



Slat roofs Lamaxa

Slat roof Lamaxa L50

Year-round use

Protection in all weather: Depending on the type, the incidence of light can be adjusted to various levels with the pivotable slats – all the way to a complete closure of the slat roof.

Clean

A clean appearance: The motor is perfectly integrated in the central aluminium slat.

Extendable

Reliable lateral visual privacy and wind protection: GranTex with easyZIP guidance can be installed on the top of any of the four Lamaxa sections for vertical shading.



Construction limit values

Maximum order width	4500 mm
Maximum order length	6000 mm
Maximum order area	27 m ²

Order here

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🔗 Art.-Nr. 2040390

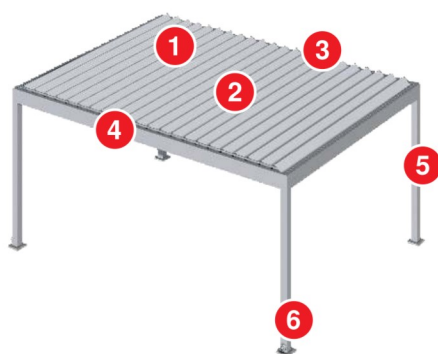
WAREMA tools

🔗 *Sun Shading Planner*

➕ see "Navigating the document", Page 5

Components

Slat roof Lamaxa L50



1	Slats	4	Tilting mechanism via push rod
2	Slat with motor	5	Pole
3	Crossbeam	6	Drainage in pole

Slat

Slat - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	246 mm
Height	63 mm
Swivelling range	0 - 135 °

Pole

Pole - L50

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	one-piece
Width	110 mm
Height	110 mm

Installation options:

- Ground installation with frost-proof, on-site foundation.
- The grout for filling the clearance is not included in the scope of delivery when threaded rods are used.

Base plate

Base plate - L50

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	200 mm
Height	200 mm

Crossbeam

Crossbeam - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	230 mm

Electrical distribution on the crossbeam, field c - L50

Material	Aluminium, folded
Surface	Powder-coated
Width	91,5 mm
Height	155 mm

Used as soon as one or more electronic accessory variants (e.g. LED strips, GranTex with easyZIP guidance) are selected. If no electronic accessories are selected, the connection is made by cable in the crossbeam.

Drainage

Drainage in pole - L50

- Drainage through drainpipe in pole
- In order to achieve rain class 2 with a closed roof, at least one drainage point is required for a system size < 16 m² and at least two drainage points for a system size ≥ 16 m². If the minimum number of drainage points is not observed, rain class 2 is not achieved.

Position of drainage outlet:

- Possible on every pole
- Drainage and electronics/connecting lines must always be installed in separate poles.
- On the outsides of the poles or downward
- Min. height.: 120 mm
- Max. height: 200 mm below the headroom

Wall connection profile, optional

Wall connection profile with small rain hood

Material	Aluminium, extruded
Surface	Powder-coated
Width	54 - 65 mm
Height	48 mm
Dimensions, notes	The adjustment range in the depth between rain hood and wall connection profile is up to 11 mm.

The on-site sealing is the responsibility of the specialist partner; if necessary, the commissioning of a plumbing company is recommended.

Field of application:

- Terrea K50
- Terrea K70
- Perea P20 (up to an angle of 10°)
- Lamaxa L50/L60/L70

Console, optional

Wall console - L50

Material	Galvanised steel
Surface	Powder-coated
Width	75 mm
Height	177 mm
Depth	105 mm

- Use in corner as pole replacement.
- A maximum of two poles can be replaced by wall consoles.
- For a concrete mounting substructure; adapter plates are required for other substructures.
- The wall console protrudes 8 mm beyond the order width and order length. This results in a gap of 8 mm between the crossbeam and the wall.

Drive variants

- Motor

Motor

- WMS-LP (WMS)

+ see "Drive variants", Page 235

Colours

- WAREMA Colour World, Individual category, fine texture surface quality
- WAREMA Colour World, Highlight category, fine texture surface quality
- WAREMA Colour World, Variation category, fine texture surface quality

Colours, optional:

- WAREMA Colour World

+ see "WAREMA colour world", Page 10

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order length	Maximum order length	Maximum order area	Minimum headroom	Maximum headroom
Slat							
Slat - L50	2500 mm	4500 mm	2000 mm	6000 mm	27 m ²	800 mm	2700 mm

Following enquiry, deviations from the standard construction limit values are possible (within limits).

Pole height:

- Minimum height for poles with drainage: 800 mm.
- Minimum height for poles without drainage: 800 mm.
- The maximum pole height (headroom plus floor recess) is ≤ 3000 mm.

Notes

Limit position learning:

The WAREMA Smart programming cable is required in order to adjust the motor limit positions.

Number of optional extras per field:

Only one optional extra is possible per field. Either GranTex with easyZIP guidance, LED on the poles, sliding shutters with wooden or aluminium filling or the SL20e glass sliding system.

Supplementary accessories

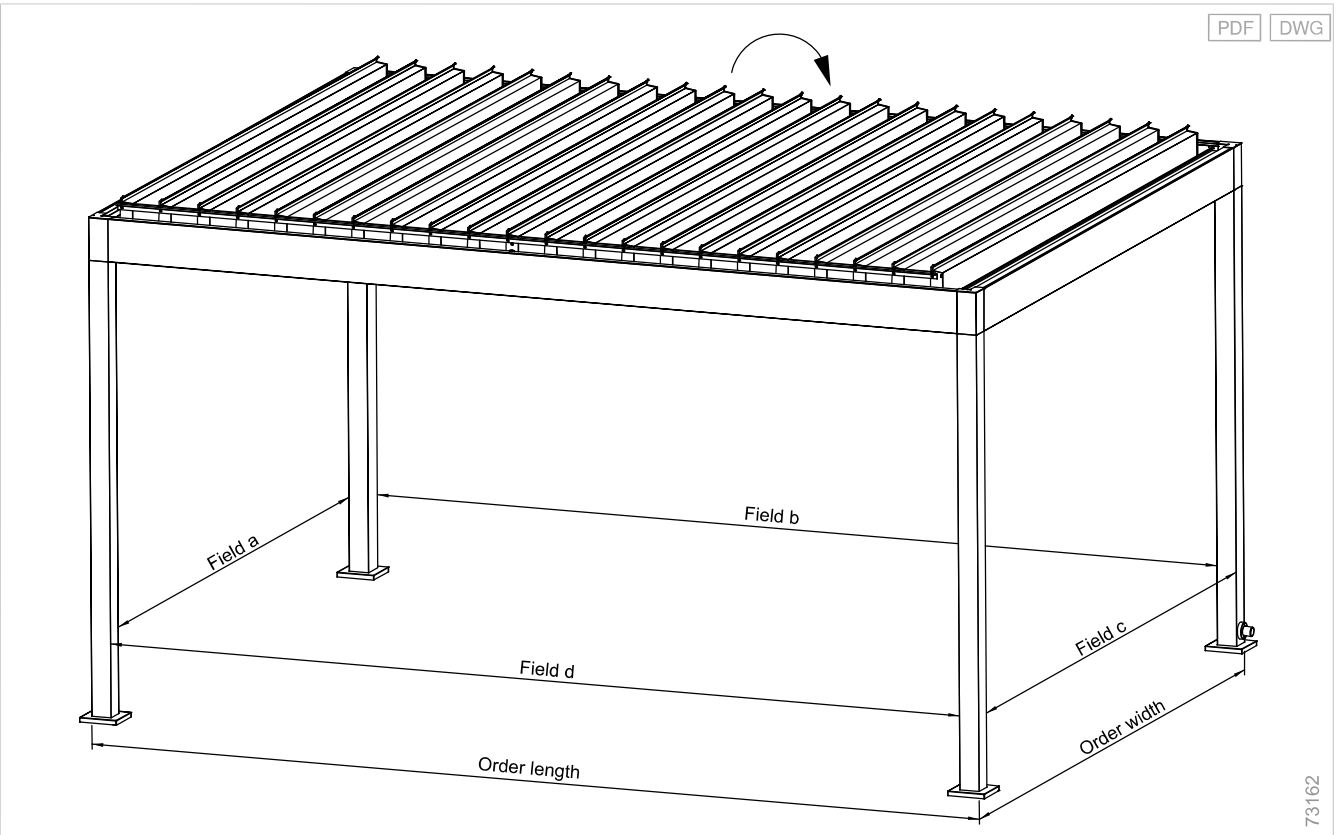
- Smart Living connect package - Lamaxa
- Smart Living control package - Lamaxa
- Design radiant heater
- GranTex with easyZIP guidance
- Glass sliding system SL20e
- Sliding shutters - L50/L60/L70
- Lamaxa lighting
- Protection profile
- Additional pole - L50
- Offset pole - L50/L50 Tex

+ see "Supplementary accessories", Page 173

Dimension determination

The headroom of each pole can be ordered individually (e.g. in case of a sloping finished floor).

