cassette that protects the cover perfectly
- the tried and tested tensioning system – with drive belts and integrated gas pistons – delivers optimum cover tension in any phase of extension
- tracfix optional: the continuous lateral cover guidance system that leaves no gap between the cover and guide tracks – gives improved wind stability and a cleaner appearance
- various lighting combinations available: light strip LED-Line in the guide tracks, LED-Line in the cover support tube or LED-Spots fitted to the cover support tube – individually configurable lighting options providing a pleasant atmosphere in the evening
- option of a drop valance with a height of 150 cm or 210 cm (depending on the fabric series chosen) – protection against low-lying sun, wind and inquisitive glances integrated into the front profile, with manual operation
- the broad range of brackets with patented clip-on system offers individual fixture solutions

### Dimensions

- single unit: 60 cm – 600 cm in width, maximum extension 600 cm (depending on the width)
- maximum dimensions, width × extension: 400 cm × 600 cm / 600 cm × 450 cm (without tracfix system)
- maximum dimensions, width × extension: 600 cm × 400 cm (with tracfix system)
- intermediate sizes are available

### 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 roller tube bearing is made of stainless steel

### Awning profiles

- extruded aluminium, in façade quality, powder coated
- cassette profile in two pieces, round, height × depth 125 mm × 125 mm
- guide tracks angular, rounded edges, width × height 52 mm × 52 mm
- front profile rounded at the front, height × depth 110 mm × 52 mm, shadeplus profile height × depth 139 mm × 66 mm

### Side caps

- the cassette end caps are made of die-cast aluminium, in two parts, powder coated
- the front profile end caps are made of high-quality plastic, powder coated

### Fixture brackets

- extruded aluminium, powder coated
- cassette is self-supporting on guide tracks
- brackets for the guide tracks: flat track brackets, stand-off brackets, reveal fixture
- standard bracket heights: 20 mm / 85 mm / 105 mm / 145 mm (bespoke heights can be ordered)
- other accessories are available

## Frame 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 <sup>1)</sup>



stone grey metallic, 5215 <sup>1)</sup>



anthracite metallic, 5204 <sup>1)</sup>



Havana brown textured finish, 5229 <sup>1)</sup>



### Non-standard powder-coated finish

Bespoke frame colours at a surcharge – matt, metallic 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.

#### <sup>1)</sup> textured finish

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

## Dimensions and configuration options

### Single unit

|                  |                   | Awning fixture width |            |            |            |            |            |            |            |            |            | Minimum fixture width |                        |
|------------------|-------------------|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------------------|------------------------|
|                  |                   | 150                  | 200        | 250        | 300        | 350        | 400        | 450        | 500        | 550        | 600        | Hard-wired motor      | Radio-controlled motor |
| Order dimensions |                   | 60<br>150            | 151<br>200 | 201<br>250 | 251<br>300 | 301<br>350 | 351<br>400 | 401<br>450 | 451<br>500 | 501<br>550 | 551<br>600 |                       |                        |
| Overall width    |                   | + 5.4                |            |            |            |            |            |            |            |            |            |                       |                        |
| H                | 150 <sup>1)</sup> |                      |            |            |            |            |            |            |            |            |            | 60<br>[72]            | 70<br>[82]             |
|                  | 200 <sup>1)</sup> |                      |            |            |            |            |            |            |            |            |            |                       |                        |
|                  | 250 <sup>1)</sup> |                      |            |            |            |            |            |            |            |            | 2)         | 107 <sup>3)</sup>     | 107 <sup>3)</sup>      |
|                  | 300 <sup>1)</sup> |                      |            |            |            |            |            |            | 2)         | 2)         | 2)         |                       |                        |
|                  | 350 <sup>1)</sup> |                      |            |            |            |            | 2)         | 2)         | 2)         | 2)         | 2)         |                       |                        |
|                  | 400 <sup>1)</sup> | 2)                   | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         |                       |                        |
|                  | 450               | 2)                   | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         | 2)         |                       |                        |
|                  | 500               | 2)                   | 2)         | 2)         | 2)         | 2)         | 2)         | —          | —          | —          | —          |                       |                        |
|                  | 550               | 2)                   | 2)         | 2)         | 2)         | 2)         | 2)         | —          | —          | —          | —          |                       |                        |
|                  | 600               | 2)                   | 2)         | 2)         | 2)         | 2)         | 2)         | —          | —          | —          | —          |                       |                        |

- 1) = tracfix (optional). Only with motor drive  
 2) = wind resistance class 2,  
 all other sizes meet wind resistance class 3  
 3) = from an extension of 281 cm  
 H = extension  
 [...] = dimensions in the case of tracfix units

|  |                                                    |
|--|----------------------------------------------------|
|  | = 2 brackets                                       |
|  | = 3 brackets                                       |
|  | = 3 brackets, 1 stainless steel cover support wire |

dimensions in cm

| Operation                                                                    | standard        | optional |
|------------------------------------------------------------------------------|-----------------|----------|
| crank handle                                                                 | ✓ <sup>1)</sup> | —        |
| hard-wired motor                                                             | ✓ <sup>2)</sup> | —        |
| silentec motor (optionally with an external io / RTS receiver) <sup>1)</sup> | —               | —        |
| radio-controlled motor io, 868 MHz                                           | —               | ✓        |
| radio-controlled motor RTS, 433 MHz                                          | —               | ✓        |
| radio-controlled motor RTS, 433 MHz with manual override <sup>1)</sup>       | —               | —        |

- 1) not available in tracfix units  
 2) in tracfix units

### Coupled Awning

not available

| Shadeplus / drop valance                                                        | standard | optional |
|---------------------------------------------------------------------------------|----------|----------|
| height depends on the fabric series, see table "shadeplus / drop valance cover" |          |          |
| minimum awning fixture width 201 cm, maximum 500 cm                             |          |          |
| crank handle                                                                    | ✓        | —        |
| hard-wired motor                                                                | —        | —        |
| radio-controlled motor io, 868 MHz                                              | —        | —        |
| radio-controlled motor RTS, 433 MHz                                             | —        | —        |

### Optional accessories

|                                                                             |
|-----------------------------------------------------------------------------|
| tracfix – eliminates gap between cover and guide track                      |
| manual drop valance                                                         |
| LED-Line in the guide tracks on both sides                                  |
| LED-Line in the cover support tube <sup>1)</sup>                            |
| LED-Spots in the cover support tube <sup>1)</sup>                           |
| LED-Spots in the cassette                                                   |
| infrared heater 2000 W / 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".

- 1) LED-Line and LED-Spotlights cannot be combined with one another



| Awning cover        | fabric range no.                                                                   | standard | optional | fixture width |       | unit height |       | cover manufacture |    |
|---------------------|------------------------------------------------------------------------------------|----------|----------|---------------|-------|-------------|-------|-------------------|----|
| sunvas              | 301.. / 309..-315..                                                                | ✓        | —        |               |       | ≤ 450       |       | LN                |    |
|                     |                                                                                    |          |          | ≤ 600         |       | ≤ 400       |       | LN                |    |
| sunsilk             | 324.. / 325.. / 328.. / 369..                                                      | ✓        | —        |               |       | ≤ 450       |       | LN                |    |
|                     |                                                                                    |          |          | ≤ 600         |       | ≤ 400       |       | LN                |    |
| perfotex            | 331.. / 332..                                                                      | ✓        | —        |               |       | ≤ 400       |       | LN                |    |
|                     |                                                                                    |          |          | ≤ 600         |       | ≤ 400       |       | LN                |    |
| sunvas (250 cm)     | 31008, -09, -13, -16, -18, -25, -27, -28, -31, -36, -37, -57, -58, 31109, -14, -17 | ✓        | —        | ≤ 250         | ≤ 250 |             |       | N                 | N  |
|                     |                                                                                    |          |          | ≤ 400         | ≤ 400 | ≤ 243       | ≤ 243 | N                 | N  |
|                     |                                                                                    |          |          | ≤ 400         | ≤ 400 | ≥ 244       | ≥ 244 | QN                | QN |
|                     |                                                                                    |          |          | ≤ 400         | ≤ 400 | ≤ 243       | ≤ 243 | N                 | N  |
| transolair          | 338..                                                                              | —        | ✓        | ≤ 400         |       | ≥ 244       |       | QN                |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≥ 244 ≤ 400 |       | QN                |    |
|                     |                                                                                    |          |          | ≥ 401 ≤ 550   |       | ≤ 400       |       | LN                |    |
|                     |                                                                                    |          |          | ≤ 600         |       | ≤ 350       |       | LN                |    |
| transolair (120 cm) | 339..                                                                              | ✓        | —        |               |       | ≤ 450       |       | LN                |    |
|                     |                                                                                    |          |          | ≤ 600         |       | ≤ 400       |       | LN                |    |
|                     |                                                                                    |          |          | ≤ 320         |       |             |       | N                 |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≤ 313       |       | N                 |    |
| sunvas (320 cm)     | 31008, -09                                                                         | ✓        | —        | ≤ 400         |       | ≥ 314       |       | QN                |    |
|                     |                                                                                    |          |          | ≤ 320         |       |             |       | N                 |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≤ 313       |       | N                 |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≥ 314       |       | QN                |    |
| vuscreen Alu        | 317..                                                                              | —        | ✓        | ≤ 400         |       | ≤ 243       |       | N                 |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≥ 244 ≤ 400 |       | QN                |    |
|                     |                                                                                    |          |          | > 400         |       | ≤ 250       |       | N                 |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≤ 243       |       | N                 |    |
| Soltis Perform 92   | 92-20..                                                                            | —        | ✓        | ≤ 185         |       | ≤ 300       |       | N                 |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≤ 194       |       | N                 |    |
|                     |                                                                                    |          |          | ≥ 186 ≤ 400   |       | ≥ 195 ≤ 300 |       | QN                |    |
|                     |                                                                                    |          |          | ≤ 185         |       | ≤ 300       |       | N                 |    |
|                     |                                                                                    |          |          | ≤ 400         |       | ≤ 194       |       | N                 |    |
|                     |                                                                                    |          |          | ≥ 186 ≤ 400   |       | ≥ 195 ≤ 300 |       | QN                |    |

| perla and perla FR                           | 370.. und 374.. / 375.. | —        | —        |               |  |             |  |                   |  |
|----------------------------------------------|-------------------------|----------|----------|---------------|--|-------------|--|-------------------|--|
| shadeplus / drop valance cover <sup>1)</sup> | fabric range no.        | standard | optional | fixture width |  | unit height |  | cover manufacture |  |
| sunvas                                       | 309.. / 310.. / 311..   | ✓        | —        | ≤ 500         |  | 210         |  | QN                |  |
| sunsilk                                      | 324.. / 325..           | ✓        | —        | ≤ 500         |  | 210         |  | QN                |  |
| transolair                                   | 338..                   | —        | ✓        | ≤ 500         |  | 210         |  | N                 |  |
| transolair (120 cm)                          | 339..                   | —        | ✓        | ≤ 450         |  | 210         |  | QN                |  |
| vuscreen Alu                                 | 317..                   | —        | ✓        | ≤ 500         |  | 150         |  | N                 |  |
| Soltis Perform 92                            | 92-20..                 | —        | ✓        | ≤ 500         |  | 210         |  | QN                |  |
| glass fibre screen                           | 272..                   | —        | —        |               |  |             |  |                   |  |
| perfotex                                     | 331.. / 332..           | —        | —        |               |  |             |  |                   |  |
| perla                                        | 370..                   | —        | —        |               |  |             |  |                   |  |
| perla FR                                     | 374.. / 375..           | —        | —        |               |  |             |  |                   |  |

 = tracfix

1) = the width of the awning cover is narrower than that of the awning.

