



Rated to wind resistance class 2 or 3
(depending on the dimensions)
corresponds to Beaufort force 5 or 6

markilux 779 / 779 tracfix

The perfect underglass awning for large areas.

**The consistently square shape of the cassette emphasizes
the look of every glass canopy.**



reddot design award
winner 2017

markilux.com

markilux
safe timeless beautiful

01 Special features

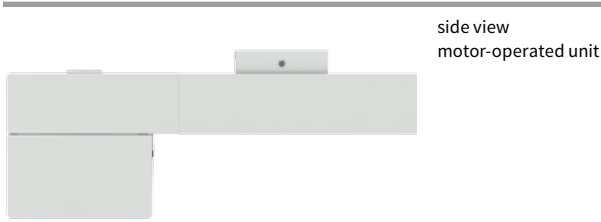
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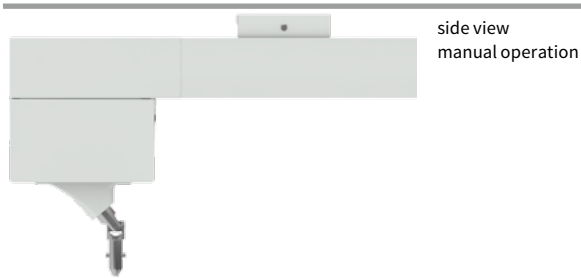
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Design Features

beautifully crafted, square aluminium cassette

the square cassette and square guide tracks harmonise perfectly

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

the panel joints of the awning cover are ultrasonically bonded – giving an improved appearance without bothersome stitching

when retracted the cover is protected from the weather by the cassette, which encloses it completely

Technical Specification

permanently high cover tension is achieved by way of two special gas-piston mechanisms in the front profile

the extremely sturdy awning construction makes it possible to shade large areas of up to 16 m² safely

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

manual operation by way of a markilux stainless steel winding handle (not available in tracfix units)

to simplify installation, a broad selection of brackets is available

Accessories

tracfix system – attractive, completely closed appearance with no annoying gap between the blind cover and the tracks

hard-wired motor drive (optionally with automatic weather sensors) for straight-forward operation by means of a wall switch

radio-controlled motor with radio remote control for ease of use

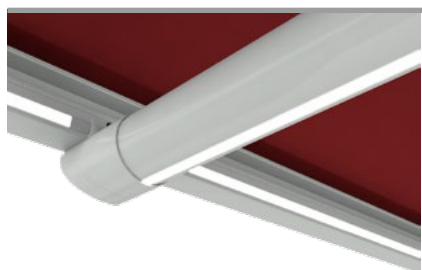
awning available in non-standard RAL colours

various lighting choices are optionally available in energy-saving LED technology and create an engaging atmosphere:

- LED line in the lateral guide tracks
- LED line in the cover support tube
- LED spotlights in the cover support tube
- LED spotlights at the cover cassette

Lighting options

01



LED line in the guide tracks and cover support tube



LED line in the guide tracks and LED spotlights in the cover support tube

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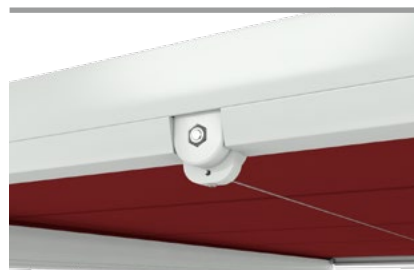
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LED line in the guide tracks with cover support by way of a stainless steel wire

view from inside



LED line in the guide tracks with cover support by way of a stainless steel wire

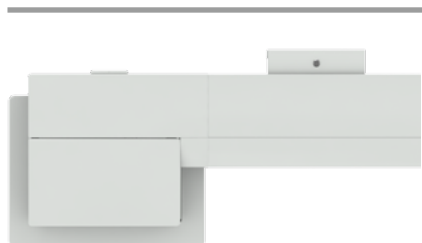
view from outside

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clever and attractive power supply solution if lighting is fitted



LED spotlights at the cover cassette

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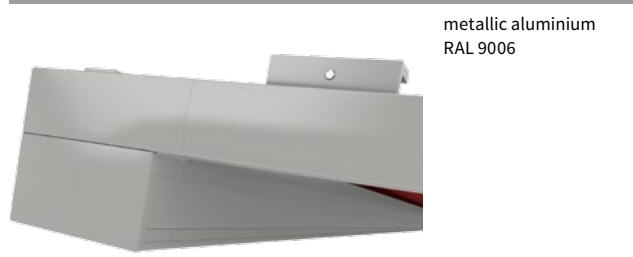
Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

01 Frame colours

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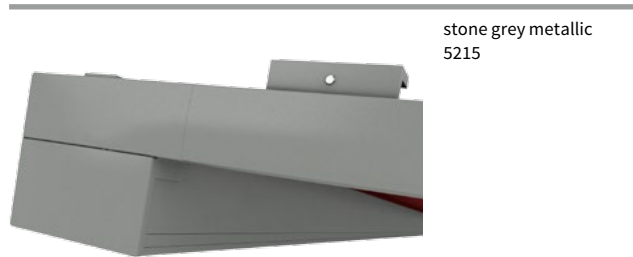
traffic white
RAL 9016



metallic aluminium
RAL 9006



off-white textured finish
5233



stone grey metallic
5215



anthracite metallic
5204



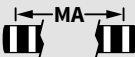



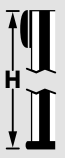
Havana brown
textured finish
5229



grey brown, similar
to RAL 8019

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

Dimensions and configuration options

| | |  | | | | | | | | | |  | |
|---|-------------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|---|
| | | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | | |
| | | 60 150 | 151 200 | 201 250 | 251 300 | 301 350 | 351 400 | 401 450 | 451 500 | 501 550 | 551 600 |  |  |
| M | | + 5,4 | | | | | | | | | | | |
|  | 150 ¹⁾ | | | | | | | | | | | 60 / 67 ¹⁾ | 70 / 76 ¹⁾ |
| | 200 ¹⁾ | | | | | | | | | | | | |
| | 250 ¹⁾ | | | | | | | | | | 2) | | |
| | 300 ¹⁾ | | | | | | | | 2) | 2) | 2) | 107 ³⁾ | 107 ³⁾ |
| | 350 ¹⁾ | | | | | | 2) | 2) | 2) | 2) | 2) | | |
| | 400 ¹⁾ | 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 cover supports consisting of a stainless steel wire

dimensions in cm









- 1) tracfix (optional). **tracfix awnings** are **only available with motor**
- 2) these sizes meet wind resistance class 2,
all sizes that have not been marked in this way meet wind resistance class 3
- 3) from an extension of 281 cm

Operation / Drive unit

| | Standard | Optional |
|----------------------------------|---|-------------------------------------|
| manual operation | <input checked="" type="checkbox"/> ⁵⁾ | — |
| hard-wired motor | <input checked="" type="checkbox"/> ⁶⁾ | <input checked="" type="checkbox"/> |
| radio-controlled motor (433 MHz) | — | <input checked="" type="checkbox"/> |
| io Radio control | — | <input checked="" type="checkbox"/> |

- 5) not available in tracfix units
- 6) in tracfix units


Frame colours


| | Standard | Optional |
|------------------------------------|---|---|
| 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 | |  |


* = textured finish

Radio-controlled LED lighting

| | Radio RTS (433 MHz) | Radio io (868 MHz) |
|----------------|---------------------|---------------------|
| LED spotlights | on / off / dimmable | on / off / dimmable |
| LED line | standard | optional |

 = motor

 = radio-controlled motor (433 MHz)

 = no. of brackets per track

MA = awning fixture width

MA min. = minimum fixture width

M = overall width

H = extension

01 Additional Information

The width of the awning cover is always **less** than that of the awning.

Fixture / order width definition: The order width is the awning fixture width i.e. the measurement from fixture point to fixture point underneath the glass canopy. The overall width is larger than the fixture width (see matrix). The tolerance in the width is + 5 mm / - 10 mm.

Definition of the extension: The extension is measured from the back of the cassette to the leading edge of the guide track.

This model is only available as a **single unit**.

Covers

| | Fabric range no. | Standard | Optional |
|--------------|------------------------------------|--|--|
| sunsilk snc | 324 .. / 328 .. / 369 .. | <input checked="" type="checkbox"/> 1) | — |
| sunvas snc | 310 .. / 311 .. 313 .. — 315 .. | <input checked="" type="checkbox"/> 1) | — |
| transolair | 338 .. | — | <input checked="" type="checkbox"/> 2) |
| perfotex ALU | 332 .. | <input checked="" type="checkbox"/> 3) | — |
| vuscreen ALU | 317 .. | — | <input checked="" type="checkbox"/> 4) |
| Soltis 92 | | — | <input checked="" type="checkbox"/> 5) |

1) without tracfix up to a max. extension of 450 cm (in tracfix units 400 cm) with vertical bonded seams

2) non-tracfix systems: available up to a fixture width of 400 cm, seamless up to an extension of 250cm, then with horizontal seam(s); tracfix systems: available in all tracfix sizes, seamless up to 400 cm x 250 cm, then with horizontal seam; from a fixture width of 401 cm in vertical panels approx. 122 cm wide

3) non-tracfix systems: available up to a maximum extension of 400 cm - then with lengthwise bonded seams; tracfix systems: available in all tracfix sizes, then with lengthwise bonded seams

4) up to a maximum fixture width of 400 cm and a maximum extension of 400 cm, depending on the width and unit extension with horizontal bonded seam; from a fixture width of 401 cm a max. extension of 250 cm is available (seamless)

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

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

The **rate of extension** with either a hard-wired or a radio-controlled motor is approximately 14 seconds per metre.