Field definition - L50

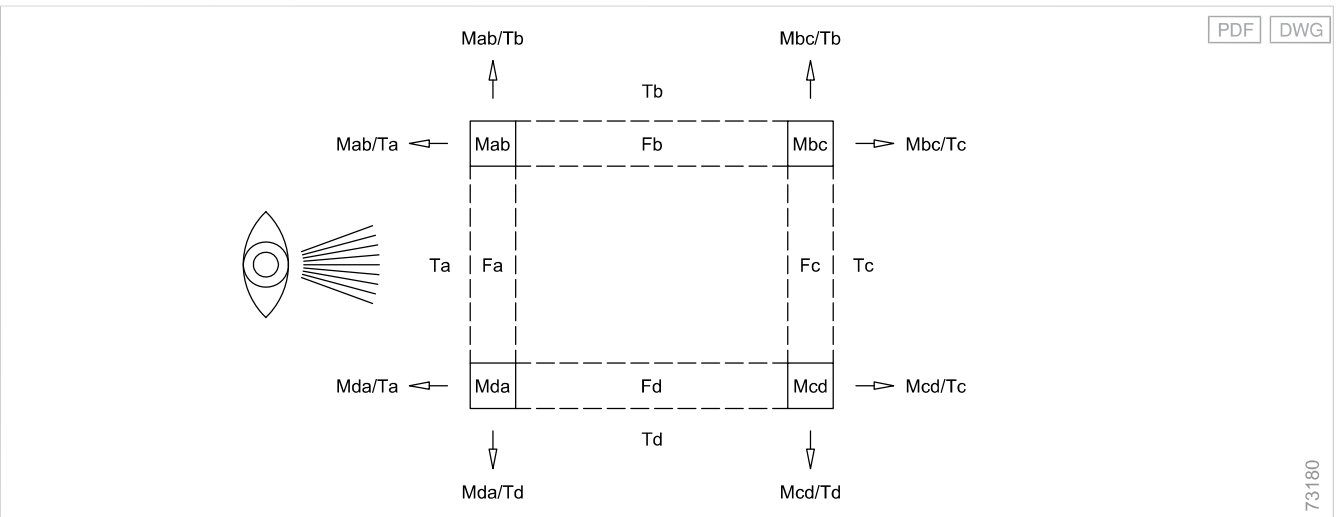


Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

Top view of fields and poles - L50



Fabric roofs
Lamaxa

Supplementary
accessories

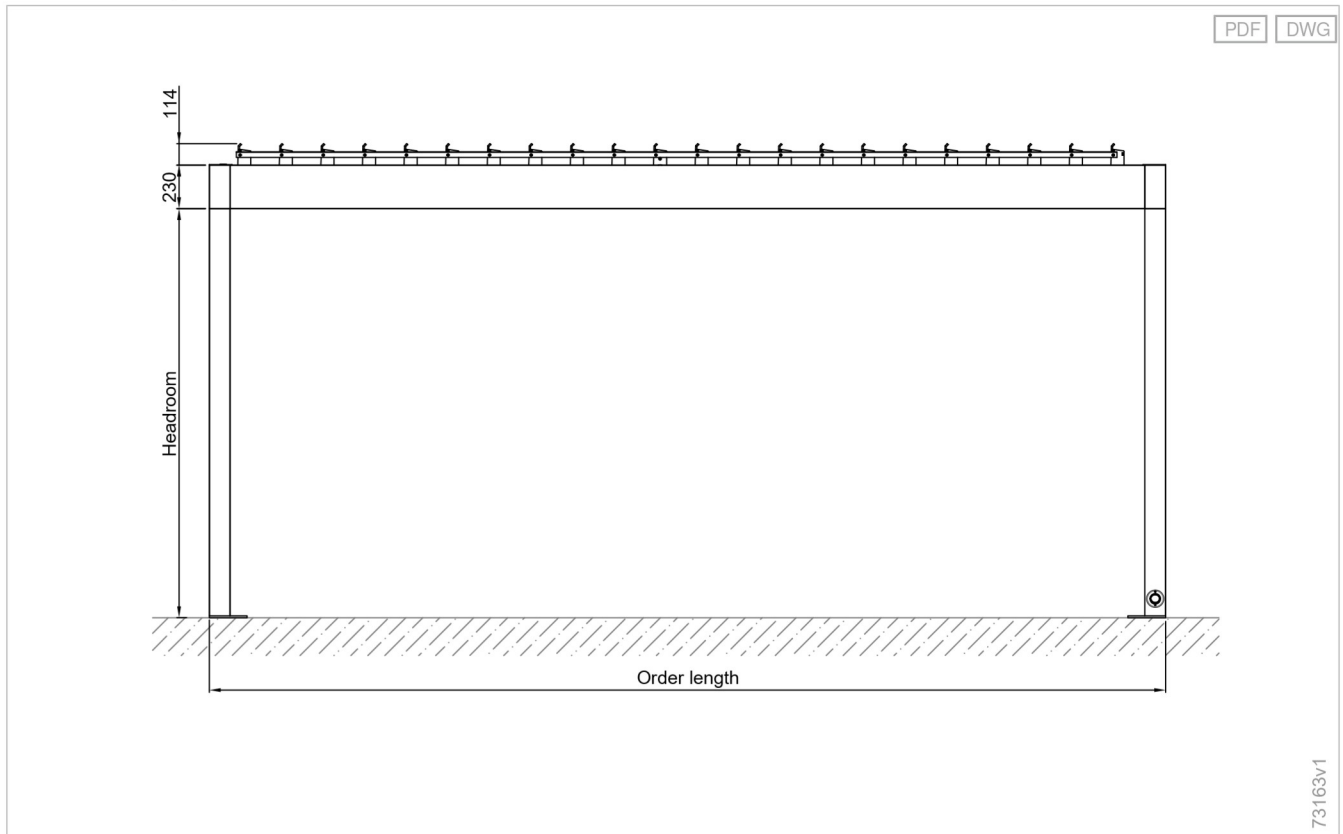
Drive
variants

Standards

F Field
M Point of installation (pole or wall connection)

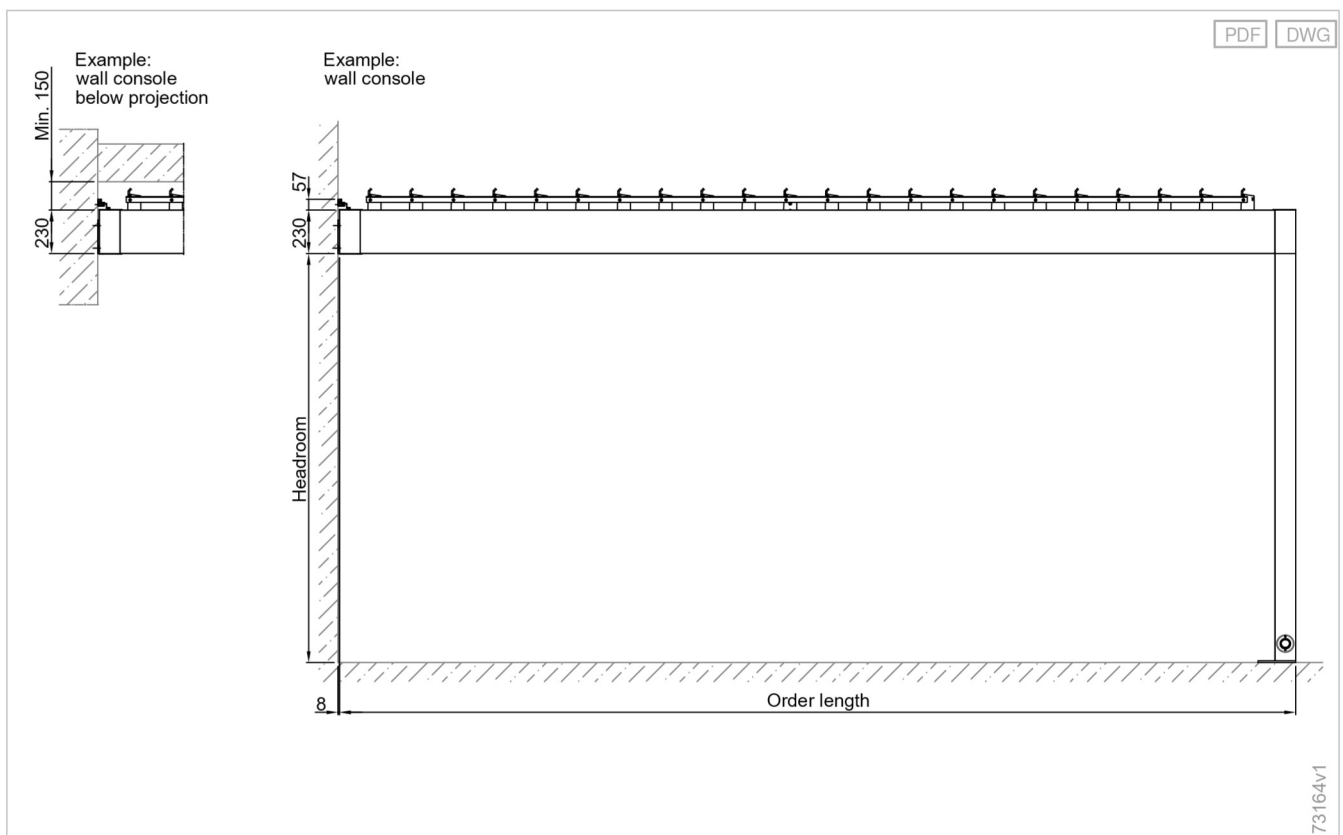
T Crossbeam

Side view with open slats - L50

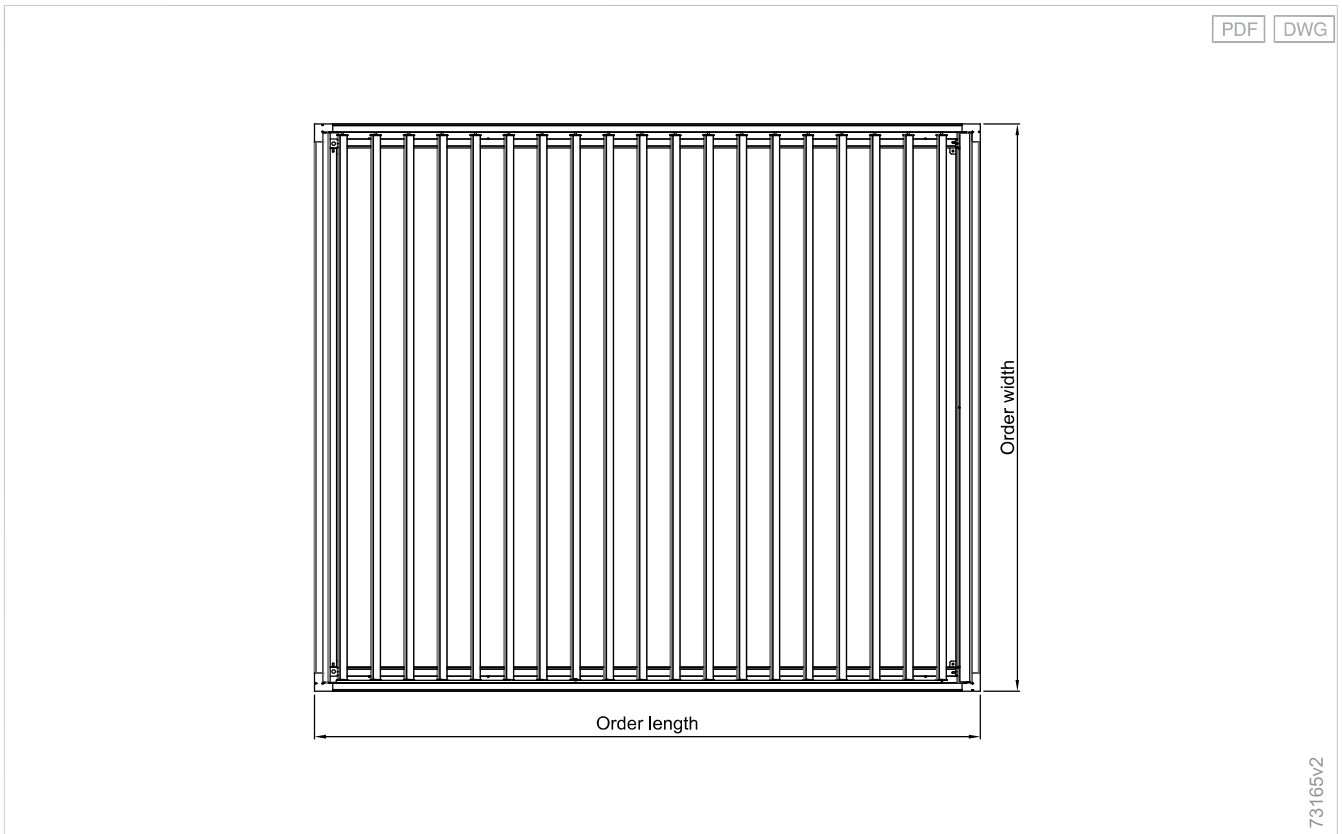


When closed, the slats do not protrude beyond the crossbeam.