N = seamless

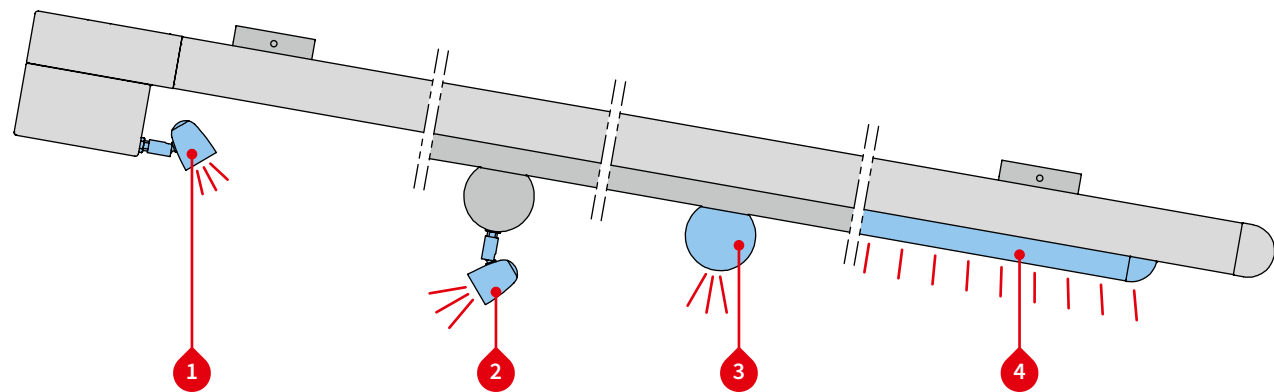
Only available in plain seamless fabrics (oversized, fabric width > 120 cm) or in plains with a horizontal joint (fabric width 120 cm)

LN = vertical seam(s), panel width usually 120 cm

QN = horizontal seam(s)

dimensions in cm

Lighting options



Lighting options

- 1 LED-Spots in the cassette
- 2 LED-Spots in the cover support tube <sup>1)</sup>
- 3 LED-Line in the cover support tube <sup>1)</sup>
- 4 LED-Line in the guide tracks on both sides

For combination possibilities please view section “Dimension overview lighting options”

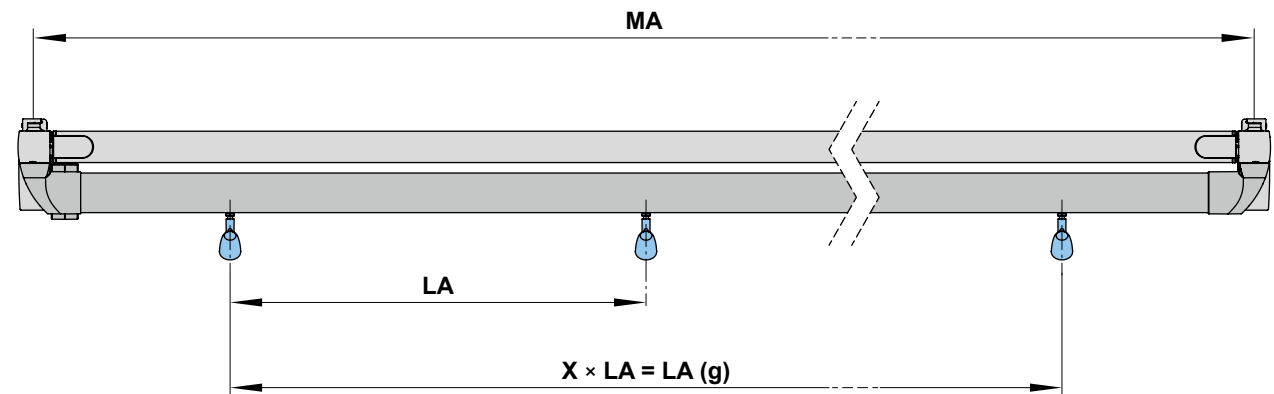
1) LED-Line and LED-Spotlights cannot be combined with one another

Control

|                                     | standard | optional |
|-------------------------------------|----------|----------|
| on/off switch                       | —        | ✓        |
| radio-controlled dimmer io 868 MHz  | ✓        | —        |
| radio-controlled dimmer RTS 433 MHz | —        | ✓        |

Distribution of the LED-Spots

1 and 2 in the cassette and in the cover support tube



| Awning fixture width | No. of spotlights | LA | LA (g) |
|----------------------|-------------------|----|--------|
| 150–250              | 3                 | 65 | 130    |
| 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    |

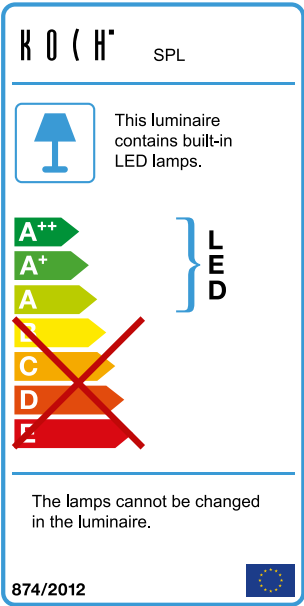
dimensions in cm

LA (g) = distance between the spotlights (total)  
MA = order dimension = awning fixture width = fixture width

**1** and **2** LED-Spots in the cassette and in the cover support tube

**Technical specification**

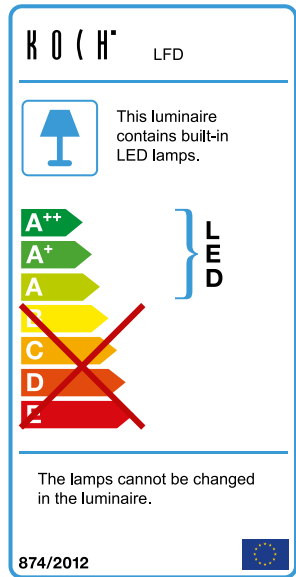
|                                  |                  |
|----------------------------------|------------------|
| operating voltage                | 230 V, 50 Hz     |
| power output of an LED-Spotlight | 5 W              |
| bulbs                            | LED (12 V)       |
| number of transformers           | 1                |
| light temperature                | 2700 K           |
| IP protection class              | IP 44            |
| service life                     | approx. 20.000 h |



**3** and **4** LED-Line in the cover support tube and in the guide tracks

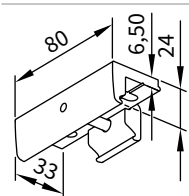
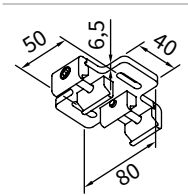
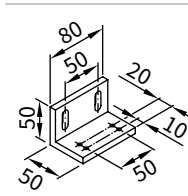
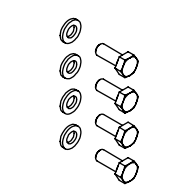
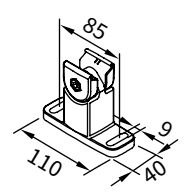
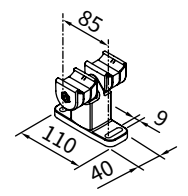
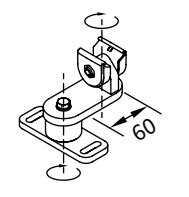
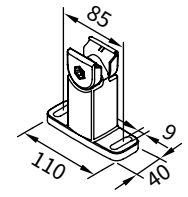
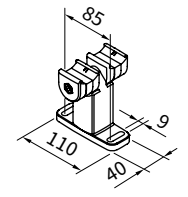
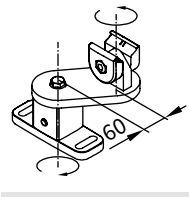
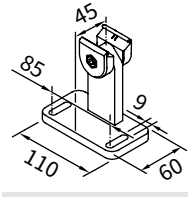
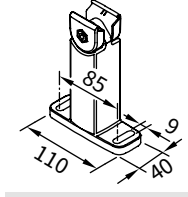
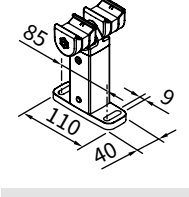
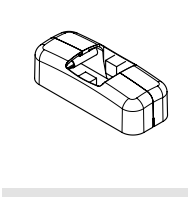
**Technical specification**

|                        |                  |
|------------------------|------------------|
| operating voltage      | 230 V, 50 Hz     |
| power output per metre | 10 W             |
| bulbs                  | LED (12 V)       |
| number of LEDs         | 120 units / m    |
| number of transformers | 1                |
| light temperature      | 3200 K           |
| IP protection class    | IP 44            |
| service life           | approx. 15.000 h |

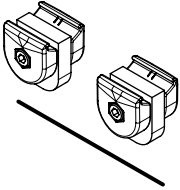




Fixtures, fittings and accessories

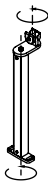
|                                                                                                                                                                             |                                                                                                                                                                                                      |                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>flat track bracket<br/>fixture type 10 / 15</p> <p><b>78548.</b></p>                   |  <p>double track<br/>bracket flat</p> <p>2 single units</p> <p><b>73627.</b></p>                                    |  <p>additional angled<br/>bracket for the<br/>bearing, gearbox and<br/>motor sides</p> <p>fixture type 15</p> <p>50 × 50 × 80 mm</p> <p><b>78719.</b></p>      |
|  <p>accessories for two<br/>angled brackets 78719.</p> <p><b>787211</b></p>                |  <p>track bracket with<br/>adjustable head</p> <p>fixture type 20</p> <p>80 mm</p> <p><b>73624.</b></p>             |  <p>double track bracket<br/>with adjustable head</p> <p>central bracket for 2<br/>single units next to<br/>each other</p> <p>80 mm</p> <p><b>73631.</b></p>   |
|  <p>universal track bracket</p> <p>80 mm</p> <p><b>73629.</b></p>                          |  <p>track bracket with adjust-<br/>able head</p> <p>fixture type 21</p> <p>100 mm</p> <p><b>76046.</b></p>          |  <p>double track bracket<br/>with adjustable head</p> <p>central bracket for 2<br/>single units next to<br/>one another</p> <p>100 mm</p> <p><b>73634.</b></p> |
|  <p>universal track bracket</p> <p>100 mm</p> <p><b>76054.</b></p>                       |  <p>track bracket with adjust-<br/>able foot plate</p> <p>100 mm</p> <p><b>76199.</b></p>                         |  <p>track bracket with<br/>adjustable head</p> <p>fixture type 22</p> <p>140 mm</p> <p><b>76048.</b></p>                                                     |
|  <p>double track bracket<br/>with adjustable head</p> <p>140 mm</p> <p><b>73636.</b></p> |  <p>cover cap<br/>for square track bracket</p> <p>standard accessory<br/>for bracket</p> <p><b>2 × 76718.</b></p> |                                                                                                                                                                                                                                                   |

Fixtures, fittings and accessories



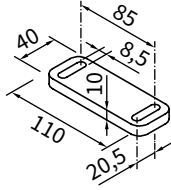
sprung bracket with stainless steel cover support wire  
included with the delivery

73639. and 771401



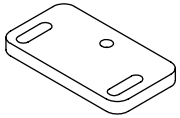
universal track bracket  
with adjustable head  
140–500 mm

76053.



