Cassette awning

**markilux 3300**

The awning for purists – straight-lined simplicity for the domestic and commercial minimalist.
Product characteristics

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

1. face fixture
2. awning retracting horizontally, irrespective of the awning pitch
3. arm bearer with tilt device technology, integrated windlock mechanism
4. bionic tendon made of high-tech fibres for optimum power transference
5. hidden gutter in the front profile with water drainage holes to the side
6. rolltex bearing for the roller tube, used in larger awning widths
7. rubber wall sealing strip
Product characteristics

Description
• extremely robust, angular cassette, ideally suited for installation in niches and reveals, under overhangs and to business premises.

Special features
• the smooth appearance with flat front profile is perfectly suited to a minimalist building style
• the design characteristics allow the awning to be fitted into niches and reveals
• the tilt device technology with integrated windlock mechanism functioning as arm bearers ensures the awning closes cleanly
• option of a wall seal by means of an additional aluminium profile with rubber sealing strip
• option of a silentec motor – motor noise is appreciably reduced

Dimensions
• cassette in the standard version: depth 224 mm, height 192 mm
• single unit: minimum width 190 cm at the smallest projection of 150 cm
  maximum width 700 cm at the largest projection of 400 cm
• also available as a coupled unit

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 support bracket is made of extruded aluminium, integrated into the cassette

Awning profiles
• extruded aluminium, in façade quality, powder coated
• cassette made of a single extruded profile, with continuous keyways for infinitely variable bracket positions
• the front profile is shaped like a smooth panel, with integrated rain gutter

Folding arms
• profiles in extruded aluminium, in façade quality, powder coated
• moving parts made of drop-forged aluminium – the arms are therefore extremely fracture resistant
• pivot bolts in stainless steel run in Teflon-coated bronze bushes – practically maintenance free, virtually silent and extremely hard-wearing
• power transference via the innovative bionic tendon at the elbow joint, made of high tensile, high-tech fibres – low in friction, noiseless, insensitive to corrosion and UV resistant, independently tested by the Fraunhofer Institute

Side caps
• the cassette side cheeks are made of extruded aluminium, powder coated
• the front profile end caps are made of extruded aluminium, powder coated, with water drainage holes

Fixture brackets
• face fixture, top fixture, eaves fixture
• extruded aluminium, powder coated
• available in intermediate widths made to order (on request)
• awning pitch adjustment range 5°–45°
• spacer plates, stand-off brackets and other accessories are available
Frame and end cap 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
stone grey metallic, 5215
anthracite metallic, 5204

Havana brown textured finish, 5229

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.

1) textured finish

Colours may differ slightly from those depicted in both hue and finish.
## Dimensions and configuration options

### Single unit

<table>
<thead>
<tr>
<th>Order dimensions</th>
<th>Overall awning width</th>
<th>Minimum width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>190</td>
<td>251</td>
</tr>
</tbody>
</table>

### Operation

<table>
<thead>
<tr>
<th>Operation</th>
<th>standard</th>
<th>optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>crank handle</td>
<td>✓</td>
<td>—</td>
</tr>
<tr>
<td>spring-assisted crank handle</td>
<td>—</td>
<td>✓</td>
</tr>
<tr>
<td>hard-wired motor</td>
<td>—</td>
<td>✓</td>
</tr>
<tr>
<td>silentec motor (optionally with an external io / RTS receiver)</td>
<td>—</td>
<td>✓</td>
</tr>
<tr>
<td>radio-controlled motor io, 868 MHz</td>
<td>—</td>
<td>✓</td>
</tr>
<tr>
<td>radio-controlled motor RTS, 433 MHz</td>
<td>—</td>
<td>✓</td>
</tr>
<tr>
<td>radio-controlled motor RTS, 433 MHz with manual override</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

### Coupled Awning

(only with motor drive)

1) 2 fields, 1 motor, maximum width 1390 cm
2) 3 fields, 1 motor, maximum width 1950 cm