Due to its own weight a certain amount of sag in the cover is possible. Depending on the size of the awning, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. Neither phenomenon has any negative effect on the function or operation of the awning if it has been fitted correctly.

Miscellaneous

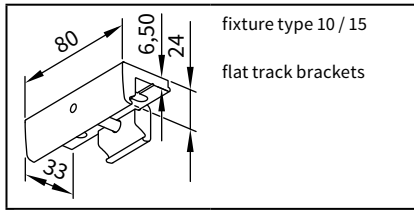
| | Standard | Optional |
|--------------|----------|-------------------------------------|
| tracfix | — | <input checked="" type="checkbox"/> |
| light sensor | — | <input checked="" type="checkbox"/> |

Dimensions and tolerances

| | Width | Nominal extension |
|---------------------|-------------------|-------------------|
| housing tolerances | + 5 / - 10 mm | — |
| awning cover width | MA - 93 mm | |
| awning cover length | H - 70 mm | |

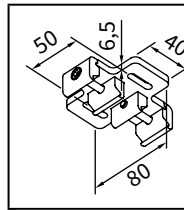
5) seamless up to an extension of 170 cm, then with horizontal seam(s)

Fixtures, fittings and accessories



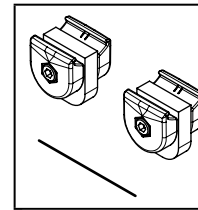
fixture type 10 / 15
flat track brackets

78548.



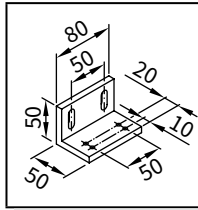
double track bracket
flat
2 single units

73627.



sprung bracket with
stainless steel cover
support wire
depending on size
included with
the delivery

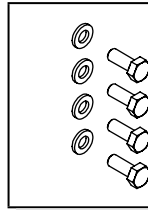
73639. und 771401



additional square
bracket for the bearing,
gearbox and motor
sides

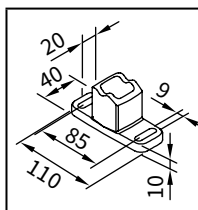
50 × 50 × 80 mm

78719.

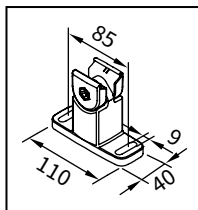


accessories for two
square brackets 78719.

787211



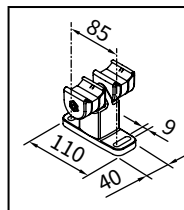
footprint dimensions
track bracket
with adjustable head



fixture type 20
track bracket
with adjustable head

80 mm

73624.

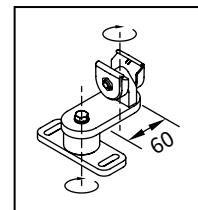


double track bracket
with adjustable head

central bracket for
2 single units next
to each other

80 mm

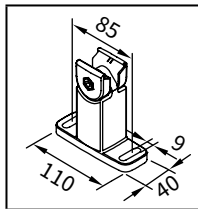
73631.



universal track bracket

80 mm

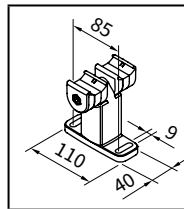
73629.



fixture type 21
track bracket
with adjustable head

100 mm

76046.

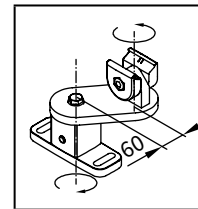


double track bracket
with adjustable head

central bracket for
2 single units next
to each other

100 mm

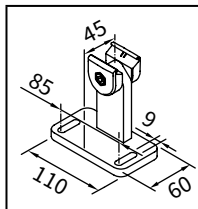
73634.



universal track bracket

100 mm

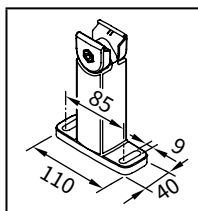
76054.



track bracket with
adjustable foot plate

100 mm

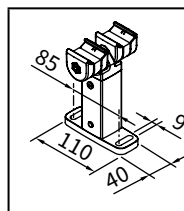
76199.



fixture type 22
track bracket
with adjustable head

140 mm

76048.



double track bracket
with adjustable head

140 mm

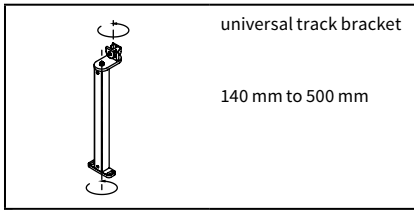
73636.

. = insert RAL colour code no

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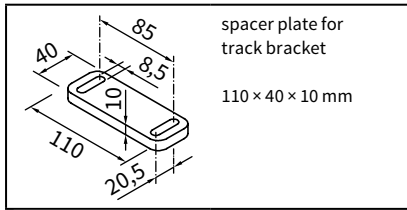
01 Accessories

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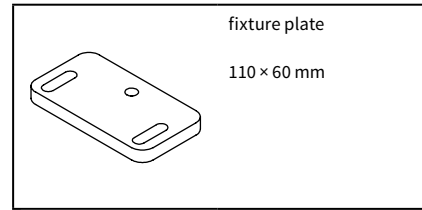
universal track bracket
140 mm to 500 mm

76053.



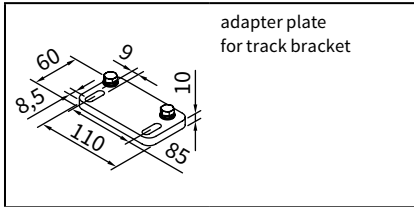
spacer plate for track bracket
110 × 40 × 10 mm

78570.



fixture plate
110 × 60 mm

78158.



adapter plate for track bracket

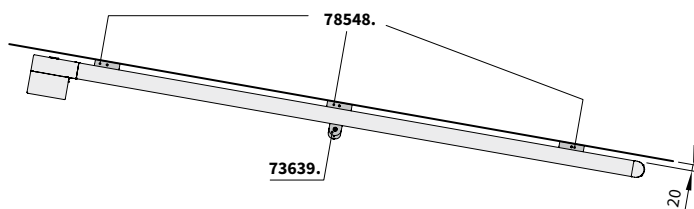
78165.