Side view of wall connection with wall console - L50



Top view for individual units - L50



Optimal order length - L50 individual unit

Order length in mm	Number of slats
2000	8
2200	9
2420	10
2640	11
2860	12
3080	13
3300	14
3520	15
3740	16
3960	17
4180	18
4400	19
4620	20
4840	21
5060	22
5280	23
5500	24
5720	25
5940	26
6000	26

The order length in the table is the dimension with the smallest possible length compensation plates and therefore corresponds to the optimum order dimension (except order length 2000 mm and 6000 mm) for individual units. For the calculation of the optimal order length for series-mounted units, please use the following sketches for L50 Line dimension determination.

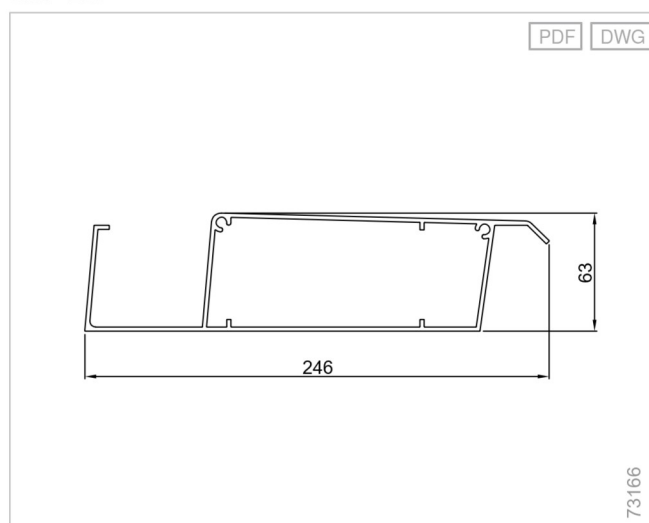
Weight assessment

Weight assessment for roof systems

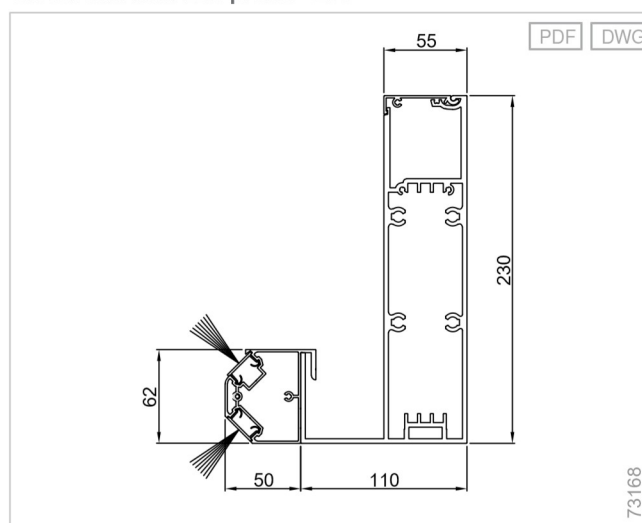
Order length	Order width				
	2500 mm	3000 mm	3500 mm	4000 mm	4500 mm
2000 - 2500 mm	252 kg	277 kg	302 kg	328 kg	353 kg
2501 - 3000 mm	277 kg	305 kg	334 kg	363 kg	392 kg
3001 - 3500 mm	302 kg	334 kg	366 kg	399 kg	431 kg
3501 - 4000 mm	335 kg	373 kg	411 kg	448 kg	486 kg
4001 - 4500 mm	360 kg	402 kg	443 kg	484 kg	525 kg
4501 - 5000 mm	385 kg	430 kg	475 kg	520 kg	564 kg
5001 - 5500 mm	419 kg	469 kg	519 kg	569 kg	619 kg
5501 - 6000 mm	444 kg	498 kg	551 kg	605 kg	659 kg

Details

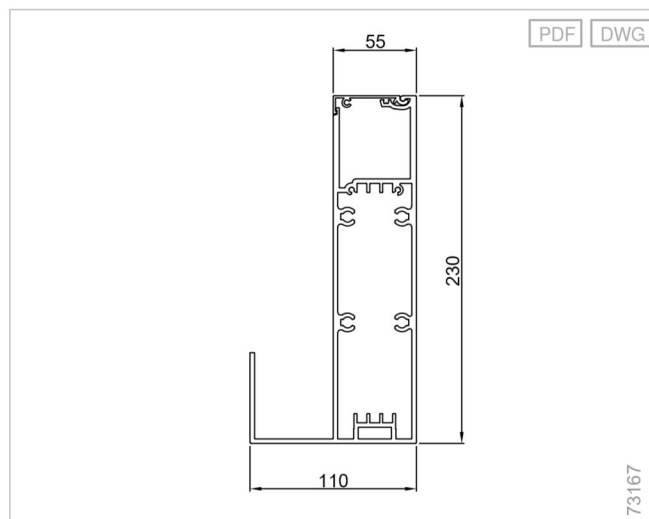
Slat - L50



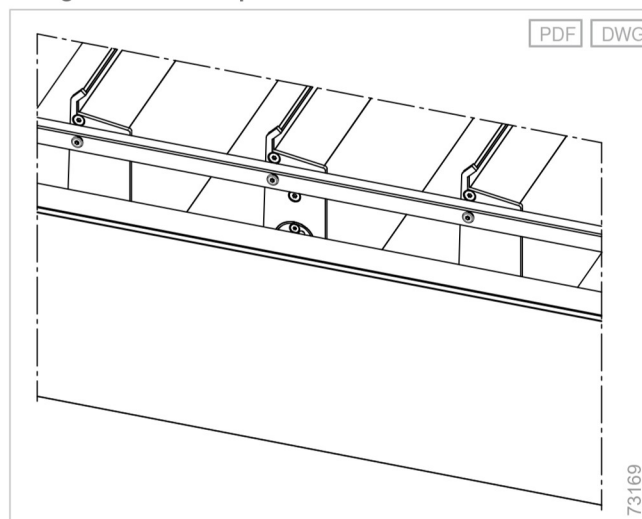
Crossbeam with LED profile - L50



Crossbeam - L50

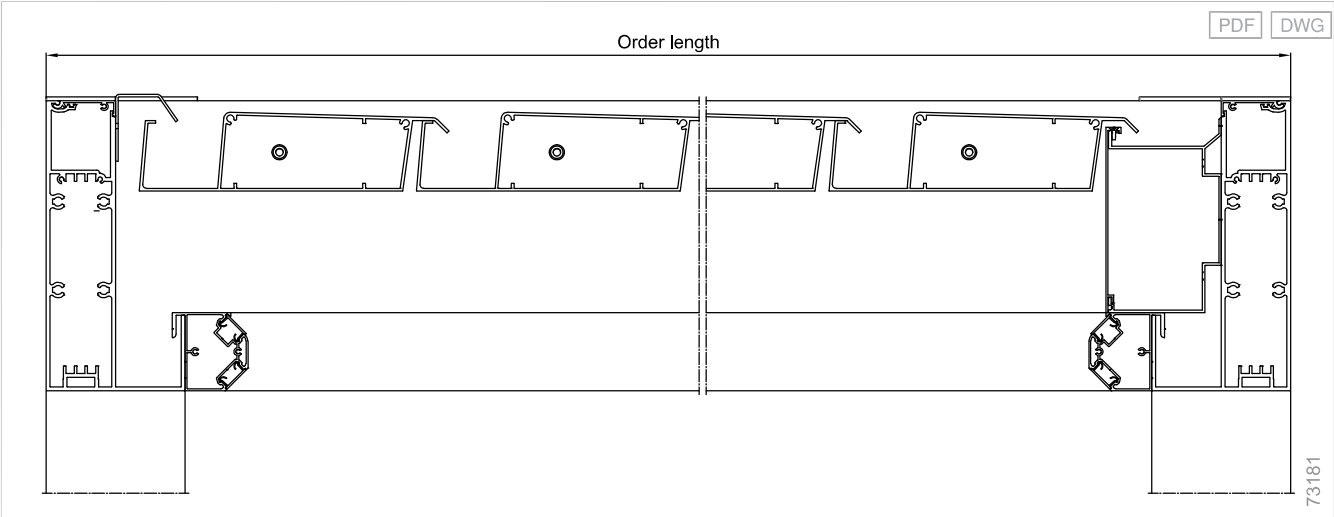


Tilting mechanism via push rod - L50

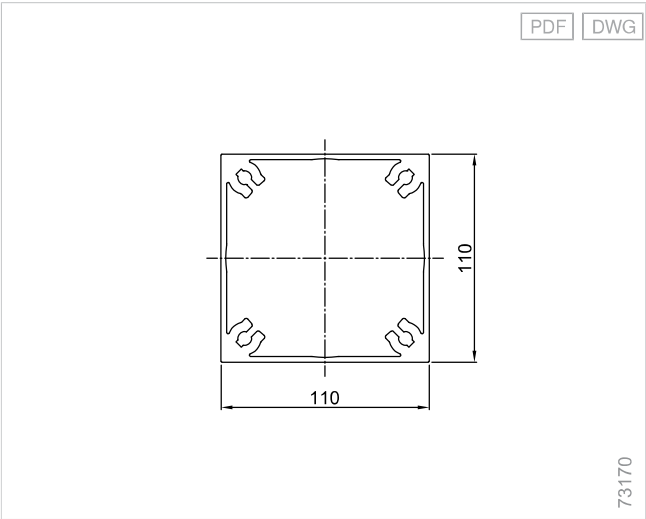


The push rod is always positioned on the motor side, opposite the drainage.