### Awning cover

<table>
<thead>
<tr>
<th>Awning cover</th>
<th>fabric range no.</th>
<th>standard</th>
<th>optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>sunvas</td>
<td>301.. / 309..–315..</td>
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</tr>
<tr>
<td>perla</td>
<td>370..</td>
<td>—</td>
<td>✓</td>
</tr>
<tr>
<td>sunsilk</td>
<td>324.. / 325.. / 328.. / 369..</td>
<td>✓</td>
<td>—</td>
</tr>
<tr>
<td>perla FR</td>
<td>374.. / 375..</td>
<td>—</td>
<td>✓</td>
</tr>
<tr>
<td>perfotex</td>
<td>331.. / 332..</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>transolair</td>
<td>338..</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>vuscreen Alu</td>
<td>317..</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Solits Perform 92</td>
<td>92:20..</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>glass fibre screen</td>
<td>272..</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>valance, height 20 cm</td>
<td>—</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

### Shadeplus / drop valance

not available

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1) = only available with motor drive (surcharge)
2) = no intermediate sizes possible below width of 650 cm
3) = observe the minimum widths!

H = extension

N.B! Important background information can be found in the chapter “General Information”, in the section “Coupled Awnings”.

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Optional accessories

- wall connection profile (in pieces) with rubber sealing strip
- valance
- infrared heater 2500 W
- infrared heater 2500 W with integrated radio-controlled receiver 868 MHz
- LED spotline – light bar 110 × 70 mm with 5 W LED spotlights, width 180 cm / 3 spots or 300 cm / 5 spots
- LED spotline io – light bar 110 × 70 mm with 5 W LED spotlights with integrated dimmable radio-controlled receiver, width 180 cm / 3 spots or 300 cm / 5 spots
- automatic controls (light, wind, rain)

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

Fixture brackets

- face fixture bracket 100 mm 71994.
- face fixture bracket 60 mm 71995.
- face fixture bracket 200 mm 71996.
- face fixture bracket profile, undrilled, by the metre (max. 2 m) 71997.
- spreader plate A 430 × 160 × 12 mm 75328.
- spreader plate B 300 × 400 × 12 mm 75327.
- markilux panel 250 × 230 × 49 mm 76308.
- markilux panel continuous 76380.
- stand-off bracket wide 80–300 mm 77968.
- stand-off bracket narrow 80–300 mm 77967.
- top fixture bracket 90 mm 71651.
- top fixture bracket 200 mm 71652.
- top fixture bracket profile, undrilled, by the metre (max. 2 m) 701635.
- eaves fixture bracket 90 mm, 150 mm plate 71612.
- eaves fixture bracket 90 mm, 270 mm plate 71659.
- flat plate and angled bracket for eaves fixture, machine finish, 500 mm plate 716620.
- spreader plate 260 × 60 × 12 mm for eaves fixture bracket 75383.
Bracket fixture range

Awning with 2 folding arms

Overall awning width

<table>
<thead>
<tr>
<th>Overall awning width</th>
<th>250</th>
<th>300</th>
<th>350</th>
<th>400</th>
<th>450</th>
<th>500</th>
<th>550</th>
<th>600</th>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>168</td>
<td>230</td>
<td>260</td>
<td>300</td>
<td>340</td>
<td>380</td>
<td>410</td>
<td>450</td>
<td>490</td>
</tr>
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<td>200</td>
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<td></td>
</tr>
<tr>
<td>300</td>
<td>305</td>
<td>318</td>
<td>340</td>
<td>380</td>
<td>410</td>
<td>450</td>
<td>490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>355</td>
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<td>440</td>
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<td>418</td>
<td>440</td>
<td>450</td>
<td></td>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>BHT</th>
<th>No. of brackets</th>
<th>No. of fixing points</th>
</tr>
</thead>
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<td>W</td>
<td>6</td>
<td>2 4 3 6</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>2 6</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>2 8</td>
</tr>
<tr>
<td></td>
<td>BP</td>
<td>A 2 16 B 2 8</td>
</tr>
<tr>
<td></td>
<td>DP</td>
<td>A 2 16 B 2 8</td>
</tr>
<tr>
<td></td>
<td>PA</td>
<td>A 2 16 B 2 8</td>
</tr>
<tr>
<td></td>
<td>DE</td>
<td>A 2 16 B 2 8</td>
</tr>
<tr>
<td></td>
<td>DA</td>
<td>A 2 16 B 2 8</td>
</tr>
</tbody>
</table>

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form! If awnings are installed directly next to each other, a minimum distance of 50 mm must be maintained.