. = insert RAL colour code no

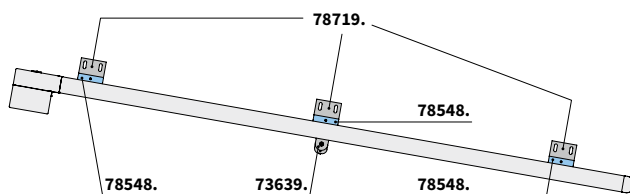
Fixture combinations

All brackets incur a surcharge

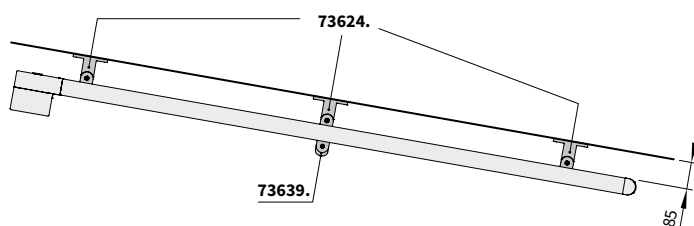
Fixture type
10



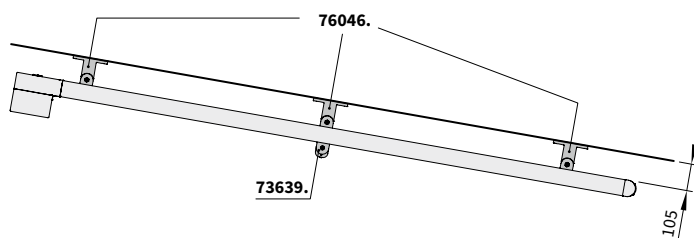
Fixture type
15



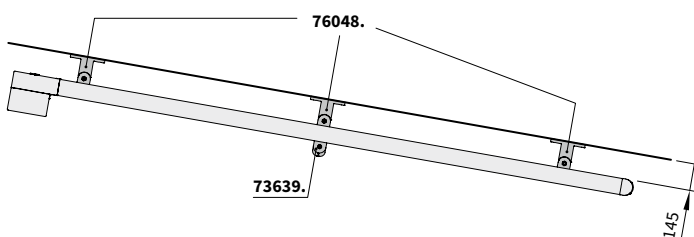
Fixture type
20



Fixture type
21



Fixture type
22

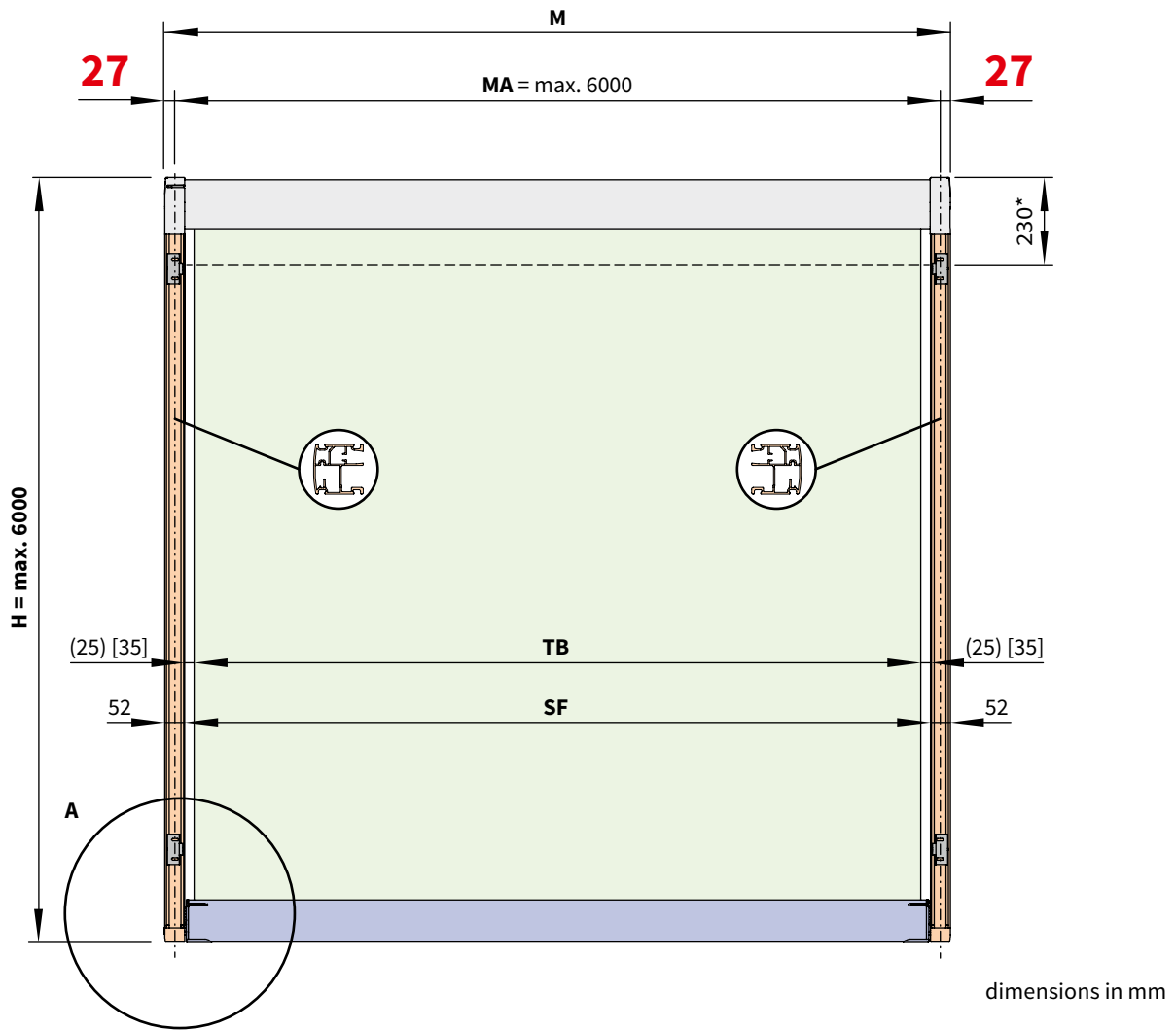


- for the required number of fixing brackets per guide track please refer to “Dimensions and feature options”
- for individual bracket combinations please refer to “Fixtures, fittings and accessories”
- the cover may sag during extension and retraction
- for the markilux 779 without tracfix system cover support wires and brackets are delivered, depending on the size; these brackets (part no. 73639.) have to be in the immediate vicinity of a fixture bracket
- the markilux 779 with tracfix system does not require any cover support wires

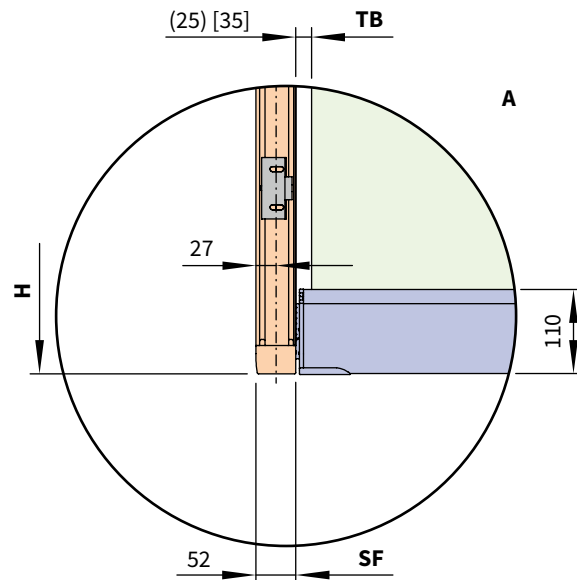
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01 Installation dimensions

Dimension overview single unit, 1 motor



dimensions in mm



H = nominal extension = **order extension**

M = overall awning width

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

TB = cover width

SF = visible cover (in tracfix systems)

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

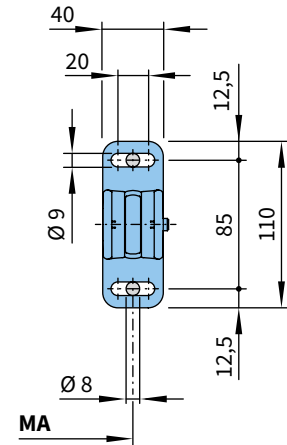
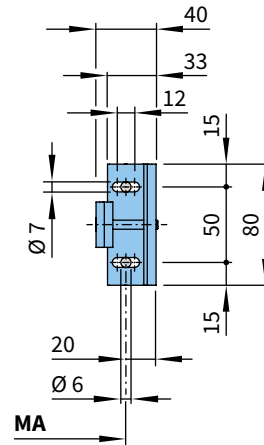
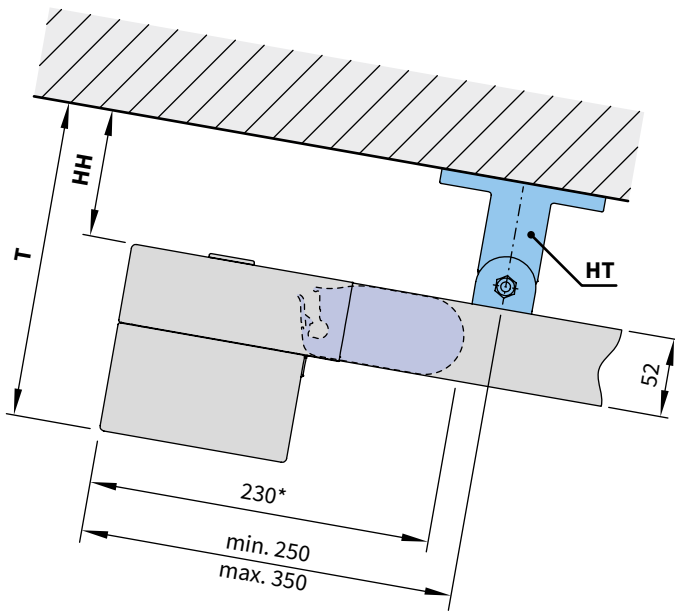
[...] = the gap between cover and guide track (non-tracfix units) in gearbox-operated units

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

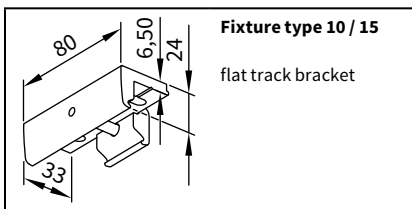
01 Dimensions overview

Fixture type 10

Fixture types 20, 21, 22



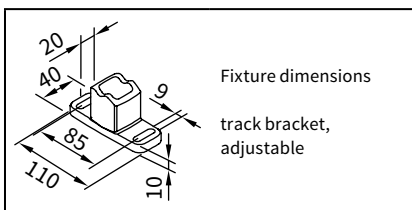
dimensions in mm



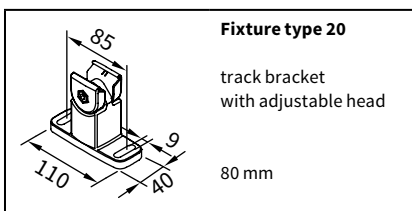
78548.

| Fixture type | 10 | 20 | 21 | 22 |
|---------------------------------|---------------|---------------|---------------|---------------|
| HT = bracket | 78548. | 73624. | 76046. | 76048. |
| HH = bracket height | 20 | 85 | 105 | 145 |
| T = overall height | 150 | 215 | 235 | 275 |
| MA = awning width/fixture width | | | | |

* = dimension with the awning retracted

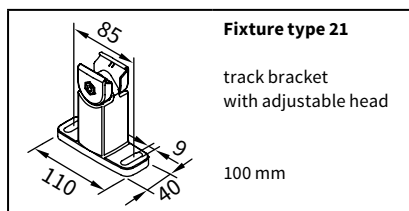


Fixture dimensions
track bracket,
adjustable



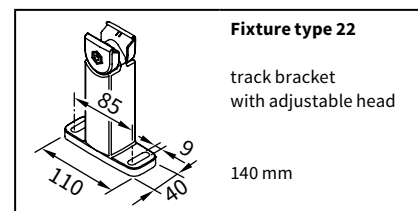
Fixture type 20
track bracket
with adjustable head
80 mm

73624.



Fixture type 21
track bracket
with adjustable head
100 mm

76046.



Fixture type 22
track bracket
with adjustable head
140 mm

76048.