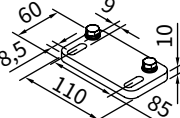
spacer plate for track bracket  
110 × 40 × 10 mm

78570.



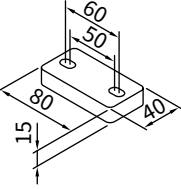
adapter plate for track bracket  
110 × 60 mm

78158.



adapter plate for track bracket

78165.



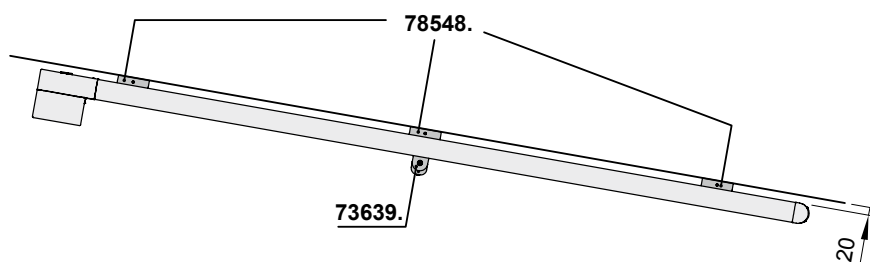
spacer plate for double flat track bracket  
80 × 40 × 15 mm

73742.

## Fixture types

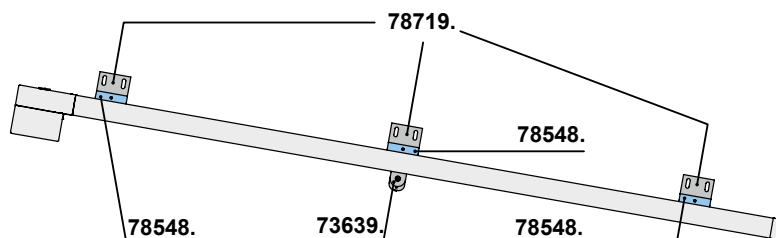
**10**

Clearance 20 mm



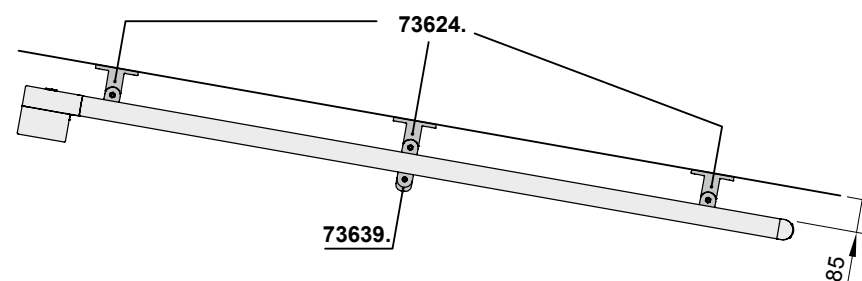
**15**

By angled bracket  
to the side



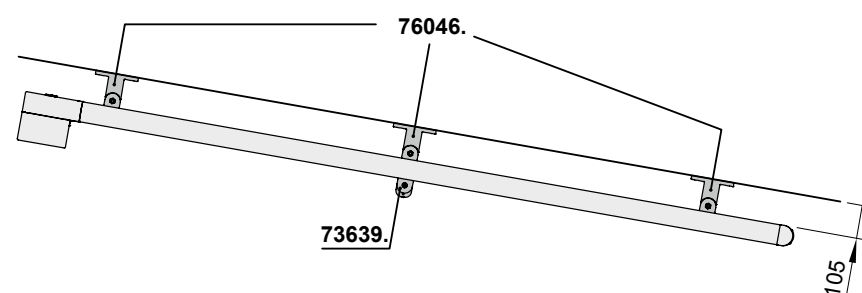
**20**

Clearance 85 mm



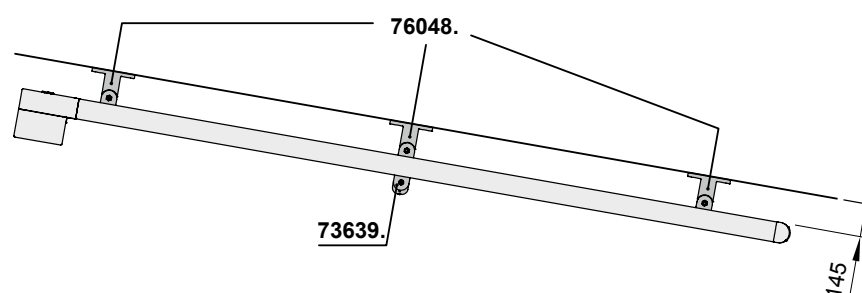
**21**

Clearance 105 mm



**22**

Clearance 145 mm



### Individual choice of brackets:

see "Fixtures, fittings and accessories". When extension > 300 cm always with 3 brackets per guide track.

During extension and retraction the cover may sag.

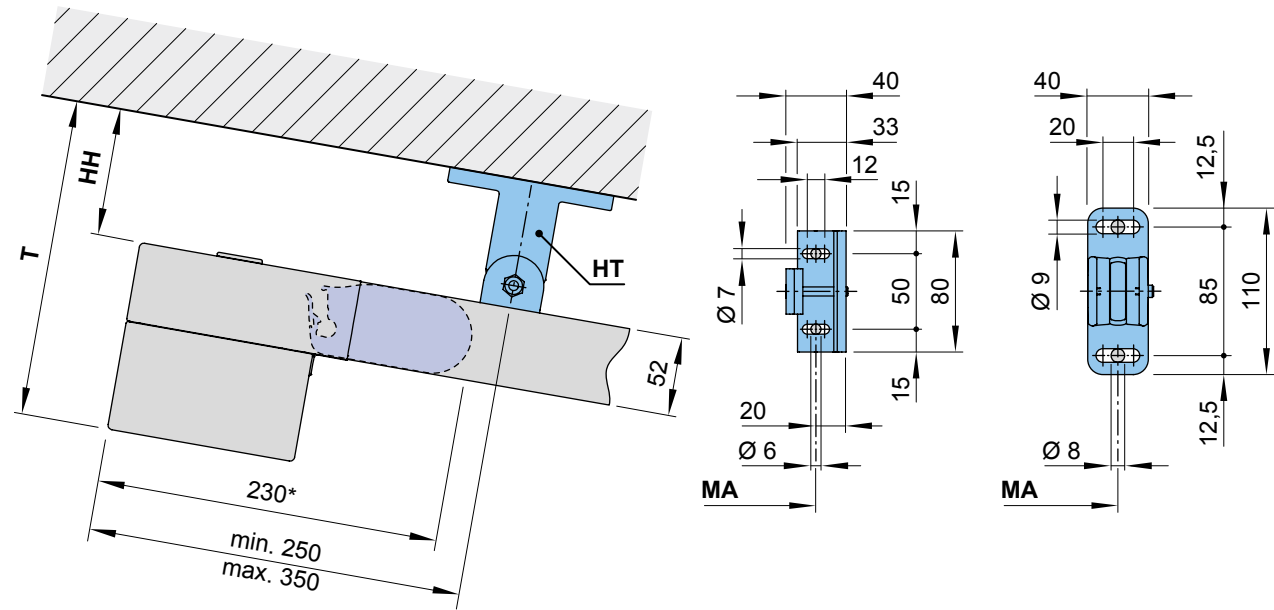
Cover support wires and brackets (73639) are only supplied with the markilux 779 without tracfix at certain sizes. A bracket should always be placed where these are positioned.

# Fixture types

Dimension overview

Fixture type 10

Fixture types 20, 21 and 22

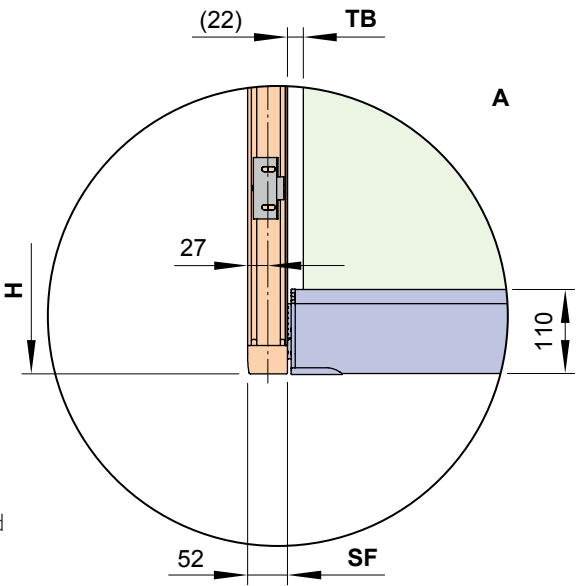
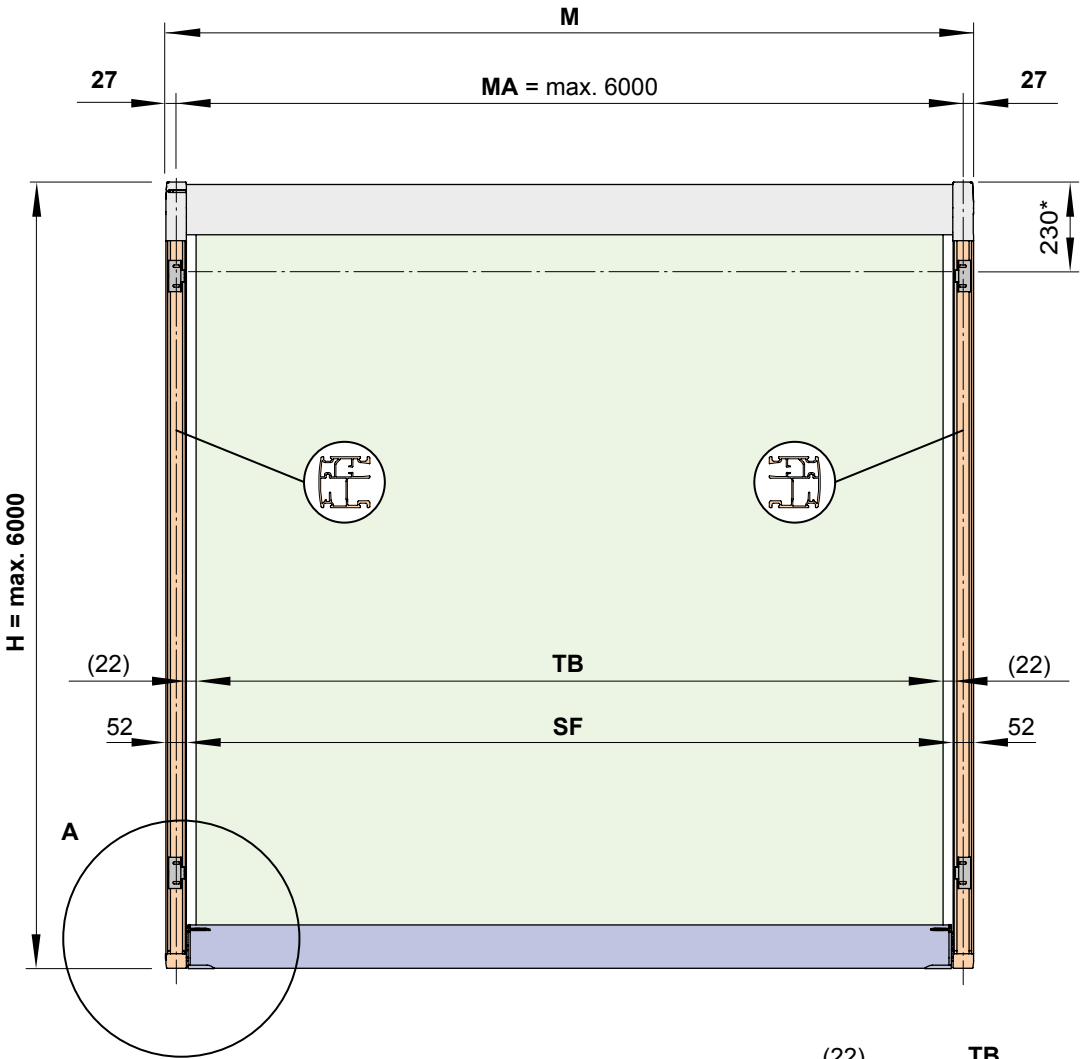