The pull-out forces necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the markilux.com website under “Pull-out Forces”.

1) = coupled awning in intermediate widths available on request with junction roller
2) = 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

A = arm position
BHT = bracket width
BP = spreader plate A or B, to be positioned behind the folding arm
DA = eaves fixture bracket
DE = top fixture bracket
DP = spacer plate 71642, to be positioned behind the rolltex bearing, in the case of spreader plate A or B
H = order dimension = extension
LR = rolltex bearing
M = order dimension = awning width
MB = bracket fixture range
PA = markilux panel, fixture profile, width 250 mm
W = face fixture bracket
Bracket fixture range

Awning with 3 folding arms

Overall awning width

<table>
<thead>
<tr>
<th></th>
<th>650</th>
<th>700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order dimensions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>B</td>
<td>A</td>
</tr>
<tr>
<td>150</td>
<td>—</td>
<td>540</td>
</tr>
<tr>
<td>200</td>
<td>—</td>
<td>540</td>
</tr>
<tr>
<td>250</td>
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<td>550</td>
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<td>—</td>
<td>580</td>
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<tr>
<td>350</td>
<td>615</td>
<td>230</td>
</tr>
<tr>
<td>400</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

Arm position

<table>
<thead>
<tr>
<th>H</th>
<th>150</th>
<th>650</th>
<th>700</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>6</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>20</td>
<td>3</td>
<td>12</td>
<td>—</td>
</tr>
<tr>
<td>BP</td>
<td>A 3</td>
<td>24</td>
<td>B 3</td>
</tr>
<tr>
<td>DP</td>
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<tr>
<td>PA</td>
<td>4</td>
<td>16</td>
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<tr>
<td>DE</td>
<td>9</td>
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<td>4</td>
</tr>
<tr>
<td>20</td>
<td>3</td>
<td>18</td>
<td>—</td>
</tr>
<tr>
<td>DA</td>
<td>9</td>
<td>4</td>
<td>16</td>
</tr>
</tbody>
</table>

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form! If awnings are installed directly next to each other, a minimum distance of 50 mm must be maintained.

The pull-out forces necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the markilux.com website under “Pull-out Forces”.

1) = coupled units are not available with junction roller
2) = face fixture with spreader plate A or B including 3 face fixture brackets 100 mm 71994, and 1 face fixture bracket 60 mm 71995.

A, B = arm position
BHT = bracket width
BP = spreader plate A or B, to be positioned behind the folding arm
DA = eaves fixture bracket
DE = top fixture bracket

DP = spacer plate 71642, to be positioned behind the rolltex bearing, in the case of spreader plate A or B
H = order dimension = extension
LR = rolltex bearing
M = order dimension = awning width
MB = bracket fixture range
PA = markilux panel, fixture profile, width 250 mm
W = face fixture bracket
Face fixture

Fixtures, fittings and accessories

**Face fixture bracket**
- Dimensions in mm
  - **GD** = rubber sealing strip

**Spacer plate**
- **100 x 150 x 20 mm**
- **100 x 150 x 12 mm**

**Face fixture bracket**
- **60 mm**
- **200 mm**

**Face fixture bracket by the metre, undrilled**

**Cover plate**
- **230 x 210 x 2 mm**

**Cover plate for spacer plate and stand-off brackets in the case of external insulation**
- **230 x 230 x 2 mm**

**Bolt reduction assembly**
- **Pack 10 pcs**
- **M16 → M12**
- **M16 → M10**
- **M12 → M10**
- **M10 → M10**

**Dimension in mm**

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**Markilux 3300**

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Face fixture with spreader plate A

Fixtures, fittings and accessories

- Face fixture bracket 100 mm: 71994.
- Spread 430 × 160 × 12 mm: 75324.
- Bolt reduction assembly pack 10 pcs: M16 → M12, M16 → M10, M12 → M10, M10 → M10.
- Face fixture bracket 60 mm: 71995.
- Spacer plate for face fixture 60 × 140 × 12 mm: 71642.