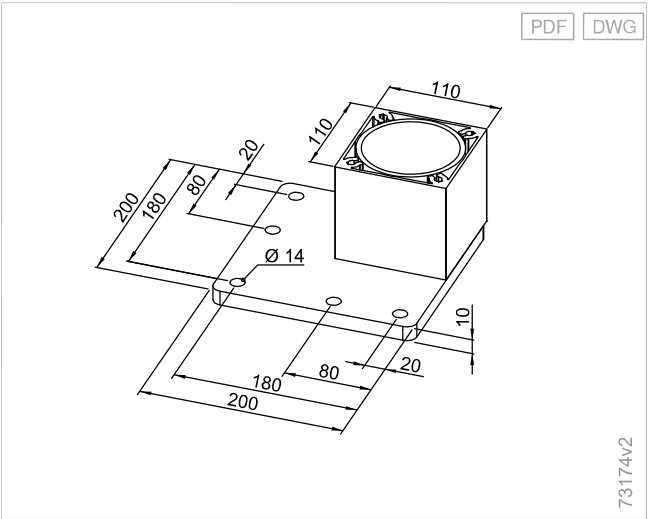
Length comparison (with connection box) - L50



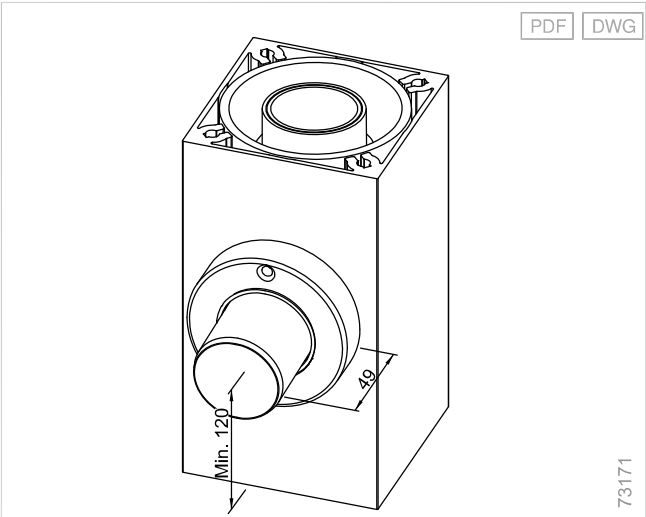
Pole - L50



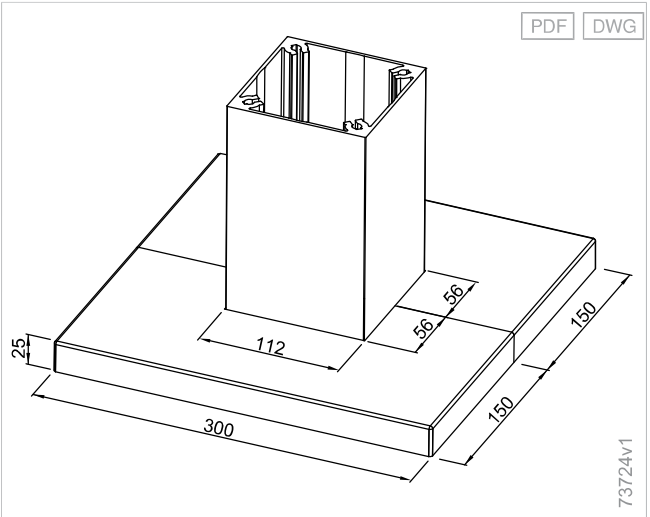
Base plate - L50



Position of drainage - L50



External base cover - L50



Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

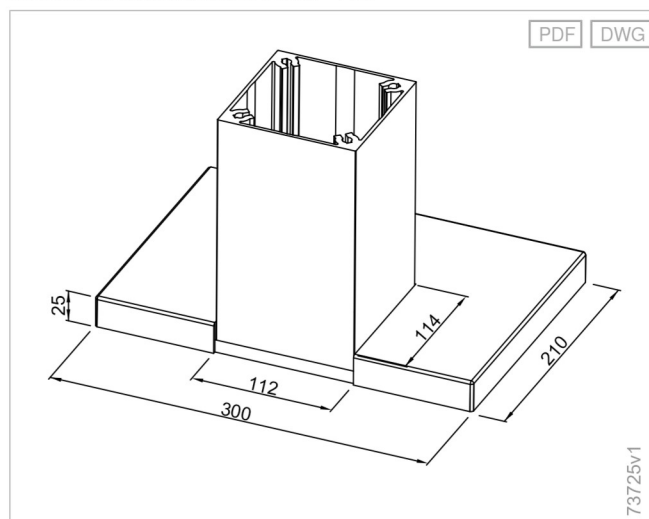
Fabric roofs
Lamaxa

Supplementary
accessories

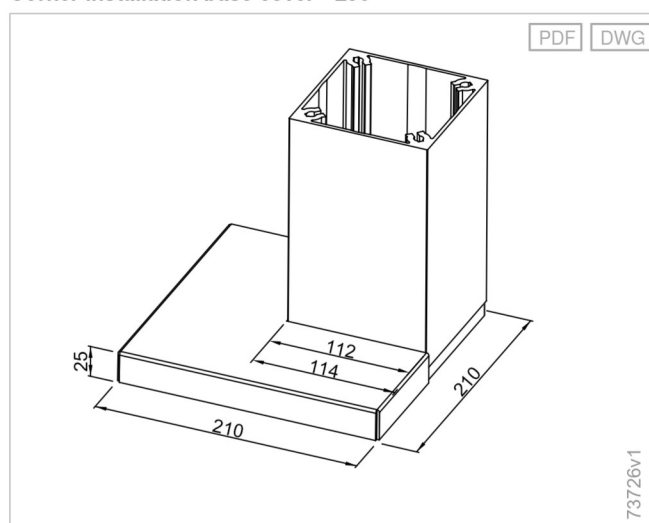
Drive
variants

Standards

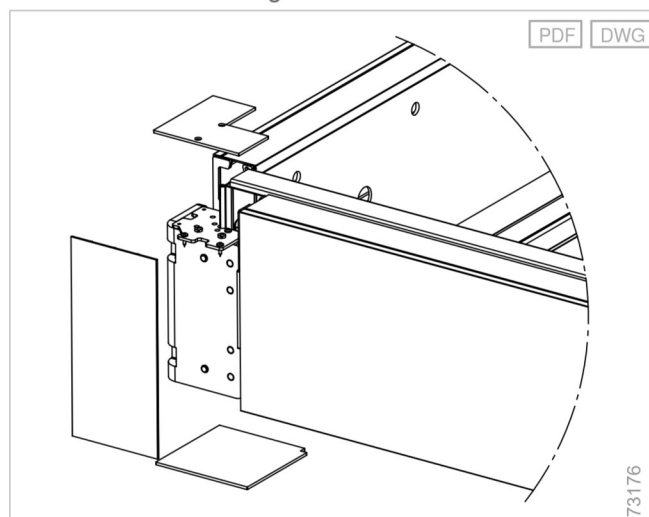
Recess installation base cover - L50



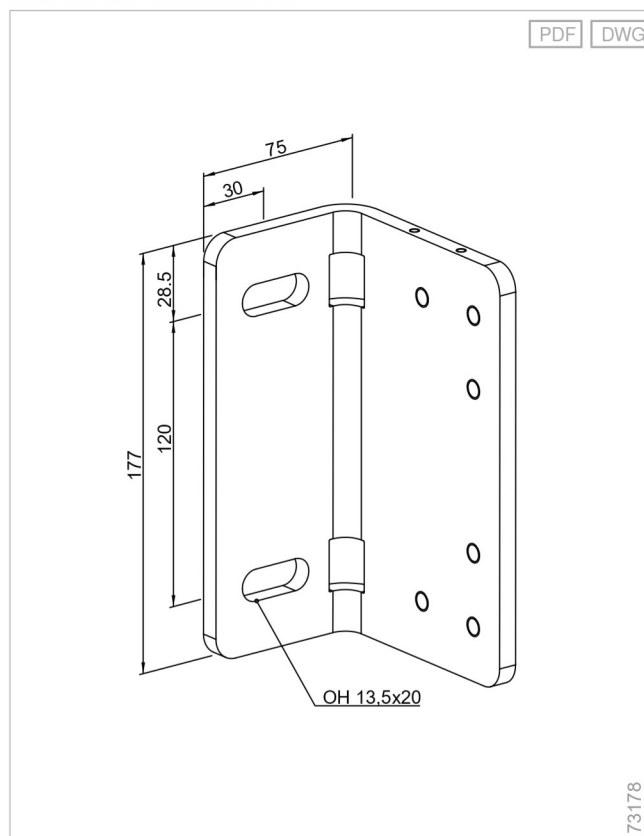
Corner installation base cover - L50



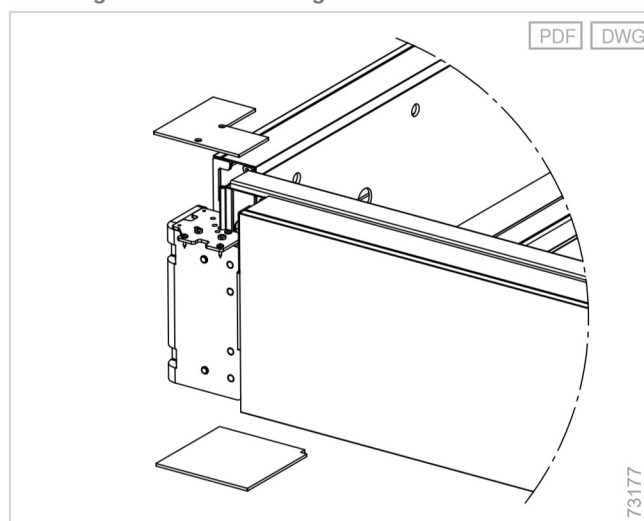
Lateral wall console facing - L50



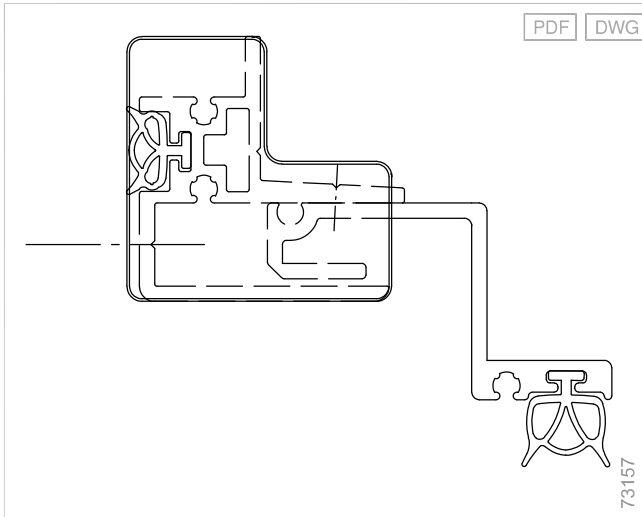
Console wall connection L50



Inner angle wall console facing - L50



Wall connection profile with small rain hood - L50/L60/L70



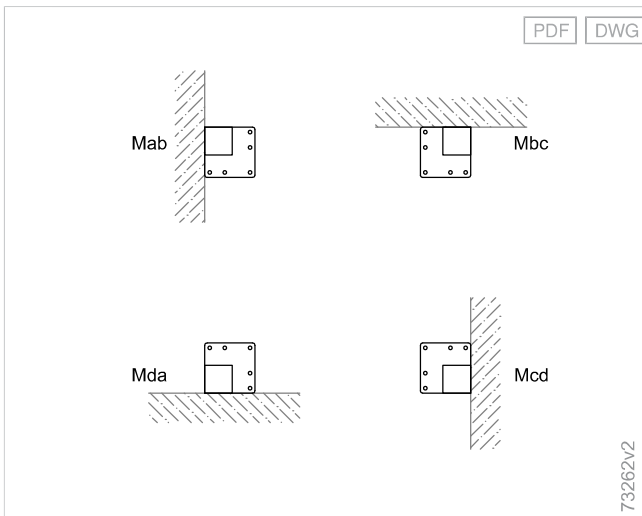
Additional product information

Pole installation options

Ground installation with frost-proof on-site foundation.

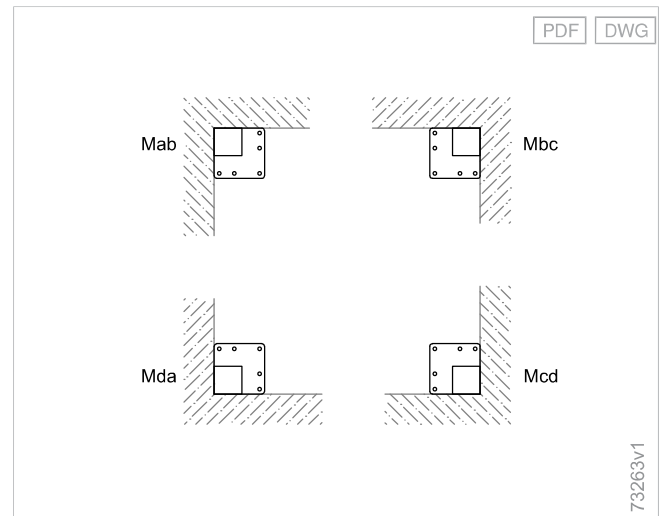
Mounting examples

Application of base plate for recess installation - L50