* = dimension with the awning retracted

HH = bracket height (for dimensions please refer to "Dimension overview of fixture types 10, 20, 21 and 22")

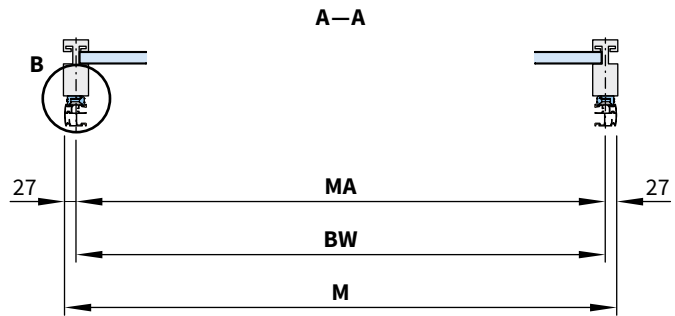
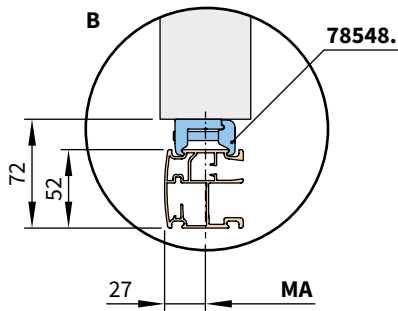
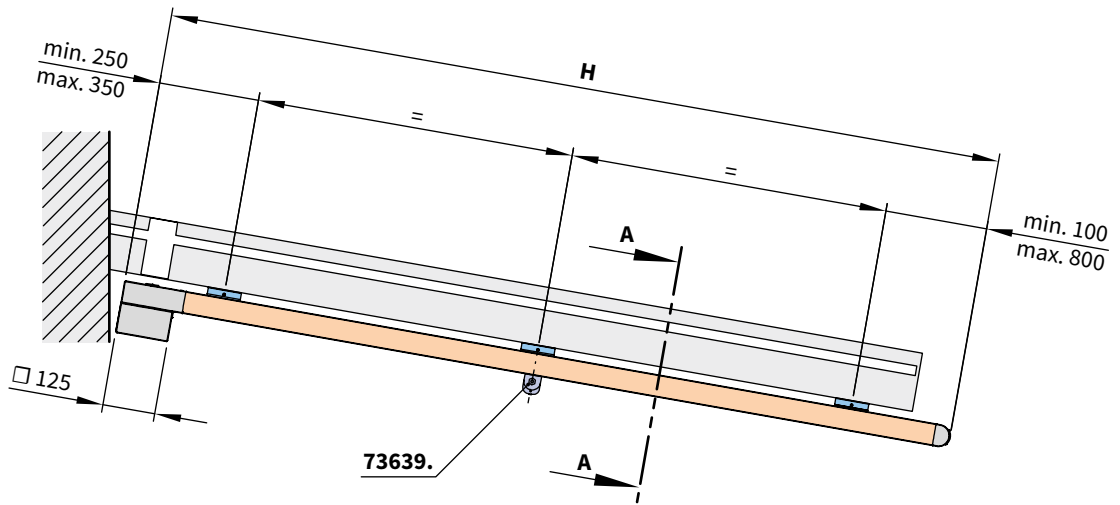
HT = bracket

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

T = overall height

Installation dimensions

Dimension overview fixture type 10



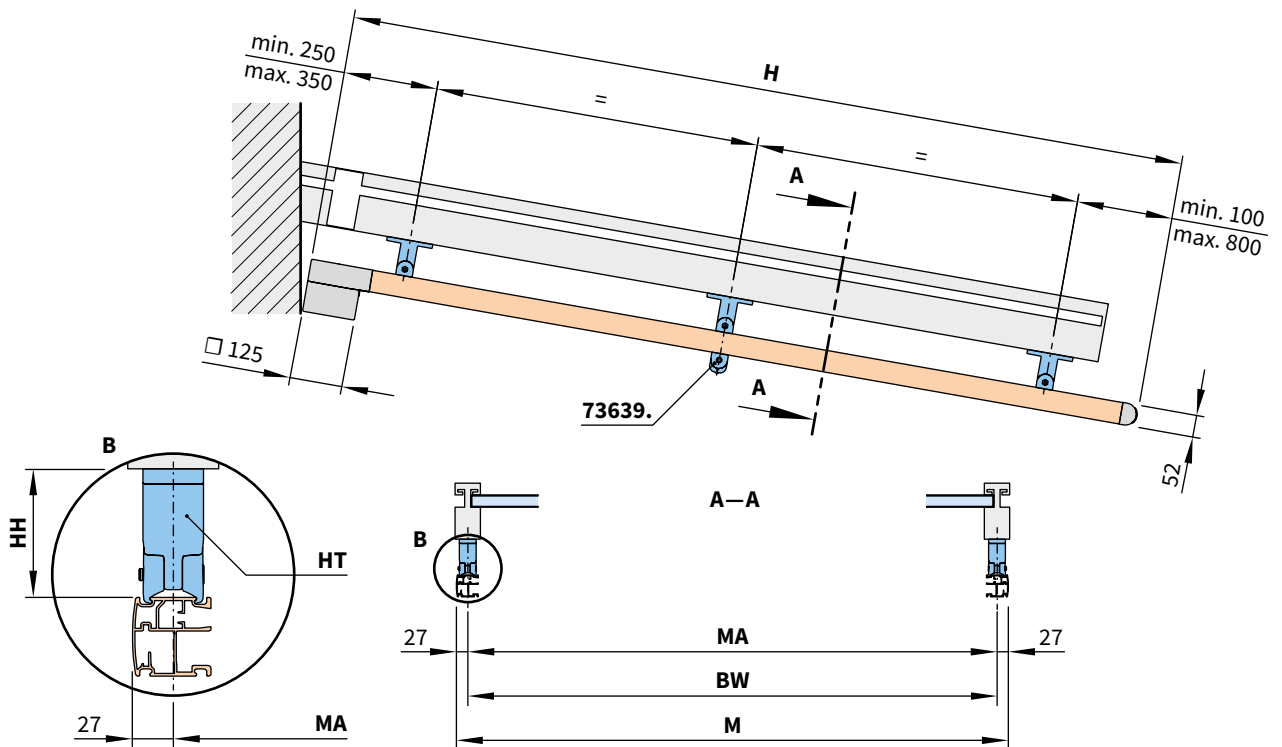
dimensions in mm

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

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Installation dimensions

Fixture types 20, 21, 22



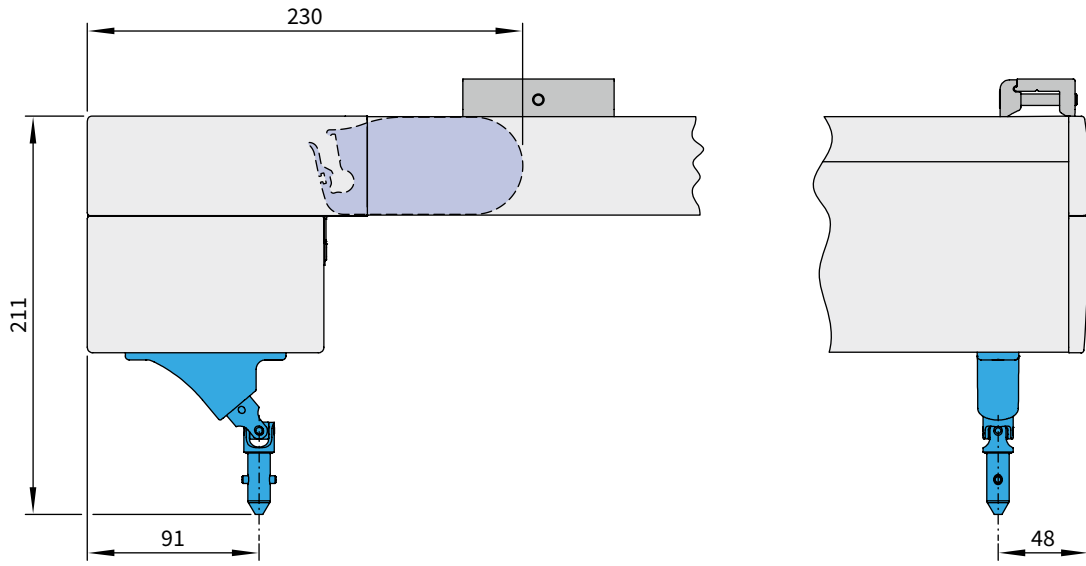
dimensions in mm

- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- BW** = width between fixture points on the conservatory
- HT** = bracket
- HH** = bracket height (for dimensions please refer to "Dimension overview of fixture types 10, 20, 21 and 22")

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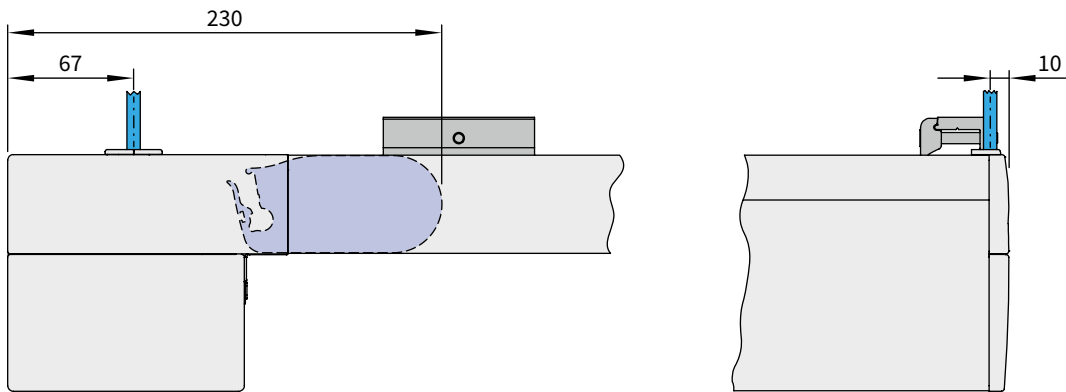
01 Installation dimensions