|    |                                                                 | Fixture type 10 | Fixture type 20 | Fixture type 21 | Fixture type 22 |
|----|-----------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|
| HT | = bracket                                                       | 78548.          | 73624.          | 76046.          | 76048.          |
| HH | = bracket height                                                | 20              | 85              | 105             | 145             |
| T  | = overall height                                                | 150             | 215             | 235             | 275             |
| MA | = <i>order dimension</i> = awning fixture width = fixture width |                 |                 |                 |                 |
| *  | = depth of cassette including front profile, retracted          |                 |                 |                 |                 |

dimensions in mm

Dimension overview

Single unit

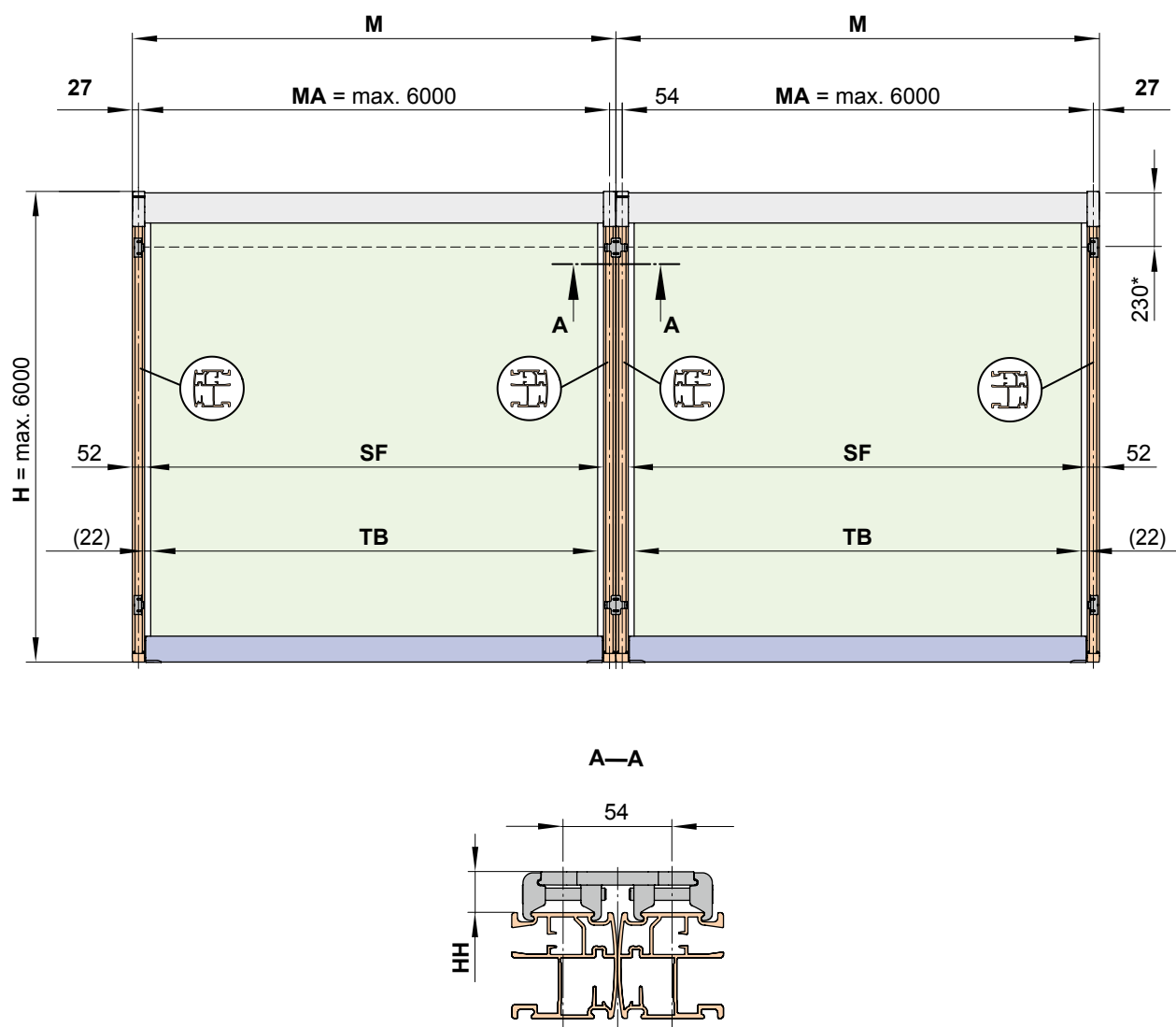


- \* = depth of cassette and front profile when the awning is retracted
- (...) = gap between cover and guide track (non-tracfix units)
- H = *order dimension* = extension
- M = overall awning width
- MA = *order dimension* = awning fixture width = fixture width
- TB = cover width (in non-tracfix systems)
- SF = visible cover (in tracfix systems)

dimensions in mm

## Dimension overview

Two single units – fixture via double track brackets



18

\* = depth of cassette and front profile when the awning is retracted

(...) = gap between cover and guide track (non-tracfix units)

H = *order dimension* = extension

HH = bracket height

M = overall awning width

MA = *order dimension* = awning fixture width = fixture width

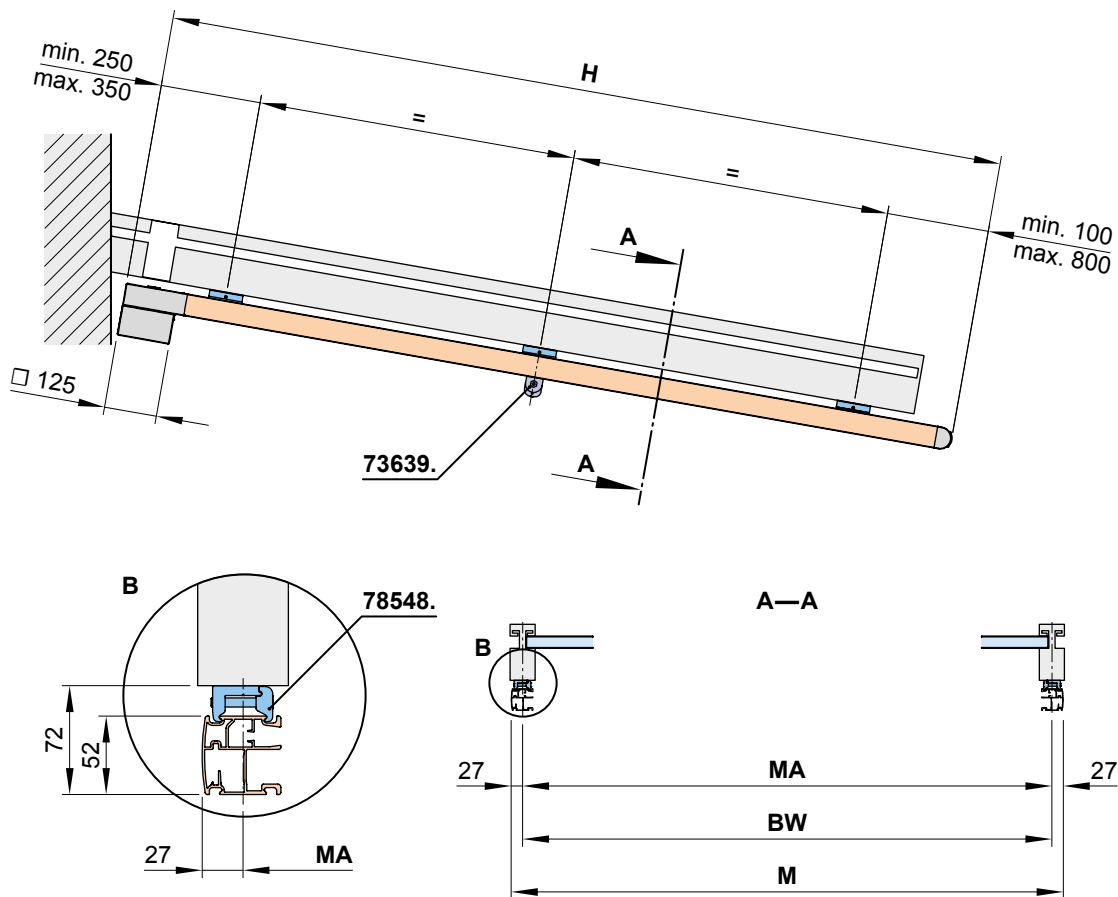
TB = cover width (in non-tracfix systems)