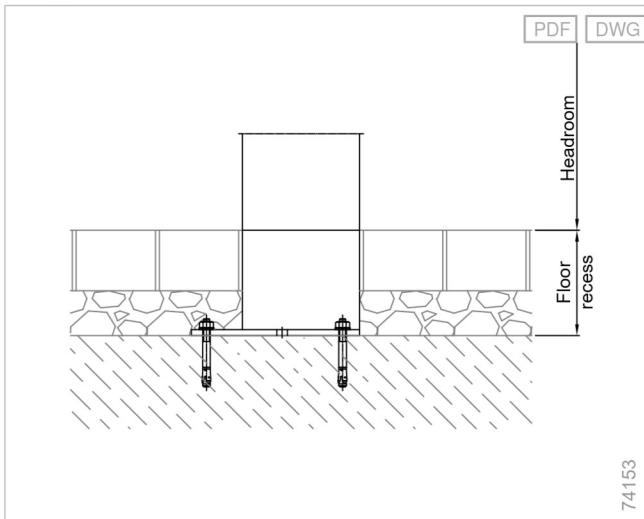
M Point of installation (pole or wall connection)

Application of corner installation base plate - L50

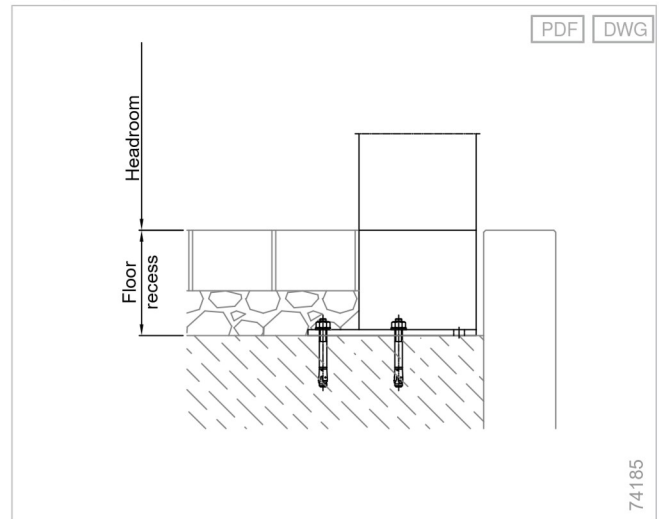


M Point of installation (pole or wall connection)

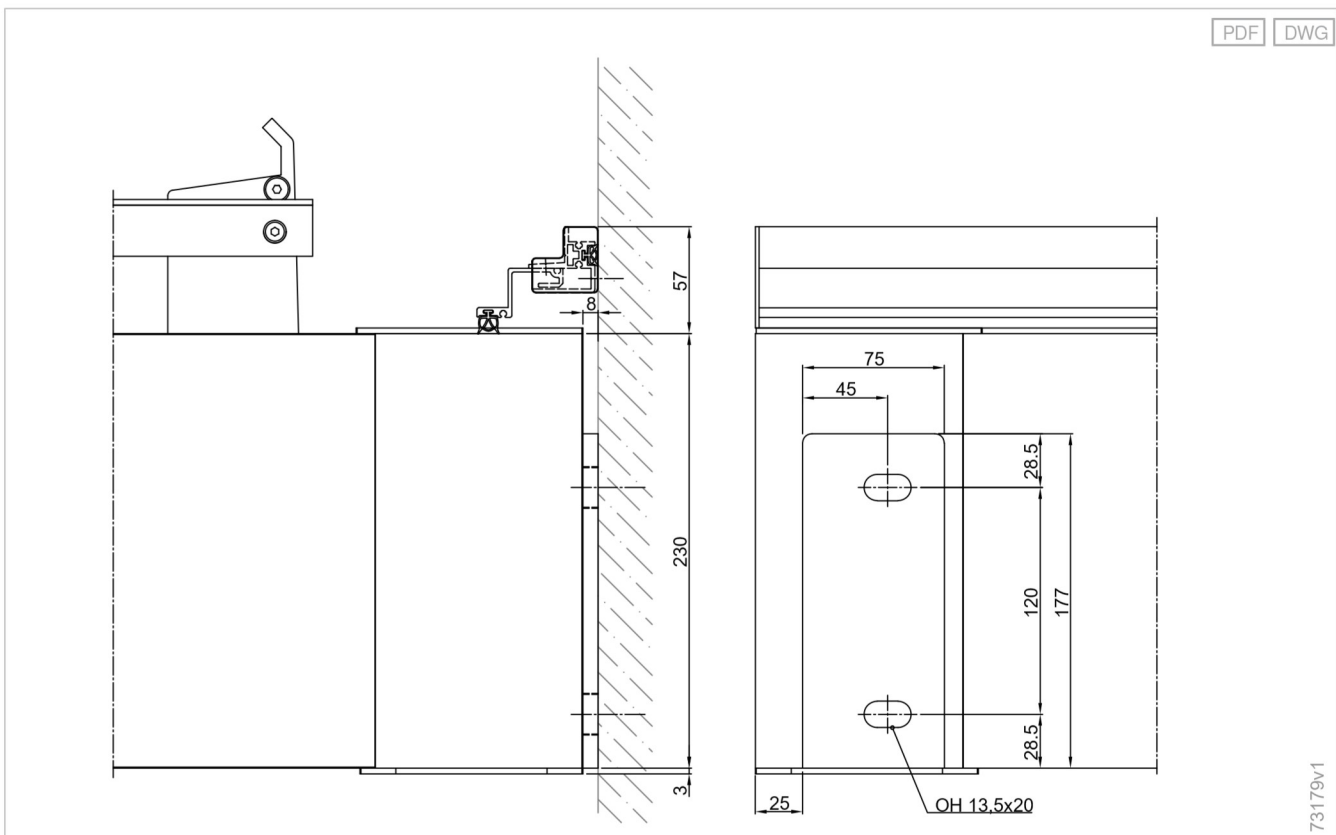
Fixing on concrete foundation



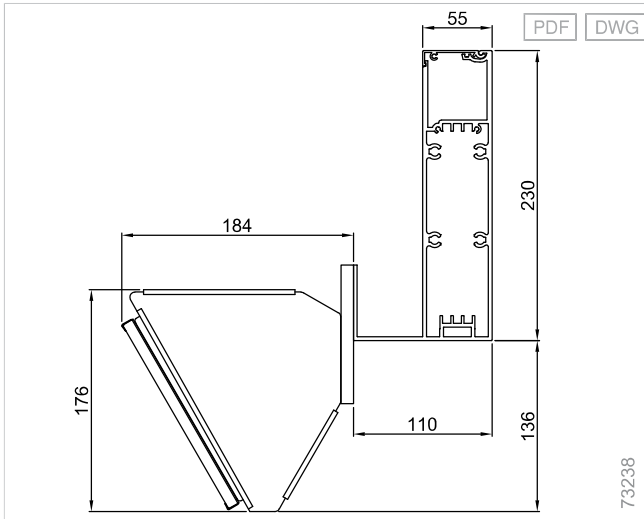
Fixing on concrete foundation (corner installation)



Side view of wall connection - L50



Design radiant heater on crossbeam - L50





Roof systems

Slat roof Lamaxa L50 Line

Expansive

Shade very large areas flexibly: With a central pole, several roof systems can be elegantly lined up along the long as well as the short side. Free-standing, with wall connection or in a star shape.

Inviting

Perfect for the catering sector: Plenty of space at all times with an inviting flair for outdoor guests – in the open air or appropriately protected from the sun and rain.

Versatile

Protection in all weather: Depending on the type, the incidence of light can be adjusted to various levels with the pivotable slats – all the way to a complete closure of the slat roof.