Dimensions in the case of manual operation



dimensions in mm

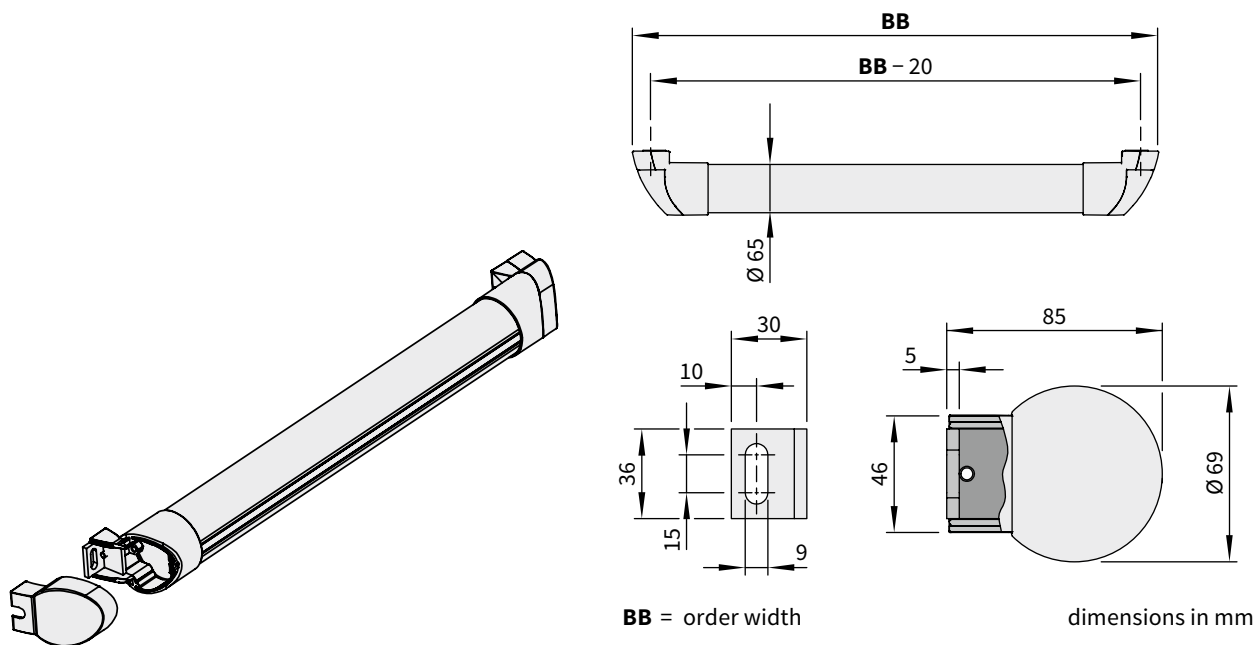
Cable exit point in the case of motor-driven units



dimensions in mm

E-box – Dimensions and types

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| Designation | Number | BB [mm] |
|----------------|--------|------------|
| E-box K | 73831. | 690 |
| E-box M | 73833. | 1240 |
| E-box G | 73835. | 1890 |
| E-box L | 73873. | 2000 |
| E-box I | 73837. | individual |

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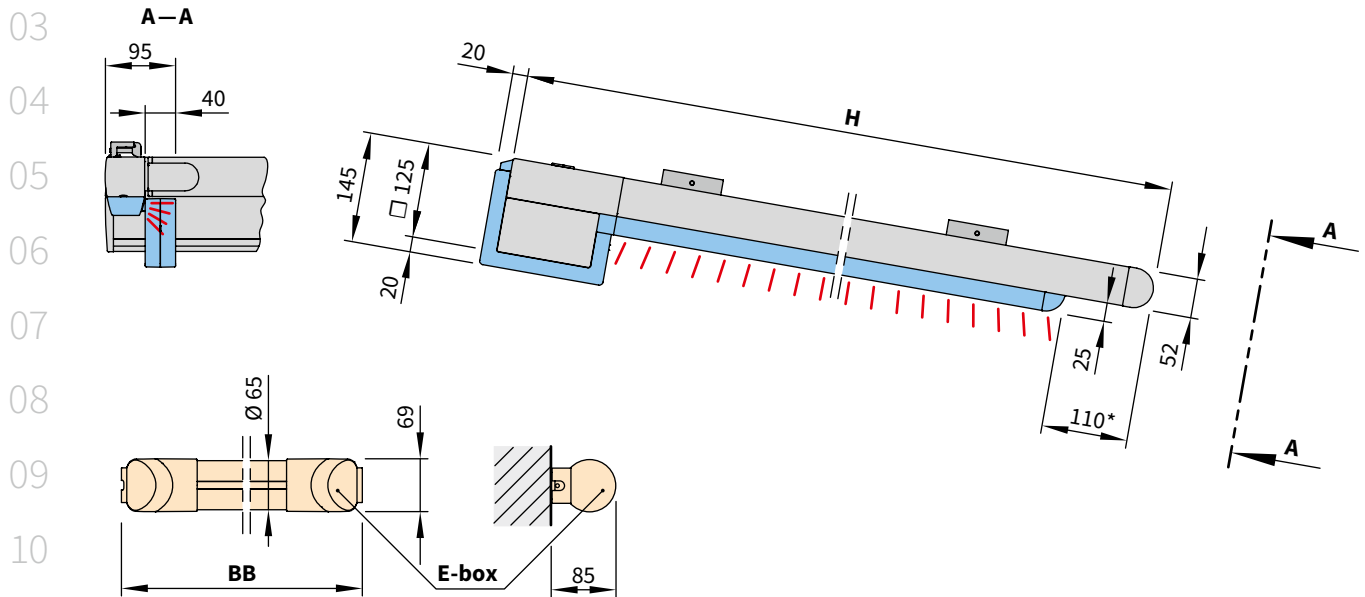
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| Radio technology | RTS | | io | |
|--|----------|----------|----------|----------|
| | ≤ 329 | ≥ 330 | ≤ 329 | ≥ 330 |
| Nominal extension H [cm] | ↓ | ↓ | ↓ | ↓ |
| Lighting options* | | | | |
| LED line in the guide tracks (with or without cover support wire) | K | M | M | G |
| LED spotlights at the cover cassette | K | K | M | M |
| LED line in the guide tracks and LED spotlights at the cover cassette | M | G | G | L |

*With these lighting options the E-box is included in the delivery, if the awning is not equipped with a support tube.

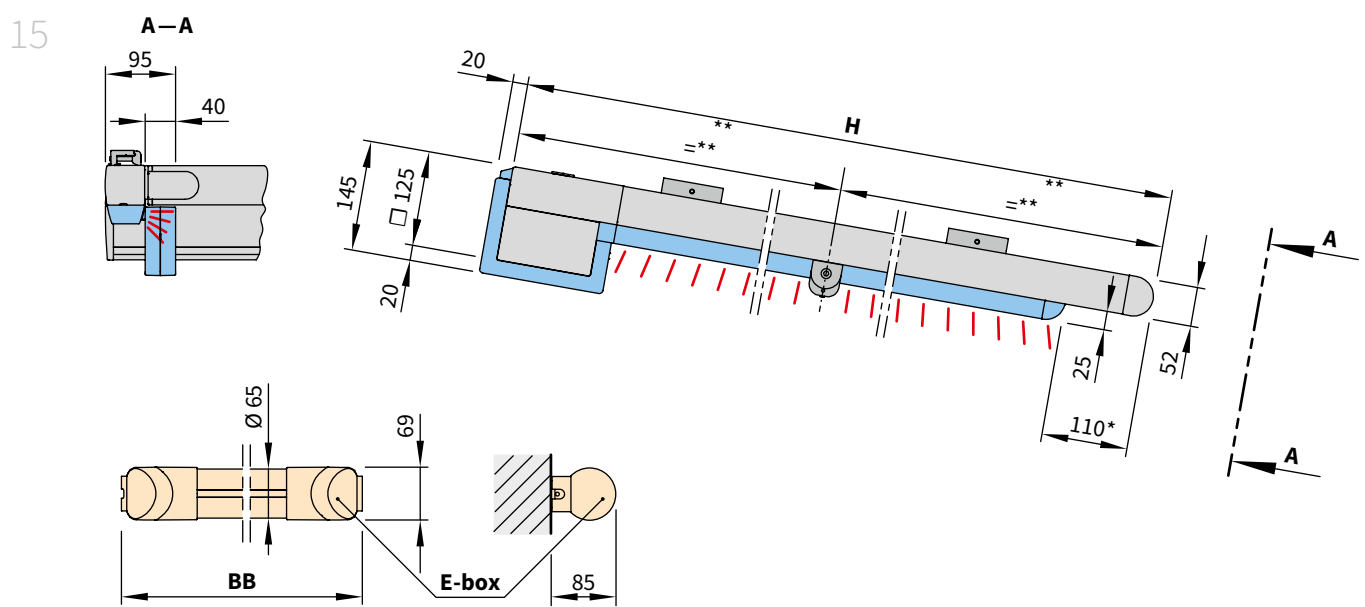
01 Lighting options

Version 1: LED line in the guide tracks, electronics in an E-Box



dimensions in mm

Version 1a: LED line in the guide tracks, electronics in an E-Box, cover supported by stainless steel wire



dimensions in mm

- * = 110 mm standard, 36 mm optional
- ** = cover support wire centred (standard), other positions are possible on request
- BB** = order width
- E-box** = please refer to the "E-box - Dimensions and types"
- H** = nominal extension = order extension