SF = visible cover (in tracfix systems)

dimensions in mm



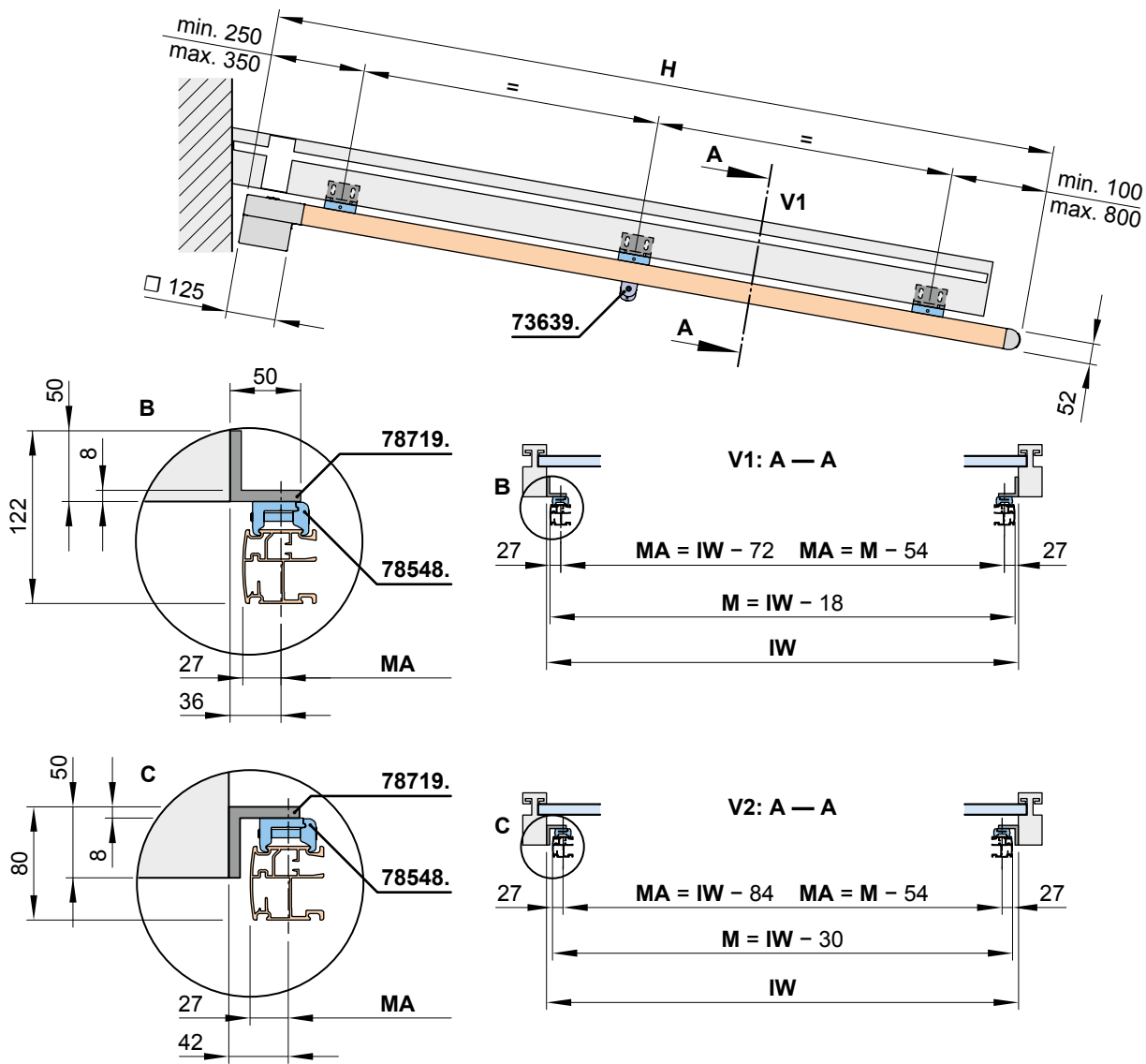
Dimension overview fixture type 10



- BW** = width between fixture points on the conservatory
- H** = *order dimension* = extension
- M** = overall awning width
- MA** = *order dimension* = awning fixture width = fixture width

dimensions in mm

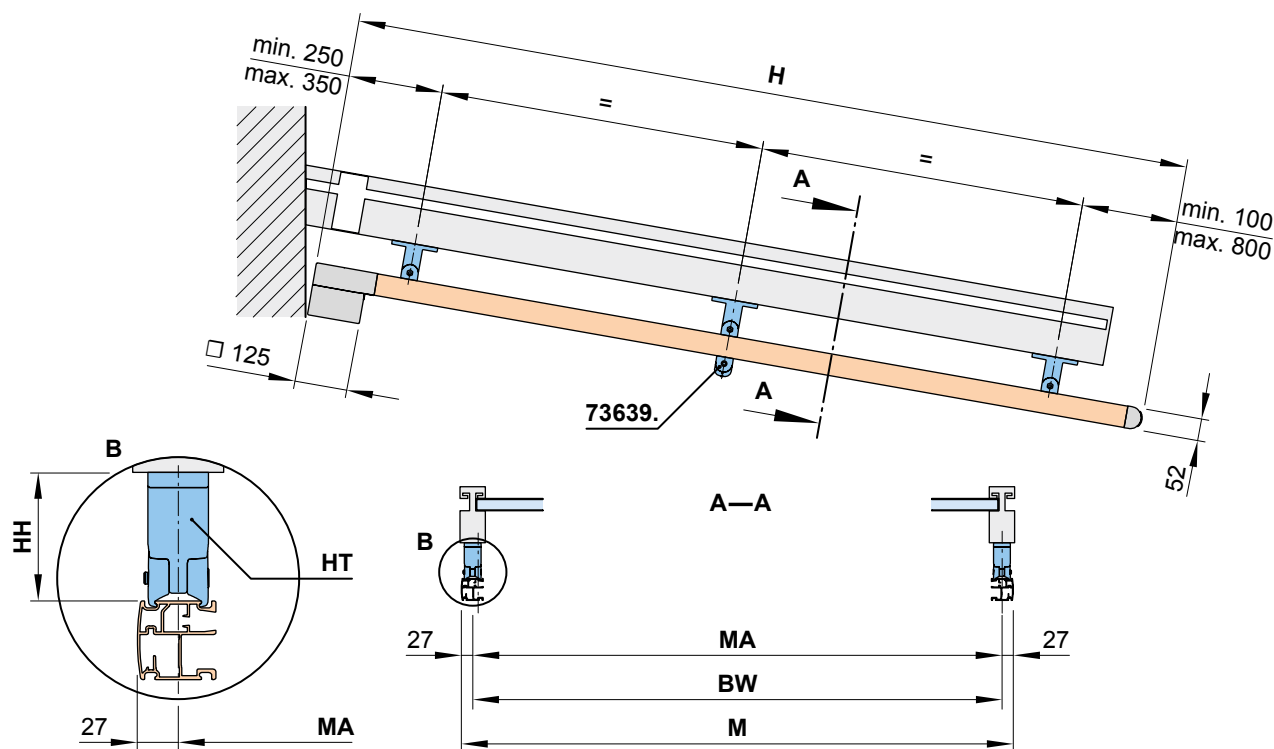
Dimension overview fixture type 15



- H** = *order dimension* = extension  
**IW** = interior conservatory dimension  
**M** = overall awning width  
**MA** = *order dimension* = awning fixture width = fixture width  
**V1, V2** = variants

dimensions in mm

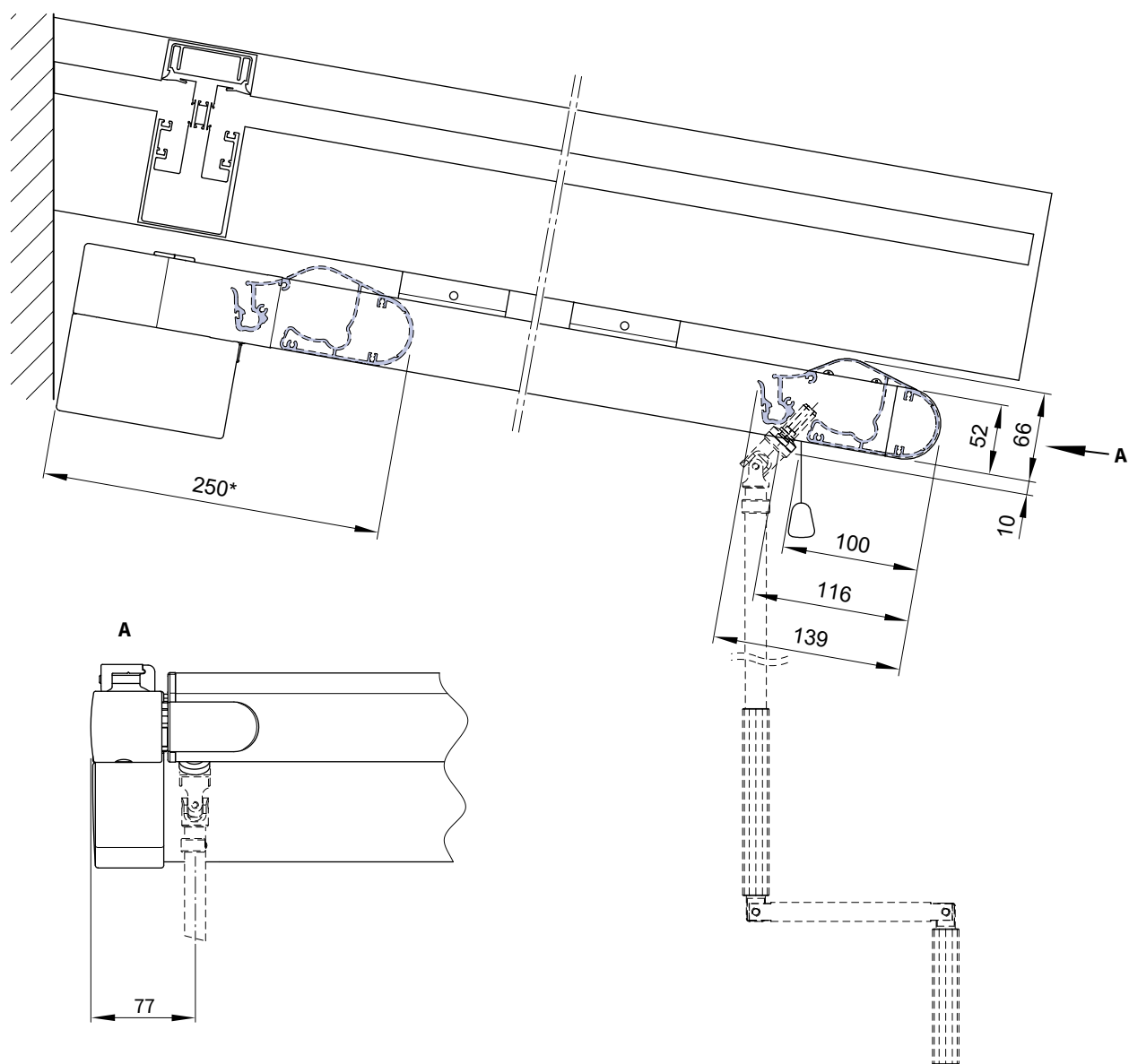
Dimension overview fixture types 20, 21, 22