Construction limit values

Maximum order width	27000 mm
Maximum order length	36000 mm
Maximum order area	162 m ²

Order here

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[Art.-Nr. 2056682](#)

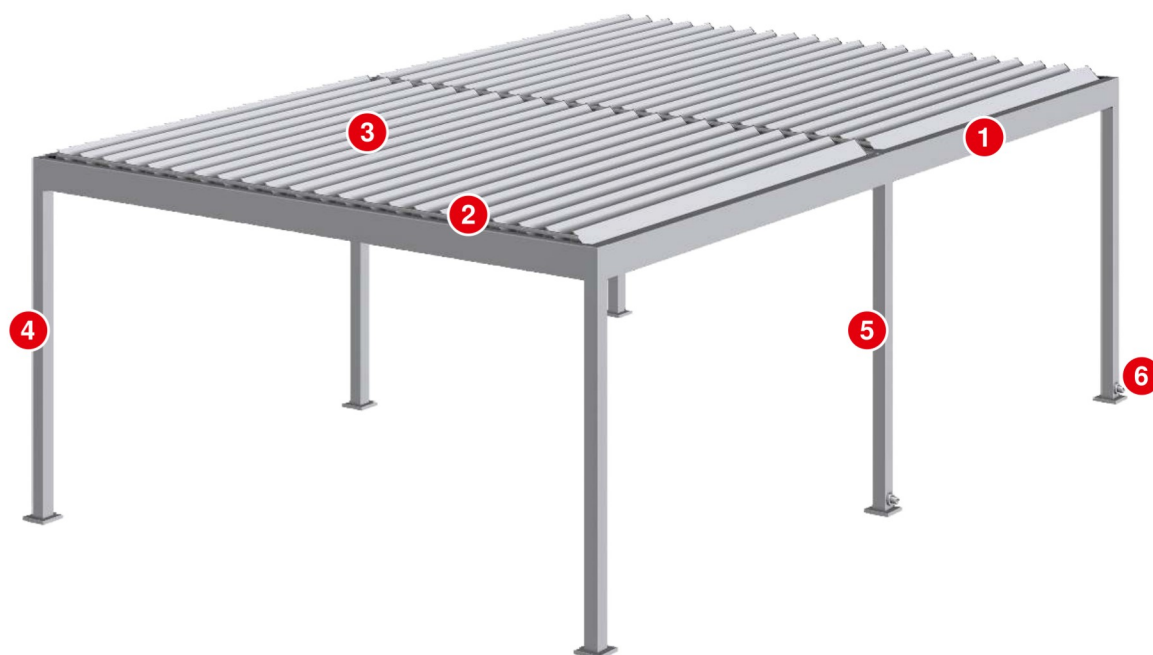
WAREMA tools

[Sun Shading Planner](#)

[+ see "Navigating the document", Page 5](#)

Components

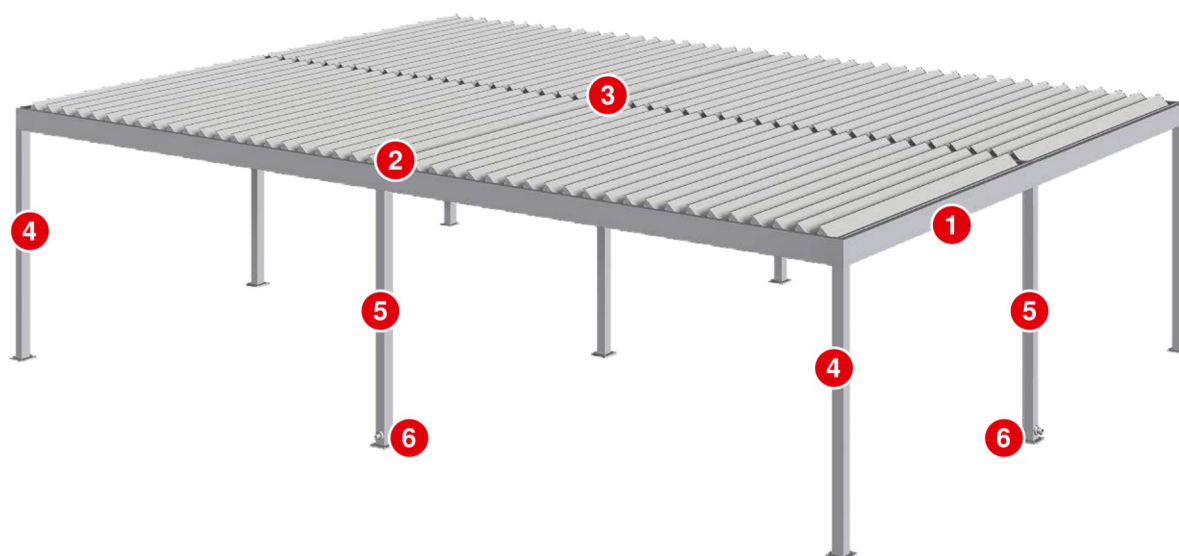
Lamaxa Line - L50



- 1 Crossbeam
- 2 Tilting mechanism via push rod
- 3 Slat with motor

- 4 Pole
- 5 Middle pole
- 6 Drainage in pole

Lamaxa star system - L50



- 1 Crossbeam
- 2 Tilting mechanism via push rod
- 3 Slats

- 4 Pole
- 5 Middle pole
- 6 Drainage in pole

Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

Fabric roofs
Lamaxa

Supplementary
accessories

Drive
variants

Standards

Slat

Slat - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	246 mm
Height	63 mm
Swivelling range	0 - 135 °

Pole

Pole - L50

Material	Aluminium, extruded
Surface	Powder-coated
Material, notes	one-piece
Width	110 mm
Height	110 mm

Installation options:

- Ground installation with frost-proof, on-site foundation.
- The grout for filling the clearance is not included in the scope of delivery when threaded rods are used.

Centre pole - L50 Line

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	110 mm

Base plate

Base plate - L50

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	200 mm
Height	200 mm

Crossbeam

Crossbeam - L50

Material	Aluminium, extruded
Surface	Powder-coated
Width	110 mm
Height	230 mm

Electrical distribution on the crossbeam, field c - L50

Material	Aluminium, folded
Surface	Powder-coated
Width	91,5 mm
Height	155 mm

Used as soon as one or more electronic accessory variants (e.g. LED strips, GranTex with easyZIP guidance) are selected. If no electronic accessories are selected, the connection is made by cable in the crossbeam.

Middle crossbeam - L50 Line

Material	Aluminium, extruded
Surface	Powder-coated
Width	165 mm
Height	230 mm

Drainage

Drainage point in pole - L50 Line

- Drainage through drainpipe in pole
- In order to achieve rain class 2 with an individual unit with closed slats, at least two drainage points are required for a system size > 16 m².
- For a total area of up to 54 m², three drainage points are sufficient to comply with rain class 2.
- In the case of a star system consisting of at least 4 roof crowns (2x2), only a restricted rain class can be achieved, as rain class 2 can no longer be achieved due to design limitations.

Position of drainage outlet:

- Possible on every pole
- Drainage and electronics/connecting lines must always be installed in separate poles.
- On the outsides of the poles or downward
- Min. height.: 120 mm
- Max. height: 200 mm below the headroom

Wall connection profile, optional

Wall connection profile with small rain hood

Material	Aluminium, extruded
Surface	Powder-coated
Width	54 - 65 mm
Height	48 mm
Dimensions, notes	The adjustment range in the depth between rain hood and wall connection profile is up to 11 mm.

The on-site sealing is the responsibility of the specialist partner; if necessary, the commissioning of a plumbing company is recommended.

Field of application:

- Terrea K50
- Terrea K70
- Perea P20 (up to an angle of 10°)
- Lamaxa L50/L60/L70

Console, optional

Wall console - L50

Material	Galvanised steel
Surface	Powder-coated
Width	75 mm
Height	177 mm
Depth	105 mm

- Use in corner as pole replacement.
- A maximum of two poles can be replaced by wall consoles.
- For a concrete mounting substructure; adapter plates are required for other substructures.
- The wall console protrudes 8 mm beyond the order width and order length. This results in a gap of 8 mm between the crossbeam and the wall.

Drive variants

- Motor

Motor

- WMS-LP (WMS)

+ see "Drive variants", Page 235

Colours

- WAREMA Colour World, Highlight category, fine texture surface quality
- WAREMA Colour World, Variation category, fine texture surface quality

Colours, optional:

- WAREMA Colour World

+ see "WAREMA colour world", Page 10

Notes

Limit position learning:

The WAREMA Smart programming cable is required to set the motor limit positions.

Operation and control:

To ensure comfortable and fast operation of the slat roof, we recommend WMS WebControl pro (control via smartphone, tablet, etc.) and WMS Weather station plus in order to use the control modes (e.g. sun control). To do so, a sufficiently strong radio reception must be ensured.

Number of optional extras per field:

Only one optional extra is possible per field. Either GranTex with easyZIP guidance, LED on the poles, sliding shutters with wooden or aluminium filling or the SL20e glass sliding system.

Series-mounted units:

- Generally, unit coupling (drive coupling) is not possible.
- Flush closures allow two slat roofs to be centrally mounted in-series on one common pole.
- The two slat roofs can be matched to the order width or order length (L50 Line) or to the order width and order length (L50 star unit).
- The matched roofs all close in the same direction.
- The motor is always positioned in the same place. The connecting rod is therefore always located on the same side of the crossbeam for all roofs.
- The order length or order width is dimensioned to the centre axis of the centre pole.
- The wall console can be used at any mounting point. The number of wall consoles must not exceed the number of poles.
- If the middle mounting point is selected as the wall console, a wall console is used to seat 3 crossbeams.
- The mounting of a GranTex with easyZIP guidance or LED on any side of the pole is possible. Neither is possible below the double crossbeam.
- RGB lighting of both units can be learned in to an RGB hand-held transmitter.