Lighting options

01

Version 2: LED line in the guide tracks and LED line in the cover support tube, electronics in the cover support tube

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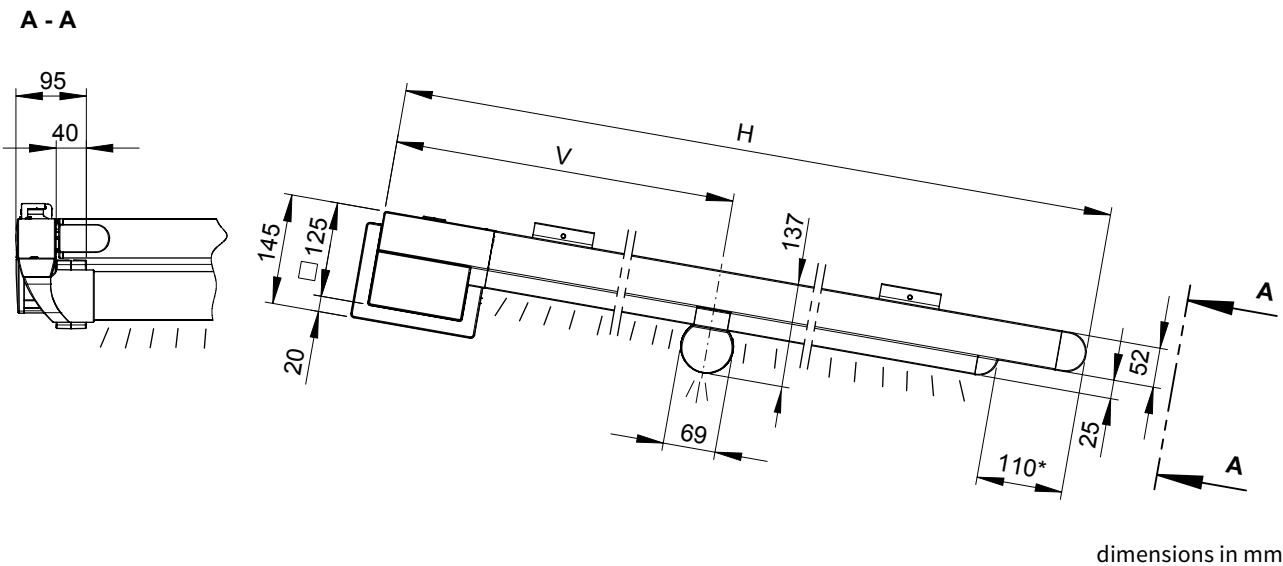
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dimensions in mm

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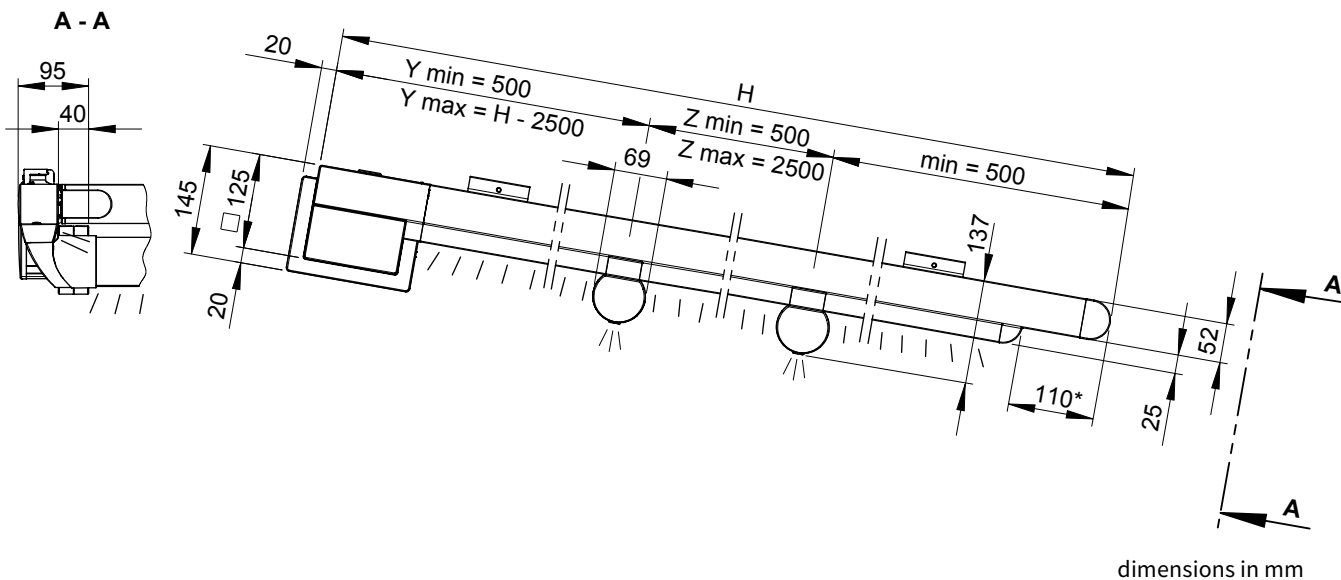
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Version 2a: LED line in the guide tracks, LED line in two cover support tubes, electronics in the cover support tube

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dimensions in mm

* = 110 mm standard, 36 mm optional

H = nominal extension = **order extension**

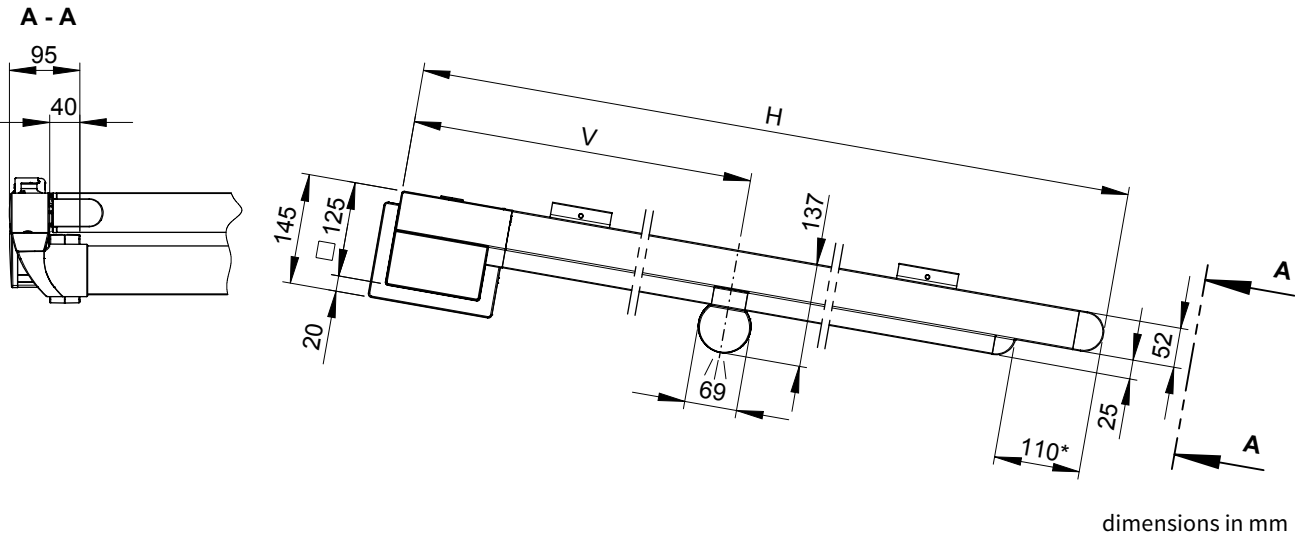
V = lighting distance from back of cassette. Standard: centred ($V = H \div 2$)
optionally this can be stipulated when ordering ($V \text{ min.} = 500 \text{ mm. } V \text{ max.} = H - 500 \text{ mm}$)

Y = distance rear cassette edge to center of 1st support tube

Z = distance center of 1st to 2nd support tube

01 Lighting options

Version 3: LED line in the cover support tube, electronics in the cover support tube



Technical data markilux LED line

| | |
|-------------------------|--------------------|
| operating voltage | 230 V, 50 Hz |
| power output per metre | 10 W |
| light source | LED (12 V) |
| number of LEDs | 120 pcs / m |
| number of transformers | 1 piece |
| light temperature | 3200 K, warm white |
| IP protection class | IP 44 |
| energy efficiency class | A to A++ |
| service life | ca. 15.000 h |

K O (H* LFD

This luminaire contains built-in LED lamps.

A++

A+

A

B

C

D

E

}

LED

The lamps cannot be changed in the luminaire.