- BW** = width between fixture points on the conservatory
- H** = *order dimension* = extension
- HH** = bracket height (for dimensions please refer to "Dimension overview")
- HT** = bracket
- M** = overall awning width
- MA** = *order dimension* = awning fixture width = fixture width

dimensions in mm

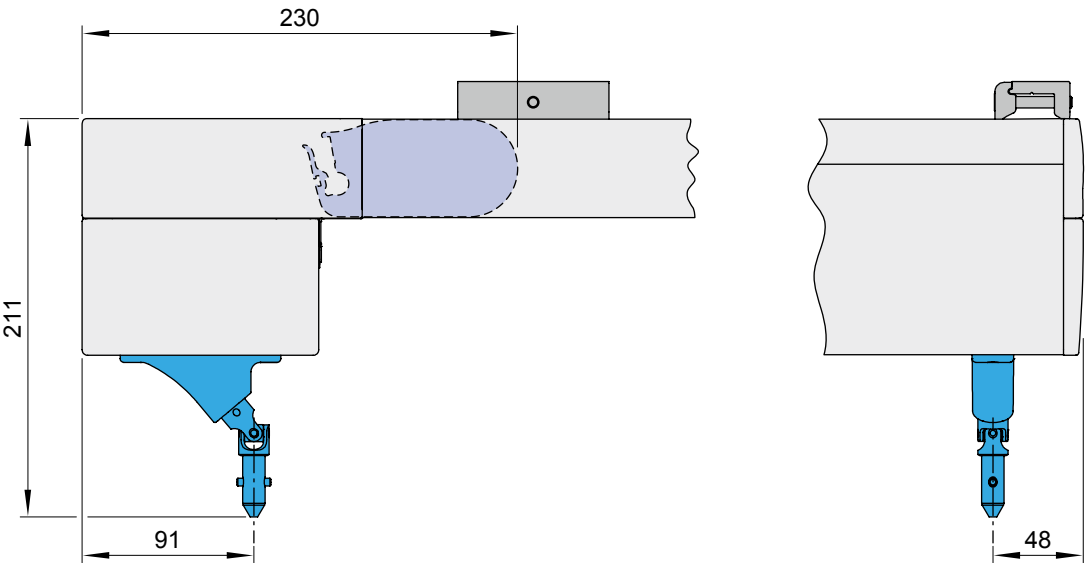
# Dimension overview, shadeplus



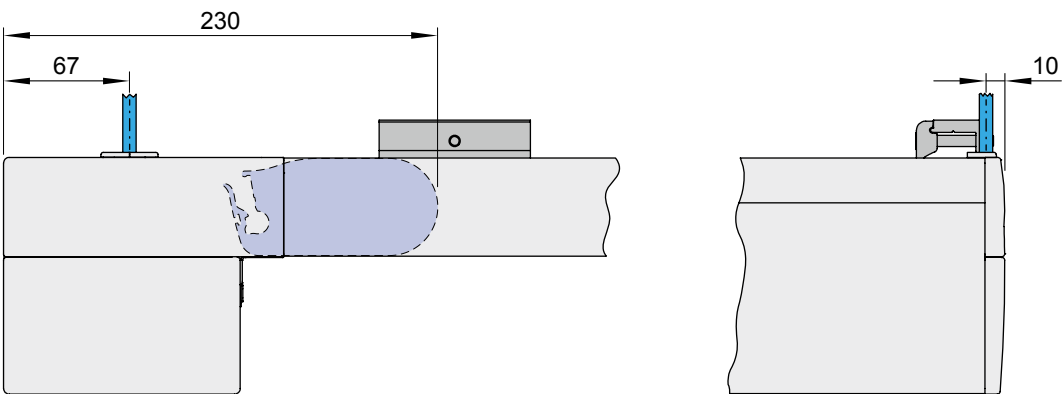
\* = depth of cassette and front profile when the awning is retracted

dimensions in mm

Gearbox crank handle position



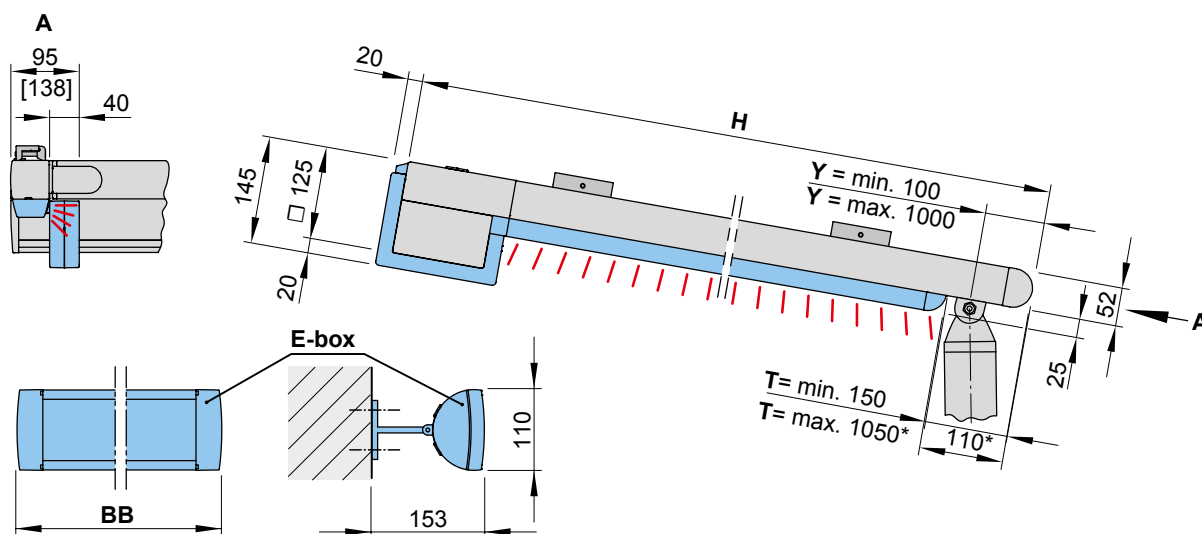
Motor cable exit point



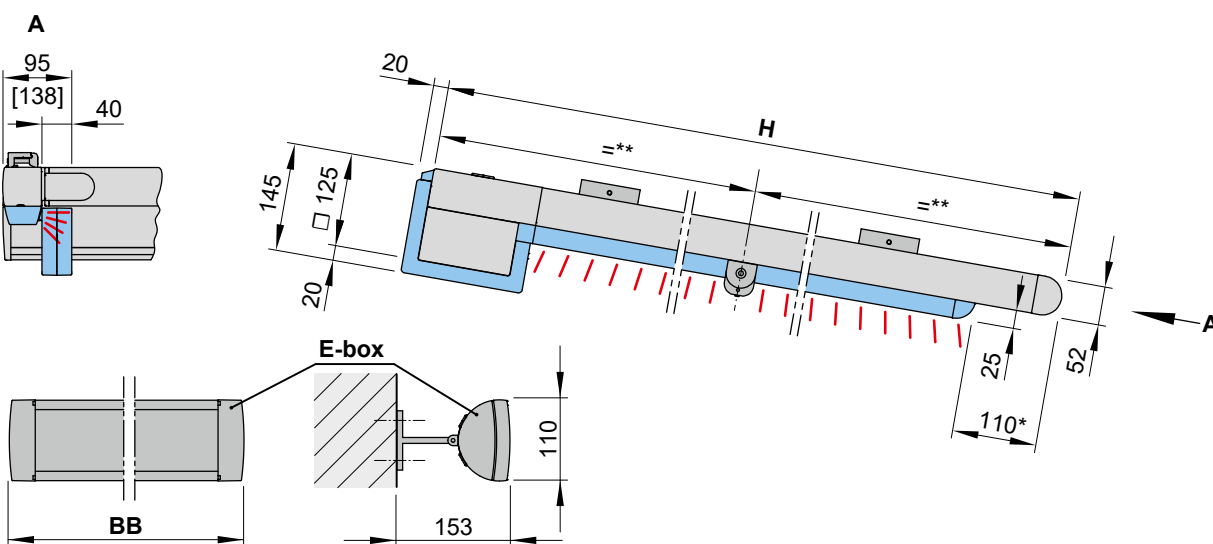
dimensions in mm

## Dimension overview lighting options

Option 1: LED-Line in the guide tracks, electronic components in an E box



Option 1a (from an extension of 401 cm): LED-Line in the guide tracks, stainless steel cover support wires, electronic components in an E box



\* = 110 mm standard, 36 mm optional

\*\* = cover support wire centred (standard), other positions are possible on request

[...] = for shadeplus and lighting

BB = order width

E-box = see "E-box"

