markilux 8850

Round, square, flexible – the designer conservatory awning with indented guide tracks for bevel-edged conservatories

rated to wind resistance class 2 (corresponds to Beaufort 5)
Design Features

the round cassette and angular guide tracks harmonise perfectly with one another and with the shapes found in contemporary conservatory design

when fully extended the rounded front profile harmonises perfectly with the ends of the guide tracks

when closed the blind cover is protected from the weather by the fully encompassing cassette

for long-lasting attractiveness the awning has been powder coated

Technical Specification

awning completely pre-assembled and tested in the factory

indented guide tracks – for use on bevel-edged conservatories

guide tracks can be indented up to 100 cm – if the system is asymmetrical the difference left and right may not exceed 40 cm

guide tracks can overhang the outermost bracket by up to 100 cm, giving even more protection from the sun

permanently high cover tension is achieved by way of two special gas-piston mechanisms operating independently of one another

brackets with patented clip-on mechanism for simple, problem free installation

Optional Accessories

radio-controlled motor with remote control for comfortable operation, markilux remote control with ergonomic design

an easily installed, radio control light and wind sensor guarantees comfort and a degree of safety even in your absence

wall sealing profile to cover the gap between awning and wall

to simplify fixture, a broad selection of brackets is available

awning available in non-standard RAL colours
### Dimensions and configuration options

<table>
<thead>
<tr>
<th>M (min.)</th>
<th>150</th>
<th>200</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>
<th>650</th>
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<tbody>
<tr>
<td>M</td>
<td>80</td>
<td>151</td>
<td>201</td>
<td>251</td>
<td>301</td>
<td>351</td>
<td>401</td>
<td>451</td>
<td>501</td>
<td>551</td>
<td>601</td>
</tr>
<tr>
<td>Min.</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>350</td>
<td>400</td>
<td>450</td>
<td>500</td>
<td>550</td>
<td>600</td>
<td>650</td>
</tr>
</tbody>
</table>

1) additional guide track overhang of 90 mm

#### Operation / Drive unit

<table>
<thead>
<tr>
<th></th>
<th>standard</th>
<th>optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>hard-wired motor</td>
<td>✔</td>
<td>—</td>
</tr>
<tr>
<td>radio-controlled motor (433 MHz)</td>
<td>—</td>
<td>✔</td>
</tr>
<tr>
<td>io radio-controlled motor</td>
<td>—</td>
<td>✔</td>
</tr>
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</table>

#### Covers

<table>
<thead>
<tr>
<th>fabric range no.</th>
<th>standard</th>
<th>optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>sunsilk snc</td>
<td>324 xx / 328 xx / 369 xx</td>
<td>✔</td>
</tr>
<tr>
<td>sunvas snc</td>
<td>310 xx / 311 xx / 313 xx / 315 xx</td>
<td>✔</td>
</tr>
<tr>
<td>sunsilk perla FR</td>
<td>374 xx</td>
<td>—</td>
</tr>
<tr>
<td>perfotex</td>
<td>332 xx</td>
<td>✔</td>
</tr>
<tr>
<td>sunvas perla</td>
<td>370 xx</td>
<td>—</td>
</tr>
</tbody>
</table>

2) only available in tracfix units

#### Frame colours

<table>
<thead>
<tr>
<th></th>
<th>standard</th>
<th>optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>traffic white</td>
<td>RAL 9016</td>
<td></td>
</tr>
<tr>
<td>metallic aluminium</td>
<td>RAL 9006</td>
<td></td>
</tr>
<tr>
<td>anthracite metallic</td>
<td>RAL 5204</td>
<td></td>
</tr>
<tr>
<td>grey brown, similar to RAL 8019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

#### Dimensions and tolerances

<table>
<thead>
<tr>
<th></th>
<th>width</th>
<th>drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>housing tolerances</td>
<td>+5 / −5 mm</td>
<td></td>
</tr>
<tr>
<td>awning cover width</td>
<td>fixture width − 60 mm</td>
<td>overall awning width − 160 mm</td>
</tr>
<tr>
<td>awning cover length</td>
<td>on request</td>
<td></td>
</tr>
</tbody>
</table>

3) up to a maximum awning pitch of 15°

4) for units with guide tracks at the outer extremities

5) for units with indented guide tracks

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= hard-wired motor
= radio-controlled motor (433 MHz)

M = overall width
M min. = minimum widths
H = extension
The width of the awning cover is always less than that of the awning.