+ see "Planning requirements - L50 Line and Star unit ", Page 22

Supplementary accessories

- Smart Living connect package - Lamaxa
- Smart Living control package - Lamaxa
- Design radiant heater
- Lamaxa lighting
- GranTex with easyZIP guidance
- Glass sliding system SL20e
- Sliding shutters - L50/L60/L70
- Additional pole - L50
- Protection profile

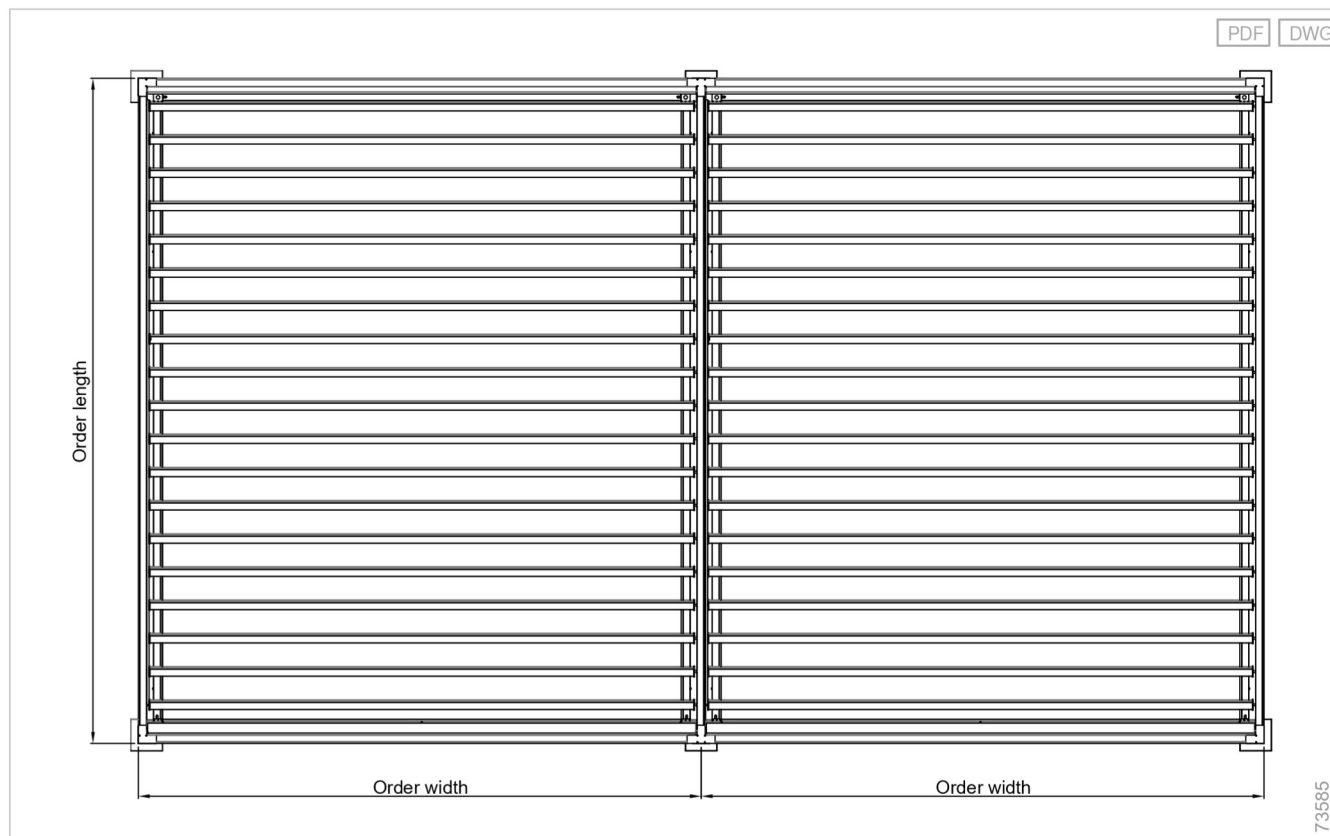
+ see "Supplementary accessories", Page 173

Construction limit values

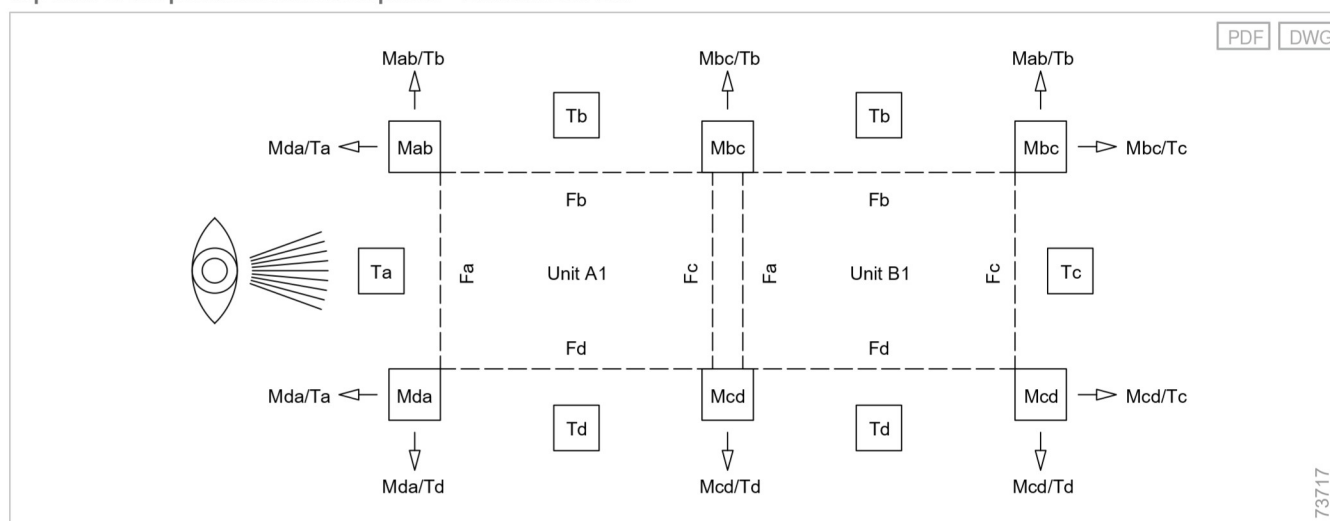
Configuration variants	Minimum order width	Maximum order width	Minimum order length	Maximum order length	Maximum order area	Minimum headroom	Maximum headroom
Slat							
Slat - L50	2500 mm	27000 mm	2000 mm	36000 mm	162 m ²	800 mm	2700 mm

Dimension determination

The headroom of each pole can be ordered individually (e.g. in case of a sloping finished floor).



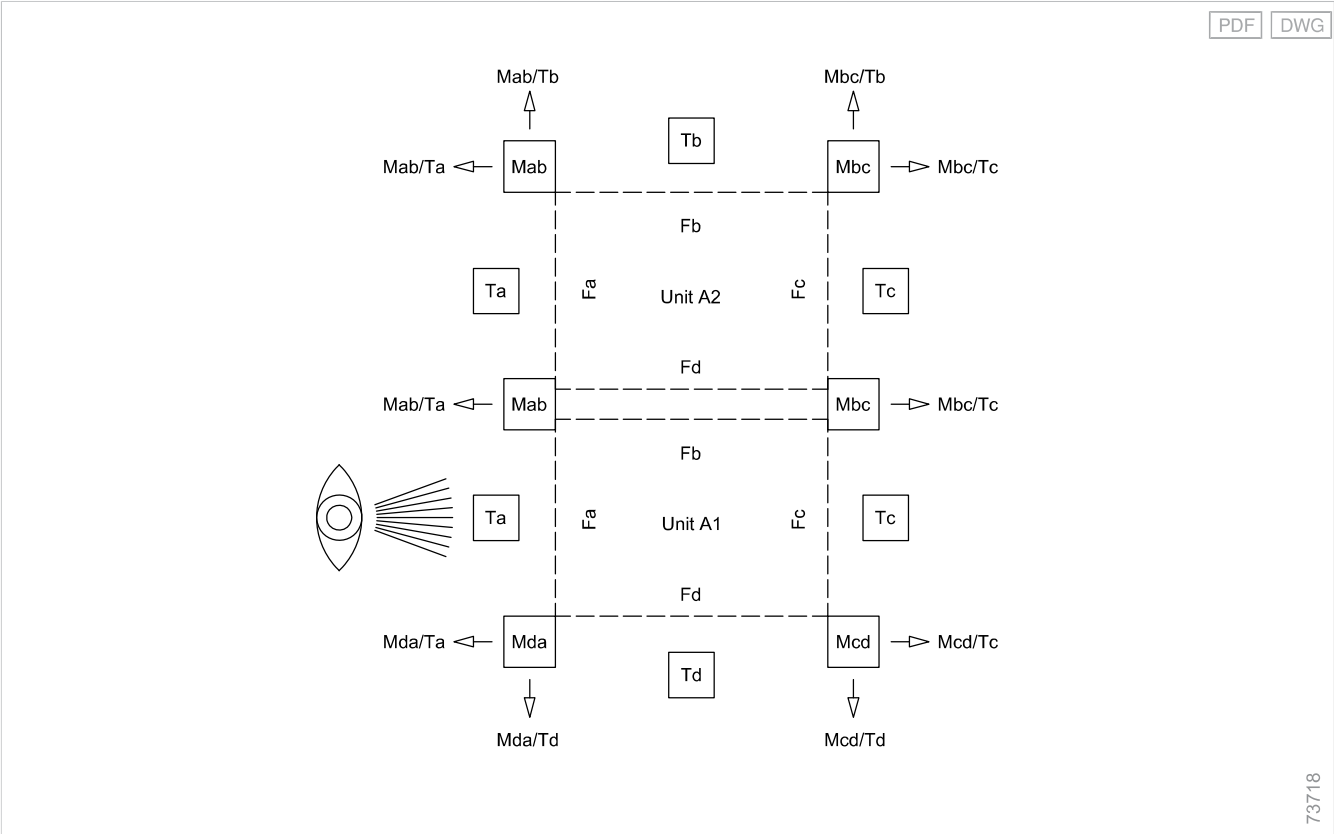
Top view of the position/connection points - Lamaxa Line L50



F Field
M Point of installation (pole or wall connection)