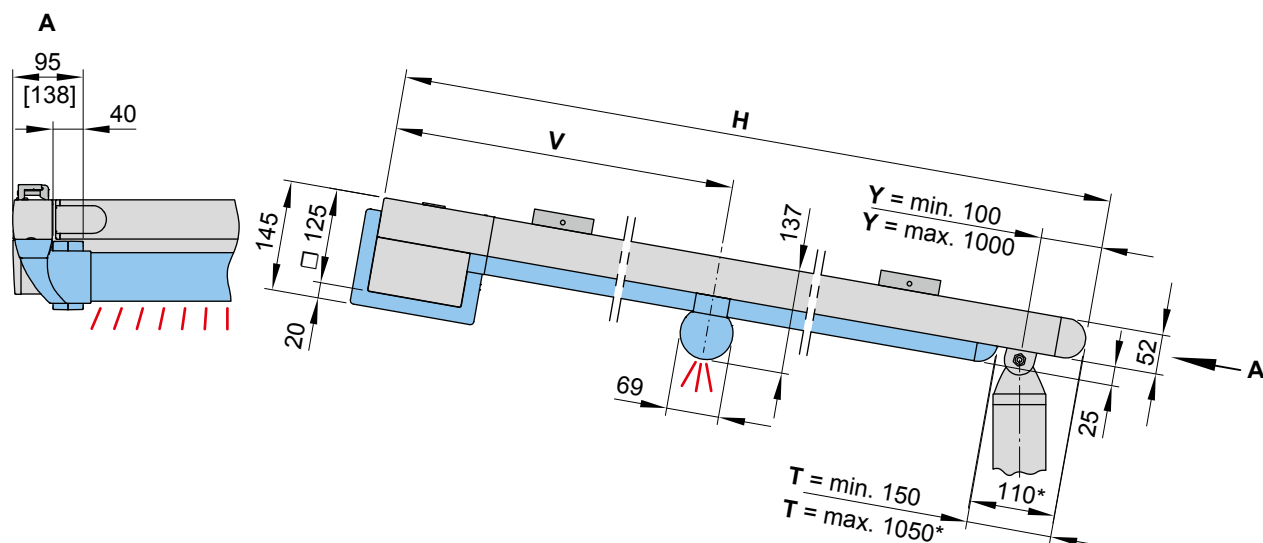
H = order dimension = extension

dimensions in mm

## Dimension overview lighting options

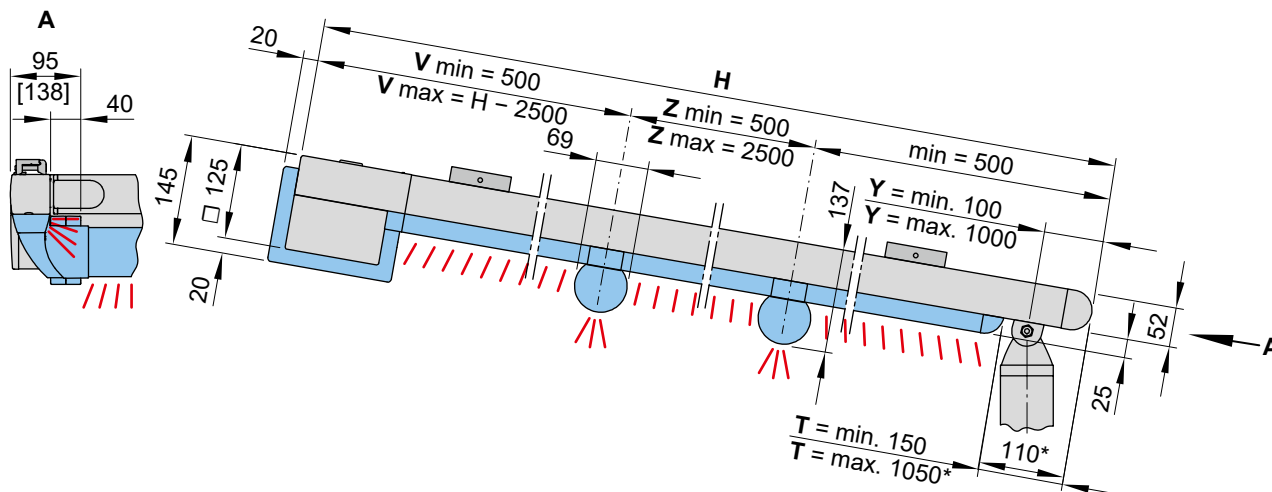
Option 2: LED-Line in the cover support tube, electronic components in the cover support tube

Option 3: LED-Line in the cover support tube and in the guide tracks, electronic components in the cover support tube



Option 4: LED-Line in two cover support tubes, electronic components in the cover support tube

Option 5: LED-Line in two cover support tubes and in the guide tracks, electronic components in the cover support tube



\* = 110 mm standard, 36 mm optional

[...] = for shadeplus and lighting

**V** = lighting position from back of cassette. Standard: centred ( $V = H \div 2$ ).

Optionally this can be stipulated when ordering ( $V_{\min.} = 500 \text{ mm}$ ,  $V_{\max.} = H - 500 \text{ mm}$ )

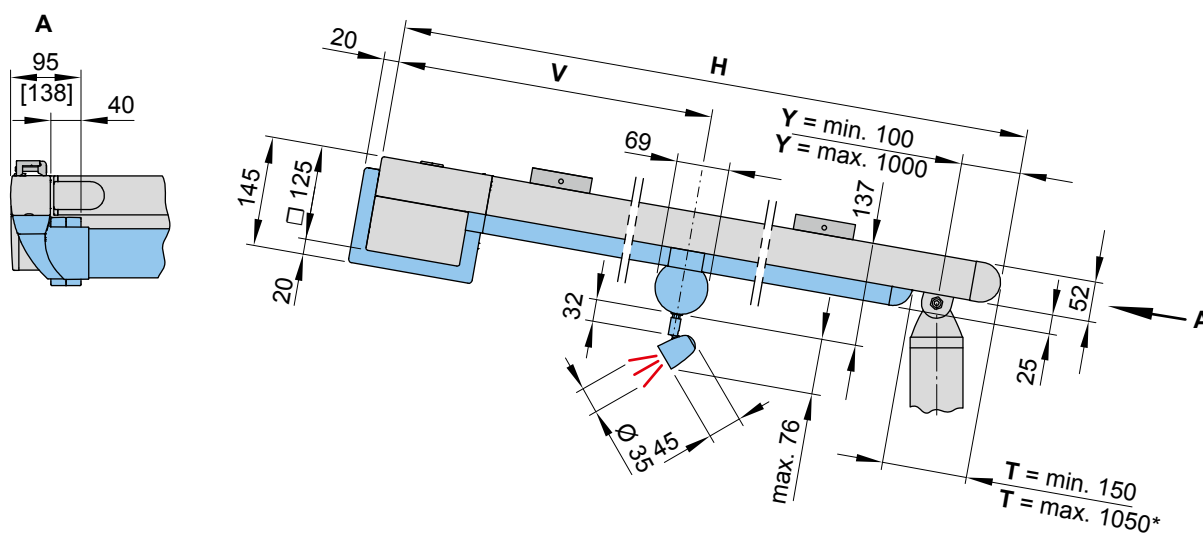
**H** = *order dimension* = extension

dimensions in mm

## Dimension overview lighting options

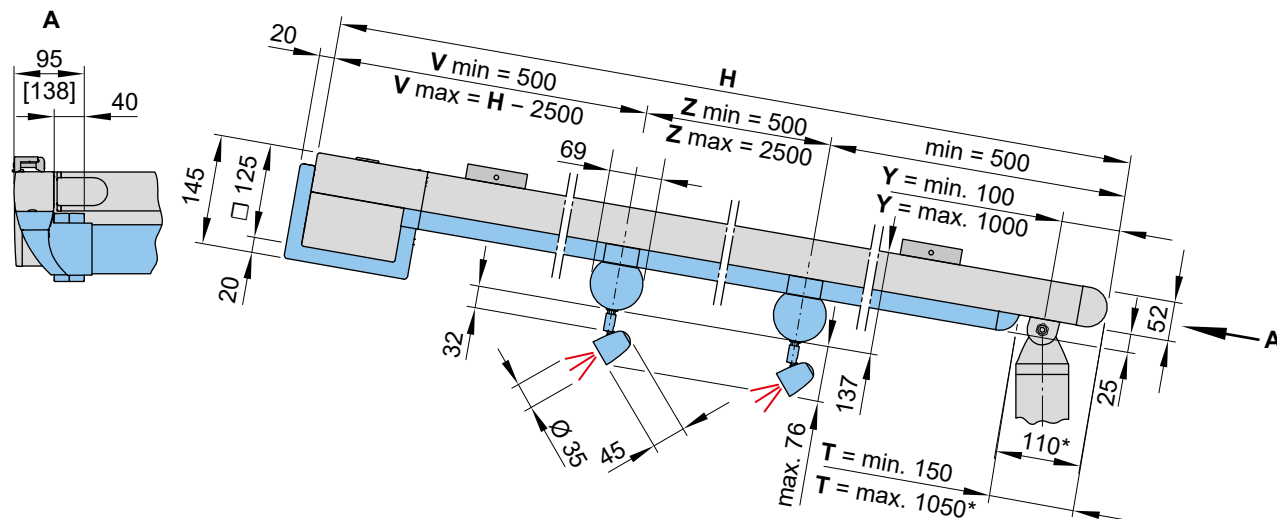
Option 6: LED-Spots in the cover support tube, electronic components in the cover support tube

Option 7: LED-Spots in the cover support tube and LED-Line in the guide tracks,  
electronic components in the cover support tube



Option 8: LED-Spots in two cover support tubes, electronic components in the cover support tube

Option 9: LED-Spots in two cover support tubes and LED-Line in the guide tracks,  
electronic components in the cover support tube



\* = 110 mm standard, 36 mm optional

[...] = for shadeplus and lighting

H = *order dimension* = extension

V = lighting position from back of cassette. Standard: centred ( $V = H \div 2$ ).

Optionally this can be stipulated when ordering ( $V \text{ min.} = 500 \text{ mm. } V \text{ max.} = H - 500 \text{ mm}$ )

Y = distance from the rear of the cassette to the centre of the 1st cover support tube

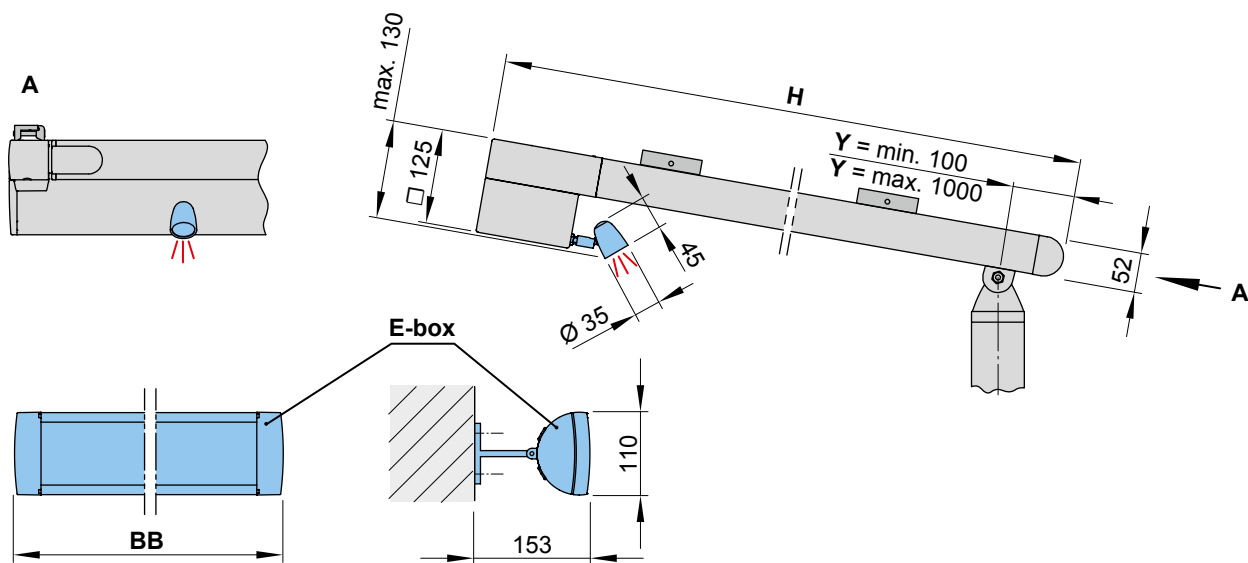
Z = distance from the centre of the 1st cover support tube to the centre of the 2nd

dimensions in mm



Dimension overview lighting options

Option 10: LED-Spots in the cassette (can be combined at will with options 1-9), electronic components in an E box or in the cover support tube