874/2012

* = 110 mm standard, 36 mm optional

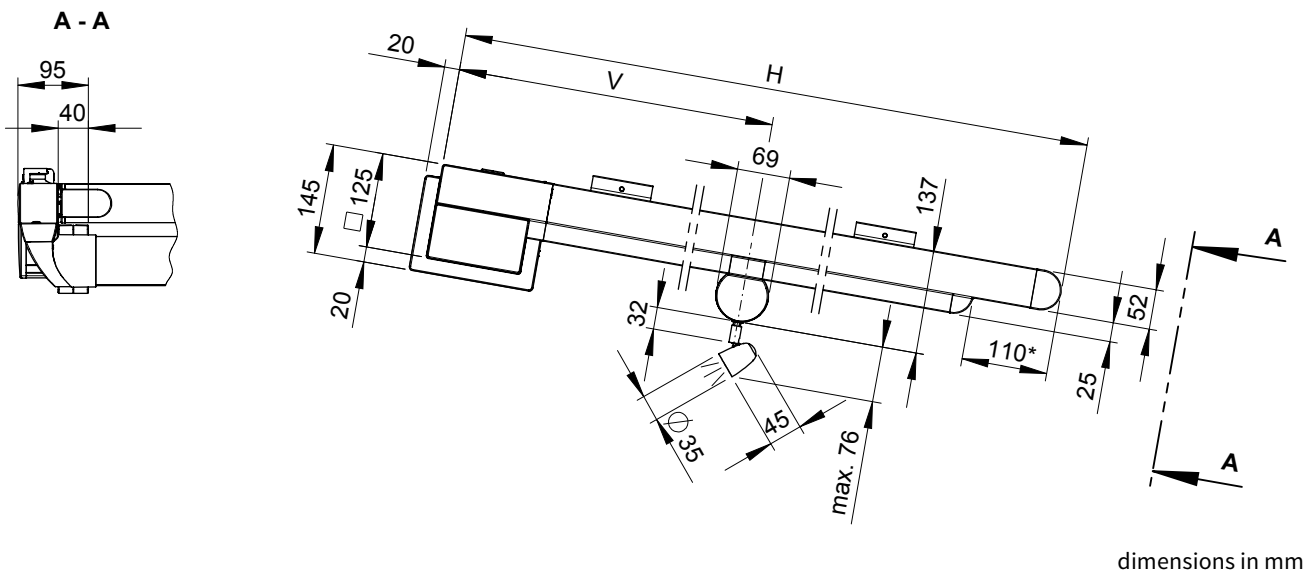
V = lighting distance from back of cassette. Standard: centred ($V = H \div 2$)
 optionally this can be stipulated when ordering (V min. = 500 mm. V max. = H - 500 mm)

H = nominal extension = **order extension**

Lighting options

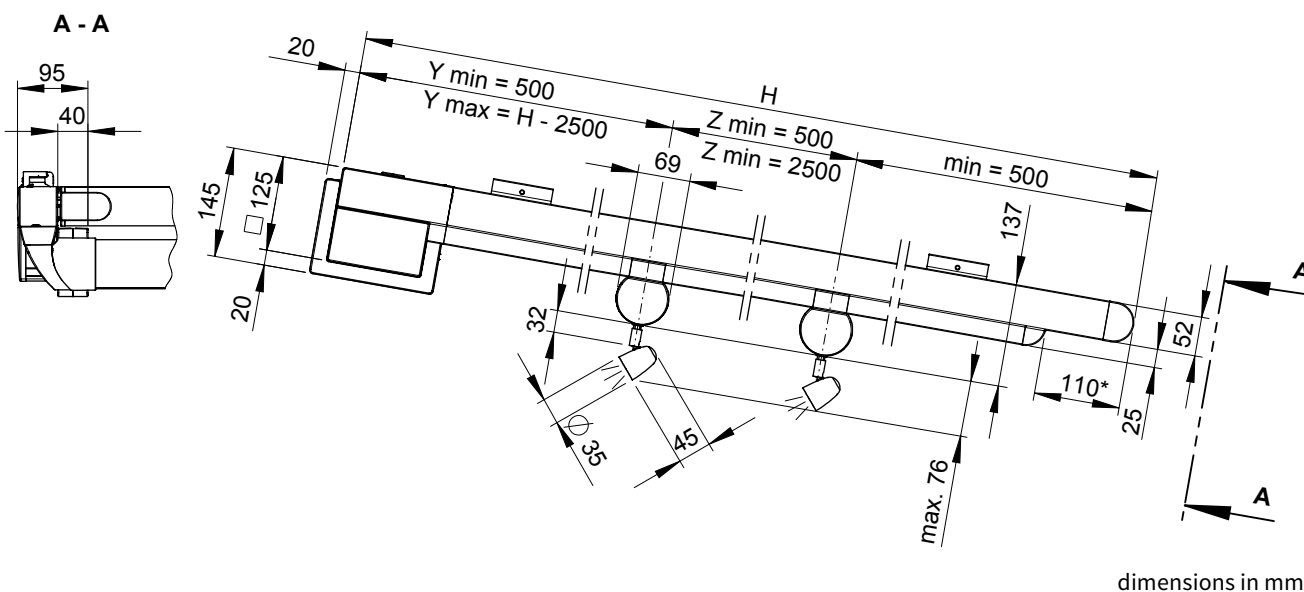
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Version 4: LED spotlights in the cover support tube, electronics in the cover support tube



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Version 4a: LED spotlights in two cover support tubes, electronics in the cover support tubes



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* = 110 mm standard, 36 mm optional

V = lighting distance from back of cassette. Standard: centred ($V = H \div 2$)
optionally this can be stipulated when ordering ($V \text{ min.} = 500 \text{ mm. } V \text{ max.} = H - 500 \text{ mm}$)

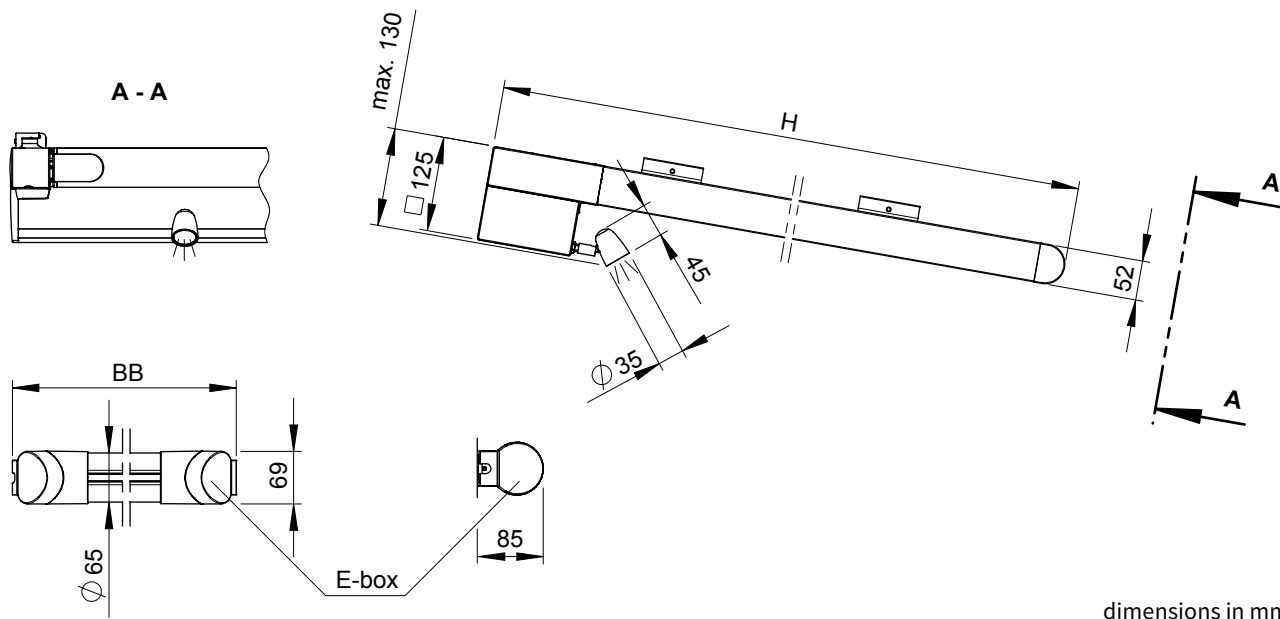
H = nominal extension = **order extension**

Y = distance rear cassette edge to center of 1st support tube

Z = distance center of 1st to 2nd support tube

01 Lighting options

Version 5: LED spotlights at the cover cassette, electronics in an E-Box



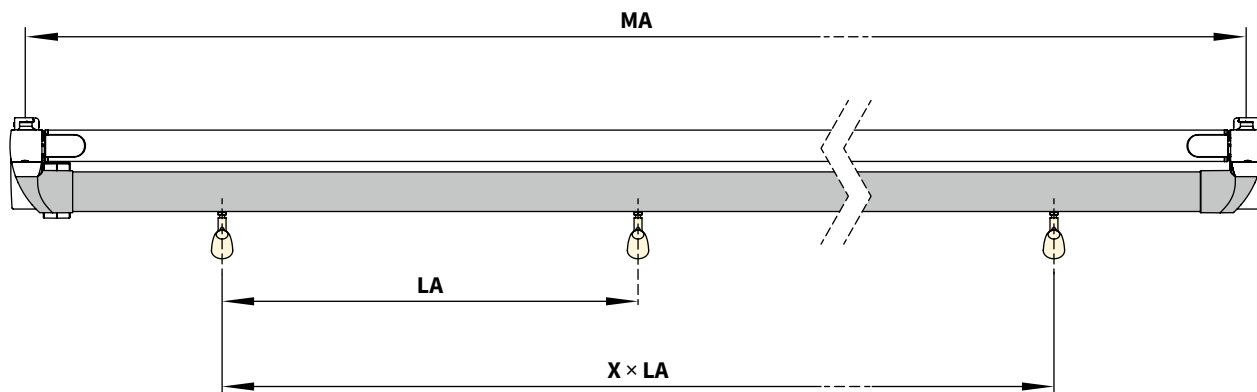
BB = order width

E-box = please refer to the "E-box - Dimensions and types"