**Definition of fixture / order width:** The order width is a combination of the fixture width i.e. the measurement from fixture point to fixture point on the conservatory and the overhang on either side. The overhang on the left and on the right may be between 10 cm and 100 cm (see the L and R measurements in the diagram). The fixture width must be greater than the larger of the two overhangs (L and R). In the case of asymmetrical units the difference between the overhang on the left (L measurement) and the overhang on the right (R measurement) may not exceed 40 cm. The fixture width tolerance is +5 mm / –10 mm.

**Definition of extension:** the nominal extension is measured with the awning extended from the back of the cassette to the leading edge of the front profile (the guide tracks will extend 90 mm past this point). For the tolerance in the extension please consult the section “Technical Information”.

**Definition of operating side:** the operating side is always given as if seen from the outside looking towards the cassette (right or left).

In cases of face fixture the awning can be set at a pitch of between 5° and 45°. Track-only mounted awnings can be set at pitches of up to 90°.

The markilux 8850 cannot be made to run uphill.

**N.B!** If the motor is used continuously it will stop automatically after 3 to 4 minutes to prevent overheating.

**N.B!** In contrast to standard motors, radio-controlled motors have no safety cut-out mechanism if the front profile is obstructed. If this function is desired in combination with radio-controlled operation, order the hard-wired motor with an external radio receiver and an appropriate transmitter.

In the case of a bank of blinds operating simultaneously, the same speed of rotation of the motors cannot be guaranteed because of the internal tolerances of the motors.

The extension rate of a single unit with hard-wired motor takes approximately 18 seconds per metre.

**N.B!** From an extension of 351 cm the cover may sag during extension and retraction of the awning. In windy or wet weather and with cover areas larger than 16 m² the cover may come into contact with the conservatory roof.

This model is only available as a single unit.

Depending on the size of the awning, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. This affects neither the functionality nor the durability of the awning.
Fixtures, fittings and accessories

**Cassette fixture brackets**

- **Face fixture bracket assembly**
  - Pitch adjustment range: 5—45°
  - Left

- **Bottom fixture bracket assembly**
  - For mounting onto a frame
  - Left

- **Track / housing connector bracket assembly**
  - Left, included with the delivery

- ** Raised cassette fixture bracket assembly**
  - 220—530 mm
  - Left

- **风暴安全夹 / 闭合导轨**
  - 220—530 mm
  - Right

**Accessories**

- **Wall sealing profile**
  - Available by the metre
  - Assembly example: see "Face fixture with wall sealing profile"

- **Diagonal tensioning kit**
  - (2 wire tensioners, 1 tensioned wire)

- **Storm safety clip / closing guide**

. = insert RAL colour code no.
Fixtures, fittings and accessories

Track brackets

- **76207.** Flat track bracket assembly
- **76048.** Track bracket assembly with adjustable head
- **76085.** Track bracket assembly fixture type 32
- **76199.** Track bracket assembly with adapter plate
- **7653.** Universal track bracket assembly
- **7602.** Track bracket assembly for transom fixture
- **78570.** Track bracket assembly for adjustable head

Footprint dimensions of track brackets with adjustable head

- **76046.** Track bracket assembly with adjustable head
- **76047.** Track bracket assembly with adjustable head
- **76045.** Track bracket assembly with adjustable head and foot
- **76165.** Vario-V bracket assembly for track fixture

Track bracket assembly with adjustable head

- **76054.** Universal track bracket assembly
- **76055.** Track bracket assembly for transom fixture
- **76056.** Flat track bracket assembly for lateral track fixture

Tracker bracket assembly with adjustable head

- **76048.** Track bracket assembly with adjustable head
- **76047.** Track bracket assembly with adjustable head
- **76045.** Track bracket assembly with adjustable head and foot

Refer also to the section "Installation dimensions"

- **76054.** Universal track bracket assembly
- **76055.** Track bracket assembly for transom fixture
- **76056.** Flat track bracket assembly for lateral track fixture

. = Insert RAL colour code no.
Fixture combinations
All brackets incur a surcharge

Fixture type 11
- from an extension of 4001 mm an additional bracket 76207. per guide track is required

Fixture type 12
- from an extension of 4001 mm, fixture type 51

Fixture type 32
- from an extension of 4001 mm an additional bracket 76046. per guide track is required