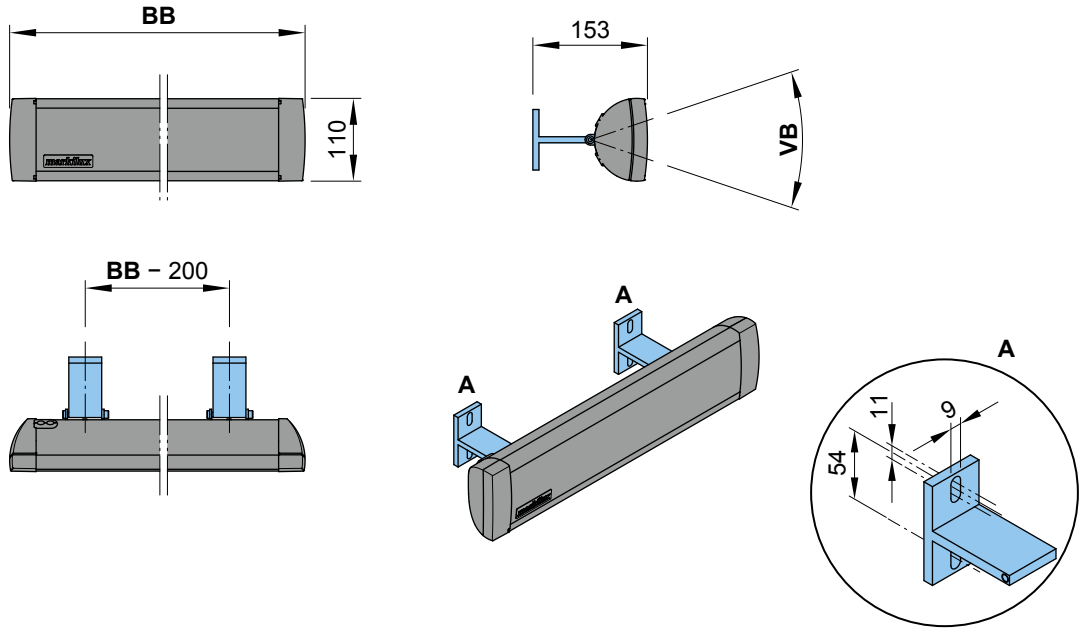


BB = order width  
E-box = see "E-box"  
H = order dimension = extension

dimensions in mm

# E-box

## Dimension overview



## Dimension overview and applications

wireless technology  
extension H

| RTS (433 MHz) |          | 868 MHz io |          |
|---------------|----------|------------|----------|
| < 330 cm      | ≥ 330 cm | < 330 cm   | ≥ 330 cm |

## Lighting options

|                                                                 |                                  |                                   |                                  |
|-----------------------------------------------------------------|----------------------------------|-----------------------------------|----------------------------------|
| LED-Line in the guide tracks with or without cover support wire | E-box M<br>71850. BB = 500 mm    | E-box G<br>71873. BB = 700 mm     | E-box M<br>71850.<br>BB = 500 mm |
| LED-Spots in the cover cassette                                 | E-box M<br>71850.<br>BB = 500 mm |                                   |                                  |
| LED-Line in the guide tracks and LED-Spots in the cassette      | E-box G 71873.<br>BB = 700 mm    | E-box L<br>71874.<br>BB = 1200 mm |                                  |

for independent use

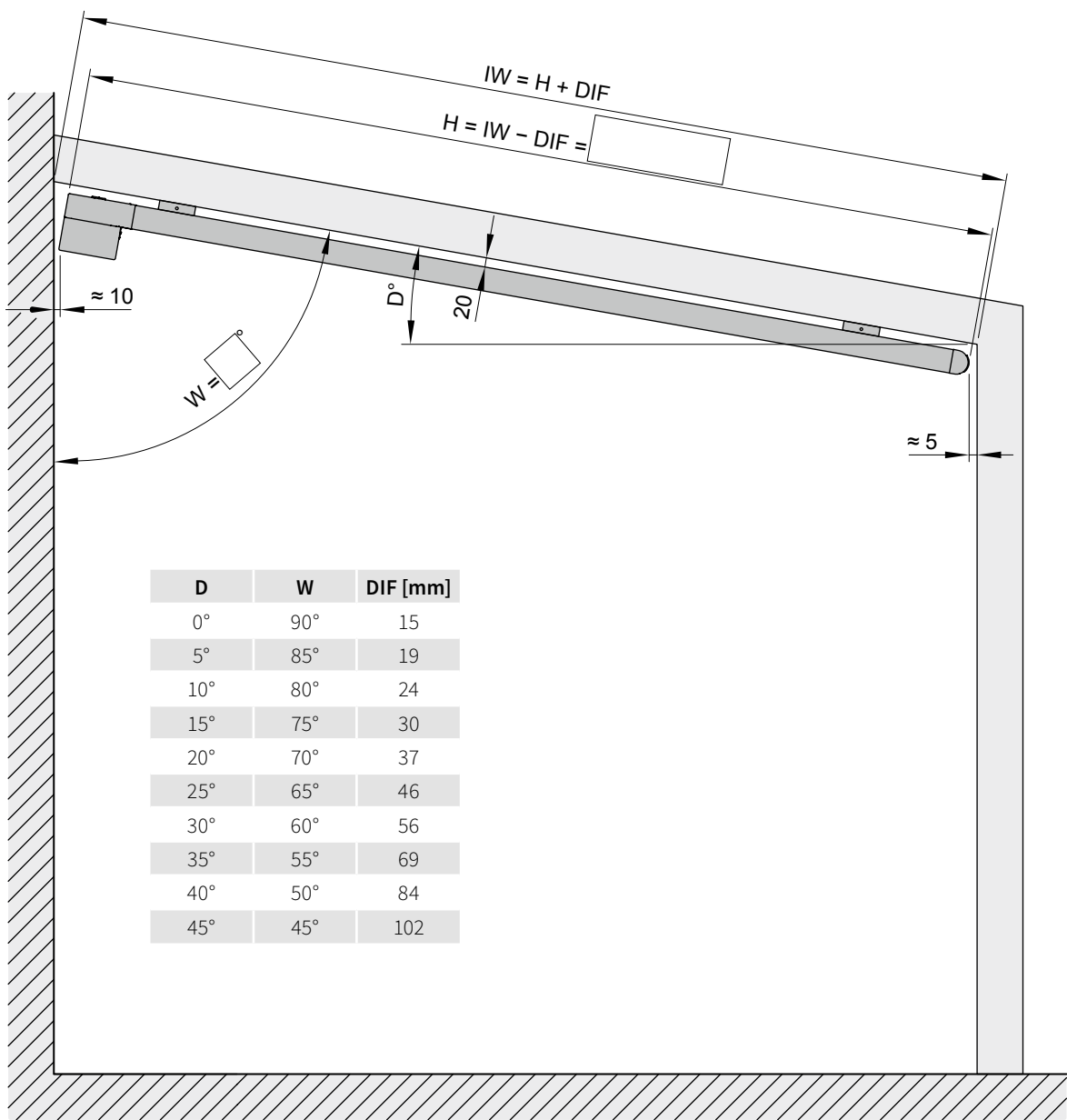
E-box I 71851.BB = independent use

BB = order width  
VB = adjustment range

dimensions in mm

Dimensions for taking measurements

Awning without lighting



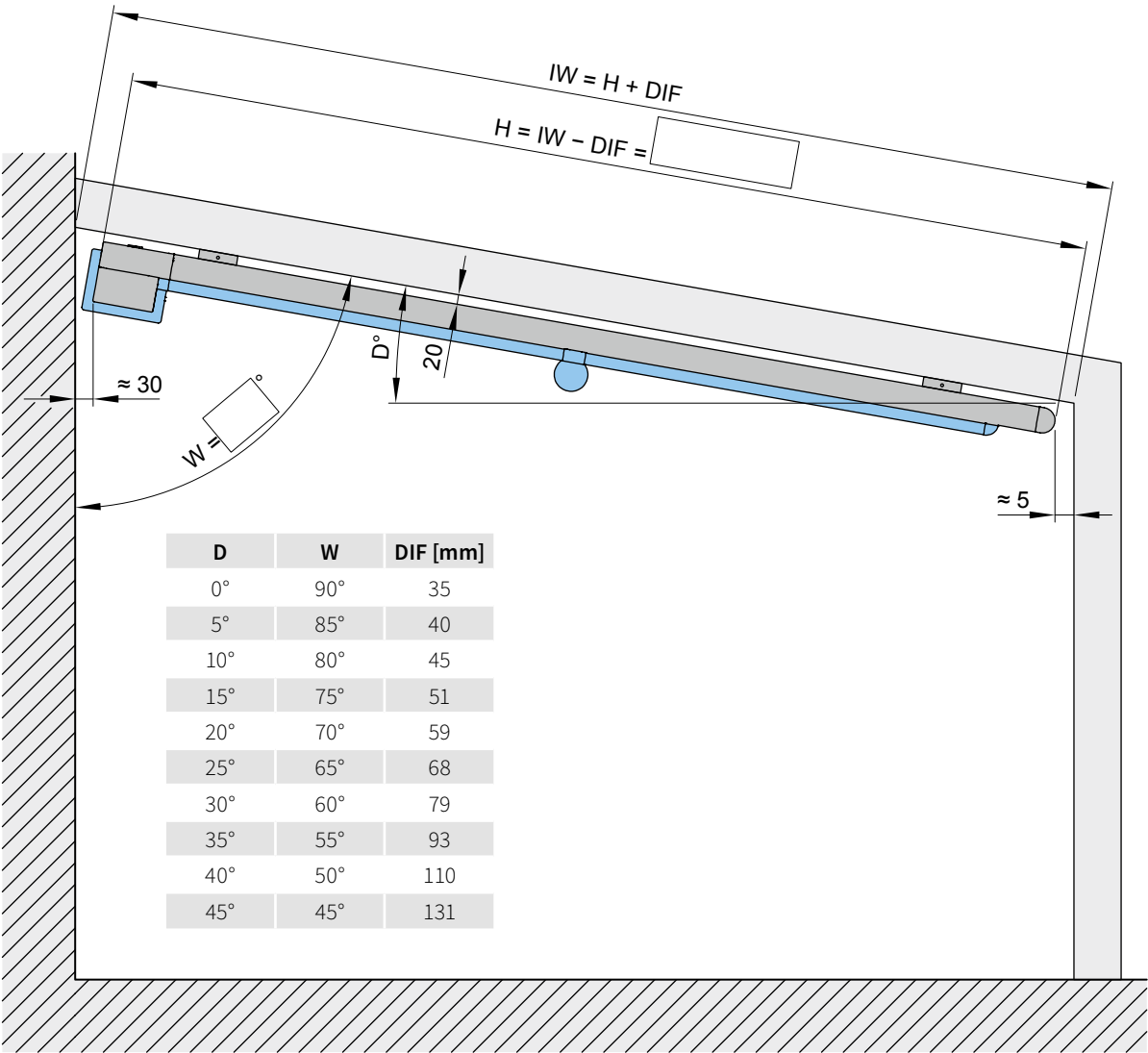
Orders are to be submitted with all the dimensions shown in the diagram!

- D = roof pitch (in °)
- DIF = difference interior conservatory measurement to extension H
- H = **order dimension** = nominal extension = IW - DIF (see table)
- IW = interior conservatory dimension
- W = awning pitch (in °)

dimensions in mm

## Dimensions for taking measurements

Awning with lighting



Orders are to be submitted with all the dimensions shown in the diagram!

- D** = roof pitch (in °)
- DIF** = difference interior conservatory measurement to extension H
- H** = **order dimension** = nominal extension =  $IW - DIF$  (see table)
- IW** = interior conservatory dimension
- W** = awning pitch (in °)

dimensions in mm