In the case of face fixture using spreader plate A, the rubber sealing strip can only be used in combination with the spacing profile (751971).
Face fixture with spreader plate B

Fixtures, fittings and accessories

- Face fixture bracket 100 mm: 71994.
- Spreader plate B face fixture 300 × 400 × 12 mm: 75323.
- Bolt reduction assembly pack 10 pcs: 71995.
- Spacer plate for face fixture 60 × 140 × 12 mm: 71642.

In the case of face fixture using spreader plate A, the rubber sealing strip can only be used in combination with the spacing profile (751971).
Face fixture with markilux panel 250 mm

Fixtures, fittings and accessories

- markilux panel 250 mm
  Befestigungsschiene
  mit Abdeckungen und Seitenkappen
  250 × 230 × 49 mm
  76308.

- face fixture bracket
  30 mm
  71994.

- face fixture bracket
  60 mm
  71995.

Dimensions in mm
Face fixture with markilux panel continuous
Fixtures, fittings and accessories

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

76385. = wall sealing profile (standard width = awning width (M))
L = individual width, max. 7000 mm
X = fixing point separation, by way of example
**Face fixture with stand-off bracket**

**Fixtures, fittings and accessories**

- **face fixture bracket**
  - 60 mm
  - 71995.

- **guide rod bracket**
  - for 2 face fixture brackets 71995.
  - 77968.

- **cover plate**
  - for spacer plate and stand-off brackets in the case of external insulation
  - 230 × 210 × 2 mm
  - 71843.

- **guide rod bracket**
  - for face fixture bracket 71995.
  - 77967.

- **cover plate**
  - for spacer plate and stand-off brackets in the case of external insulation
  - 210 × 230 × 2 mm
  - 71844.

- **bolt reduction assembly**
  - pack 10 pcs
  - M 16 → M 12
  - M 16 → M 10
  - M 12 → M 10
  - M 10 → M 10

- **cover plate**
  - for spacer plate and stand-off brackets in the case of external insulation
  - 210 × 230 × 2 mm
  - 71844.

- **cover plate**
  - for spacer plate and stand-off brackets in the case of external insulation
  - 210 × 230 × 2 mm
  - 71844.

- **guide rod bracket**
  - for 2 face fixture brackets
  - 71995.

- **guide rod bracket**
  - for face fixture bracket
  - 71995.

- **cover plate**
  - for spacer plate and stand-off brackets in the case of external insulation
  - 210 × 230 × 2 mm
  - 71844.

- **bolts reduction assembly**
  - pack 10 pcs
  - M 16 → M 12
  - M 16 → M 10
  - M 12 → M 10
  - M 10 → M 10

dimensions in mm
Top fixture

Fixtures, fittings and accessories

- **top fixture bracket**
  - 90 mm
  - **71651.**

- **spacer plate for top fixture**
  - 90 x 140 x 20 mm
  - N.B! stack to a max. height of 200 mm
  - **716311**

- **top fixture bracket**
  - 200 mm
  - **71652.**

- **top fixture bracket profile**
  - by the metre, undrilled
  - **701635**

- **top fixture bracket profile**
  - **71652.**

Dimensions in mm
Eaves fixture

Fixtures, fittings and accessories

With eaves fixture bracket 150 mm (71612.)

With eaves fixture bracket 270 mm (71659.)

dimensions in mm
Eaves fixture with additional plate

Fixtures, fittings and accessories

Eaves fixture bracket 90 mm

Top fixture bracket 90 mm

Eaves fixture bracket 150 mm plate

Eaves fixture bracket 270 mm

Supplementary flat plate eaves fixture 260 × 60 × 12 mm

With eaves fixture bracket 150 mm (71612.)

With eaves fixture bracket 270 mm (71659.)

Dimensions in mm
Face fixture, manual operation

Side view

Front view

dimensions in mm
Reveal fixture
Front profile slightly open

Front profile flush

dimensions in mm
Motor cable exit point

dimensions in mm

markilux 3300
Cassette awning