Fixture type 51
- up to an extension of 4000 mm, fixture type 12

Fixture type 61
- from an extension of 4001 mm, fixture type 81
- diagonal tensioners are recommended

Fixture type 81
- up to an extension of 4000 mm, fixture type 61
- diagonal tensioners are recommended

Individual bracket combinations – see “Fixtures, fittings and accessories”. Please note the minimum quantity required for the width and unit height you intend to order!
Installation dimensions

Dimensions single unit

Attention! The awning fixture width must be greater than both the L and the R measurements. The difference between the L dimension and the R dimension may not exceed 400 mm.
Installation dimensions

Fixture type 11, bottom fixture

Fixture combination 12, face fixture

H = nominal extension
M = overall awning width
LM = L dimension
RM = R dimension
BA = width between fixture points
W = distance from cassette to wall
AX = in cross section
MA = awning fixture width = awning width between fixture points
76063. = face fixture cassette bracket, left
76064. = face fixture cassette bracket, right
76175. = housing fixture bracket, left
76176. = housing fixture bracket, right
76207. = flat track bracket, up to an extension of 4000 mm, 1 per track, from an extension of 4001 mm, 2 per track
76046. = track bracket with adjustable head, up to an extension of 4000 mm, 1 per track, from an extension of 4001 mm, 2 per track
Installation dimensions

Fixture type 32, track fixture

H = nominal extension
M = overall awning width
MA = awning fixture width = awning width between fixture points
LM = L dimension
RM = R dimension
BA = width between fixture points
W = pitch
AX = distance from cassette to wall
S = in cross section
76046. = track bracket with adjustable head
76052. = vario-V bracket
76063. = face fixture cassette bracket, left
76064. = face fixture cassette bracket, right
76084. = raised cassette fixture bracket
76175. = cassette fixture bracket, left
76176. = cassette fixture bracket, right

Dimensions in mm
Installation dimensions

Fixture type 61, raised bottom fixture

Cross section A-B, fixture types 61 and 81

Dimensions in mm

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>Nominal extension</td>
</tr>
<tr>
<td>M</td>
<td>Overall awning width</td>
</tr>
<tr>
<td>MA</td>
<td>Awning fixture width = awning width between fixture points</td>
</tr>
<tr>
<td>LM</td>
<td>L dimension</td>
</tr>
<tr>
<td>RM</td>
<td>R dimension</td>
</tr>
<tr>
<td>BA</td>
<td>Width between fixture points</td>
</tr>
<tr>
<td>S</td>
<td>In cross section</td>
</tr>
</tbody>
</table>

76071. = raised cassette fixture bracket, left
76072. = raised cassette fixture bracket, right
76045. = Track bracket with adjustable head and foot
76046. = Track bracket with adjustable head

Dimensions in mm:
- Min. 100
- Max. 1000
- Min. 220
- Max. 530
Installation dimensions

Fixture type 81, raised bottom fixture using vario-V brackets

Face fixture with wall sealing profile

<table>
<thead>
<tr>
<th>W</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>5°</td>
<td>122</td>
</tr>
<tr>
<td>10°</td>
<td>114</td>
</tr>
<tr>
<td>15°</td>
<td>105</td>
</tr>
<tr>
<td>20°</td>
<td>—</td>
</tr>
<tr>
<td>25°</td>
<td>—</td>
</tr>
<tr>
<td>30°</td>
<td>—</td>
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<tr>
<td>35°</td>
<td>—</td>
</tr>
<tr>
<td>40°</td>
<td>—</td>
</tr>
<tr>
<td>45°</td>
<td>—</td>
</tr>
</tbody>
</table>

W = pitch
X = distance from the top edge of the face fixture bracket to the top edge of the wall sealing profile

76071. = raised cassette fixture bracket, left
76072. = raised cassette fixture bracket, right
76046. = track bracket with adjustable head
76052. = vario-V bracket
77780. = wall sealing profile effective up to a maximum awning pitch of 15°
Installation dimensions
Bracket position, face fixture, fixture types 12 and 51

Cross section through the guide track with view of the bogey and the cassette housing

Dimensions in mm

M = overall awning width
MA = awning fixture width = awning width between fixture points
LM = L dimension
RM = R dimension
BA = width between fixture points
AU = exterior
IN = interior