H = nominal extension = **order extension**

Lighting options

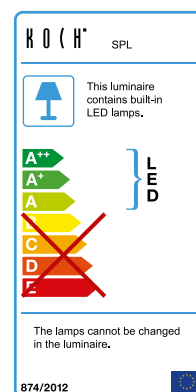
Possible number of LED spotlights



Technical data markilux LED spotlights

| MA (mm) | Number of spotlights | LA (mm) |
|-----------|----------------------|---------|
| 1500–2500 | 3 | 650 |
| 2501–3000 | 3 | 980 |
| 3001–3500 | 3 | 980 |
| 3501–4000 | 4 | 980 |
| 4001–4500 | 4 | 980 |
| 4501–5000 | 5 | 980 |
| 5001–5500 | 5 | 980 |
| 5501–6000 | 6 | 980 |

| | |
|----------------------------|--------------------|
| operating voltage | 230 V, 50 Hz |
| power output per spotlight | 5 W |
| light source | LED (12 V) |
| number of transformers | 1 piece |
| Light temperature | 2700 K, warm white |
| IP protection class | IP 44 |
| energy efficiency class | A to A++ |
| service life | approx. 20,000 h |



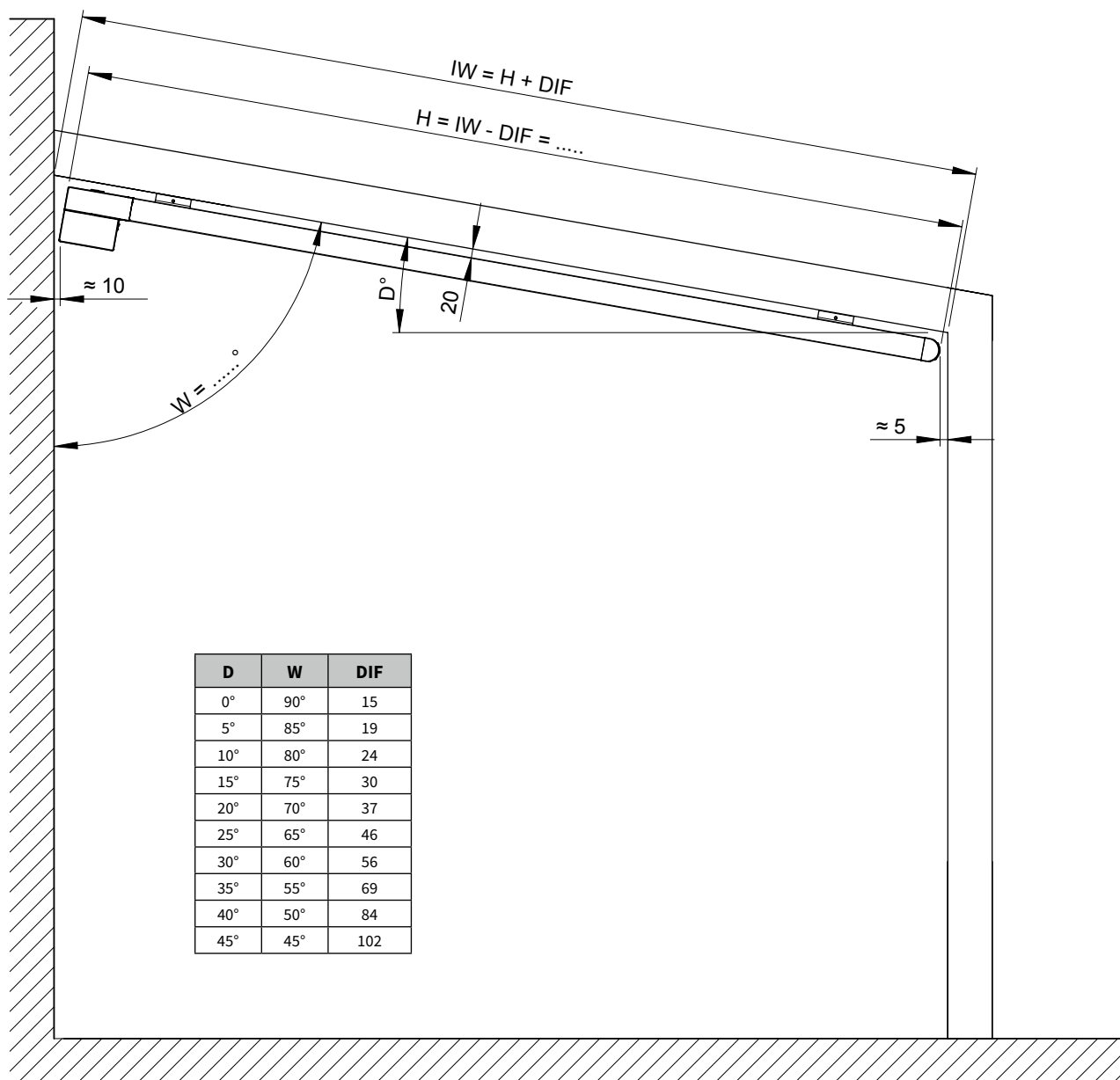
MA = awning fixture width = fixture width = **order width**

LA = spotlight separation

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01 Installation dimensions

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

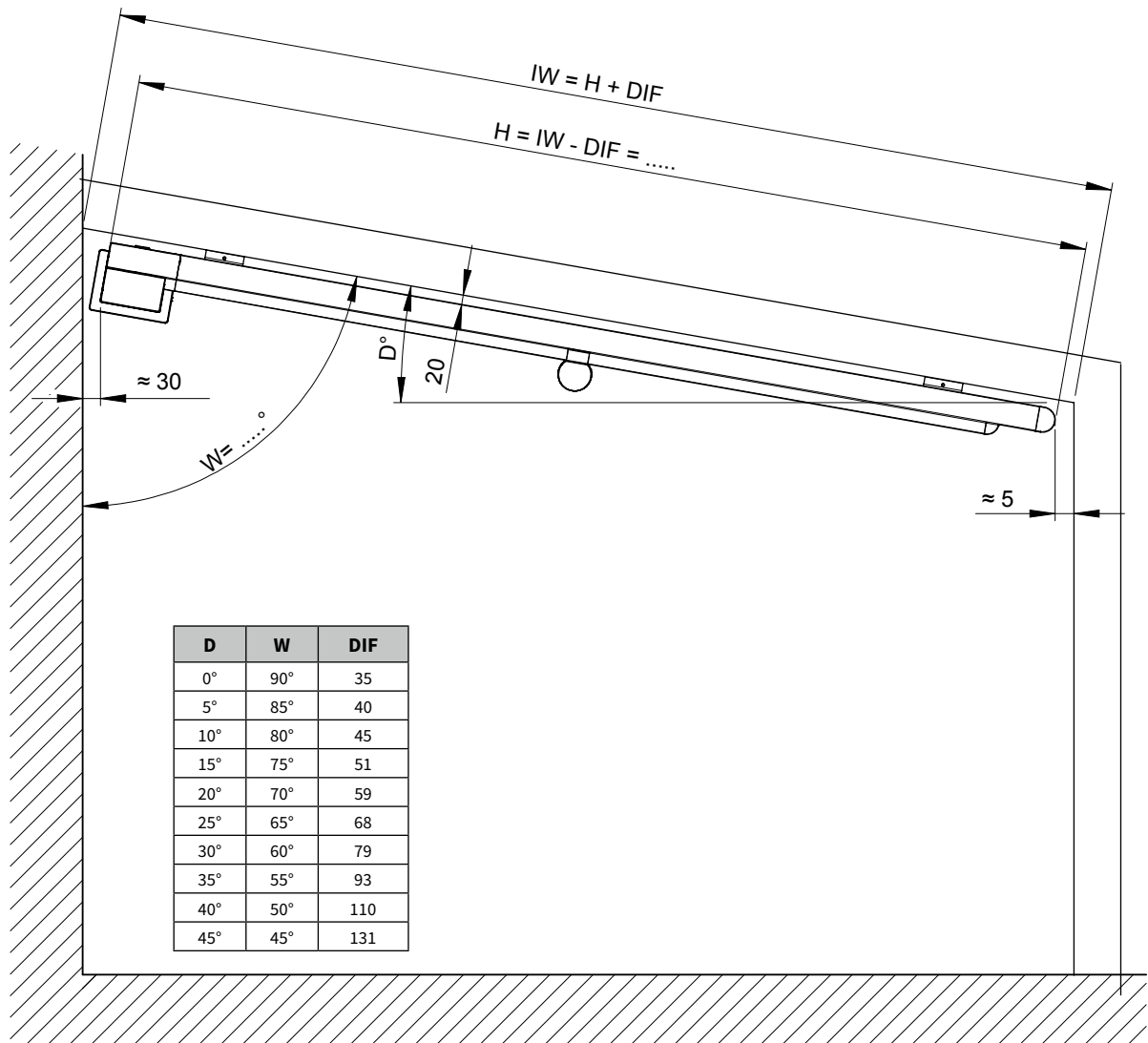


dimensions in mm

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

Installation dimensions for lighting options

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



dimensions in mm

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

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