T Crossbeam

Top view of the position/connection points - Lamaxa Line L50



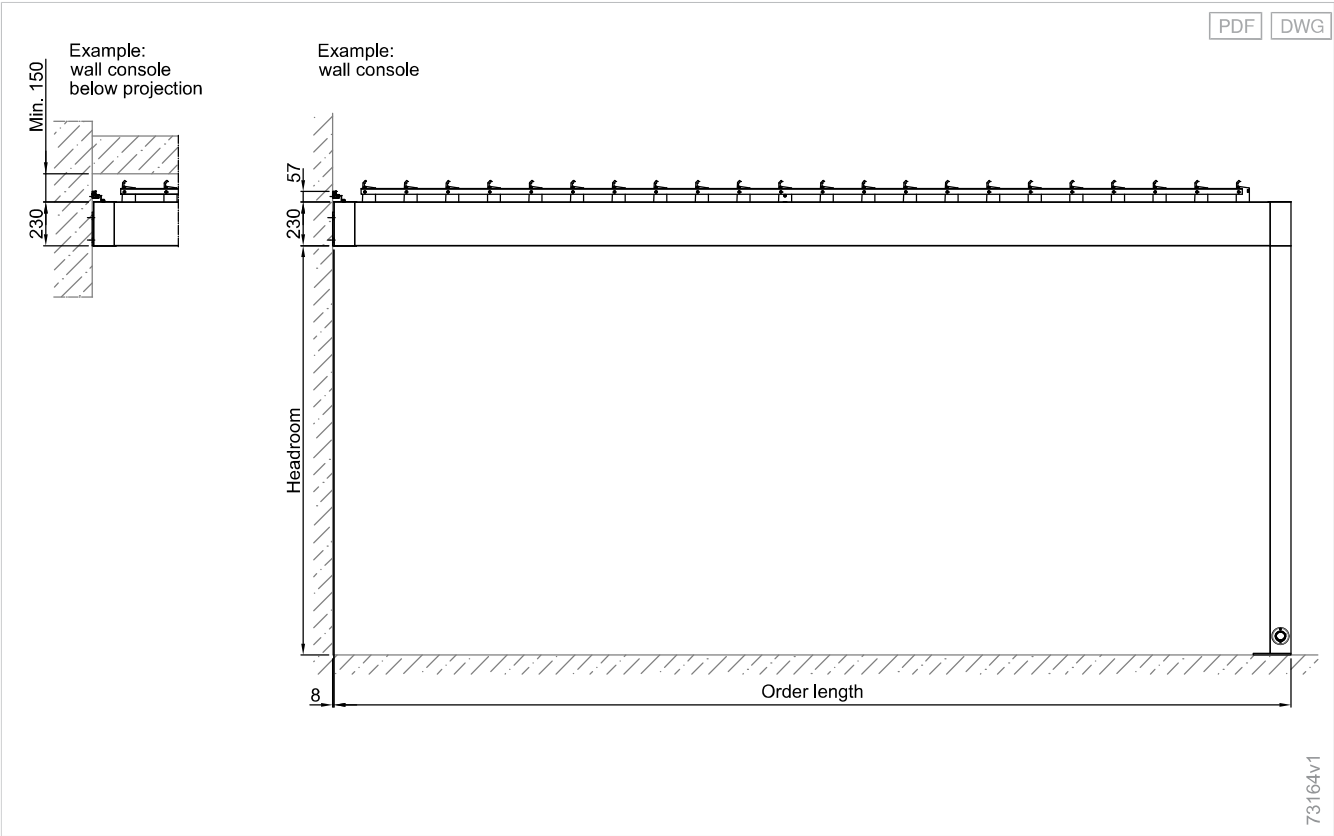
F Field
M Point of installation (pole or wall connection)

T Crossbeam

Planning
Slat roofs
Lamaxa

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Lamaxa

Side view of wall connection with wall console - L50



Fabric roofs
Lamaxa

Supplementary
accessories

Drive
variants

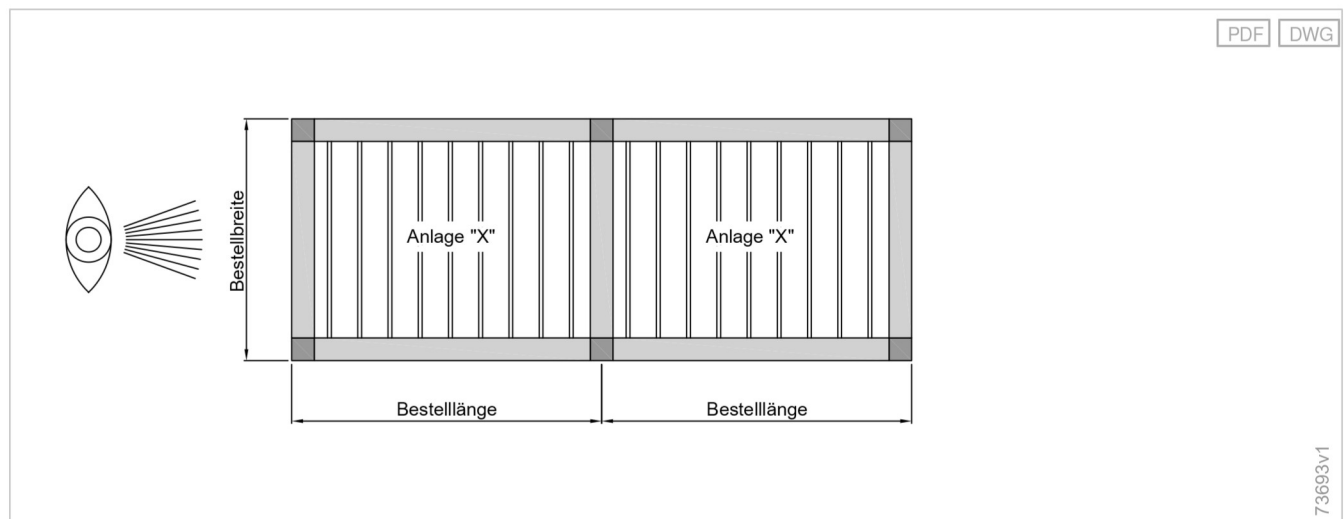
Standards

Optimum order length - Lamaxa L50 Line/star unit

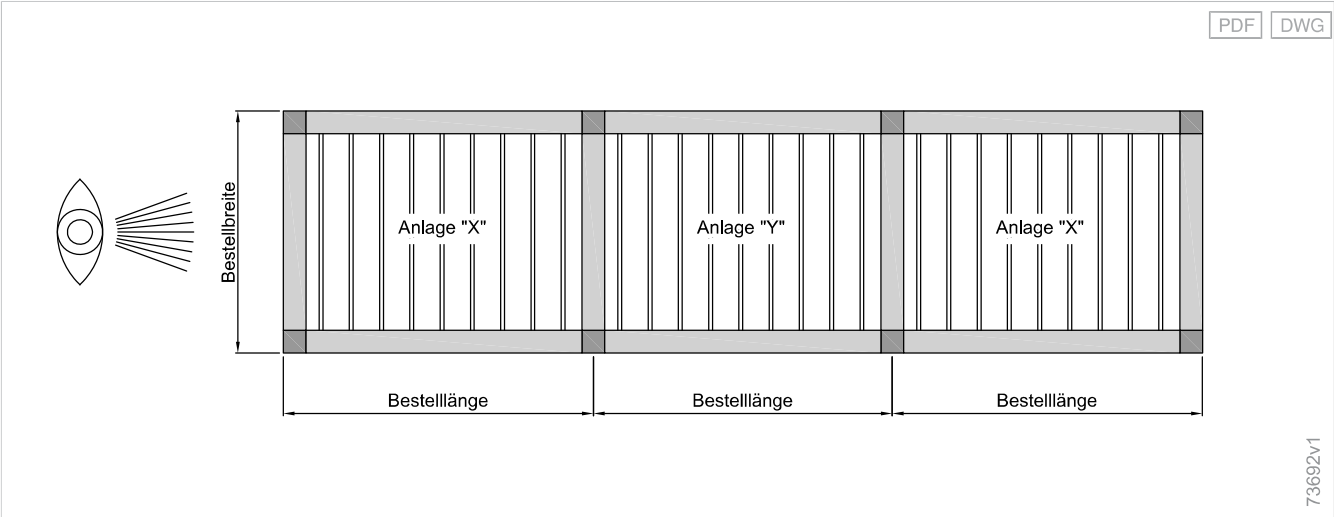
System X: Order length in mm	System Y: Order length in mm	Number of slats
2000	2000	8
2173	2145	9
2393	2365	10
2613	2585	11
2833	2805	12
3053	3025	13
3273	3245	14
3493	3465	15
3713	3685	16
3933	3905	17
4153	4125	18
4373	4345	19
4593	4565	20
4813	4785	21
5033	5005	22
5253	5225	23
5473	5445	24
5693	5665	25
5913	5885	26
6000	6000	26

The order length in the table is the dimension with the smallest possible length compensation plates and corresponds to the optimum order dimension (except order length 2000 mm and 6000 mm). To determine the optimal order length for the L50 Line and star units, please use the following sketches for dimension determination.

L50 Line - 2 units



L50 Line - 3 to 6 units

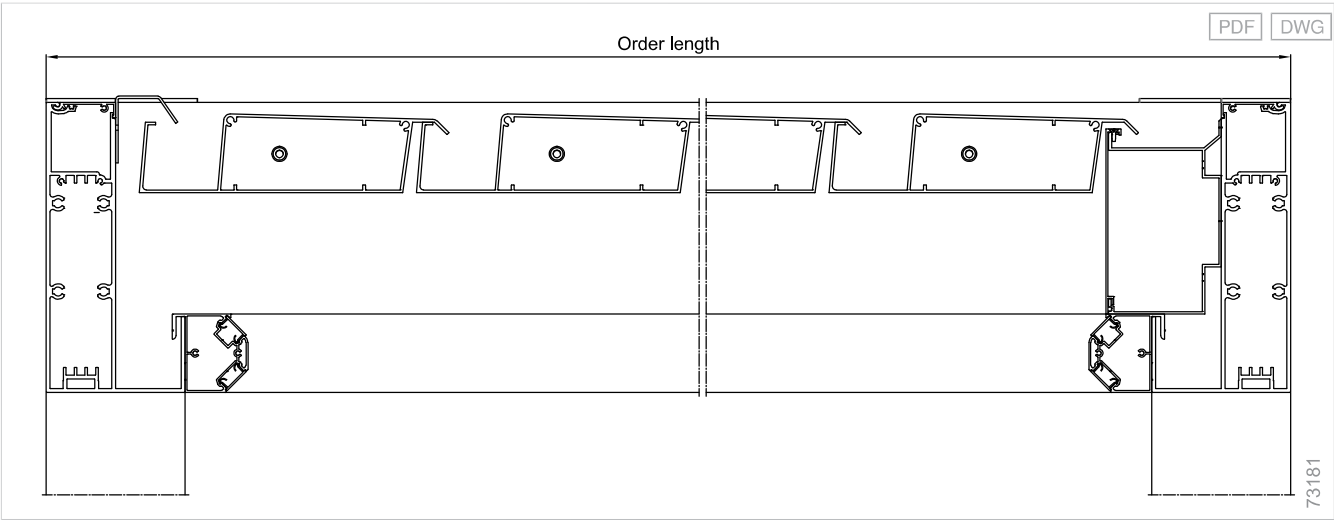


Planning

Slat roofs
Lamaxes

Details

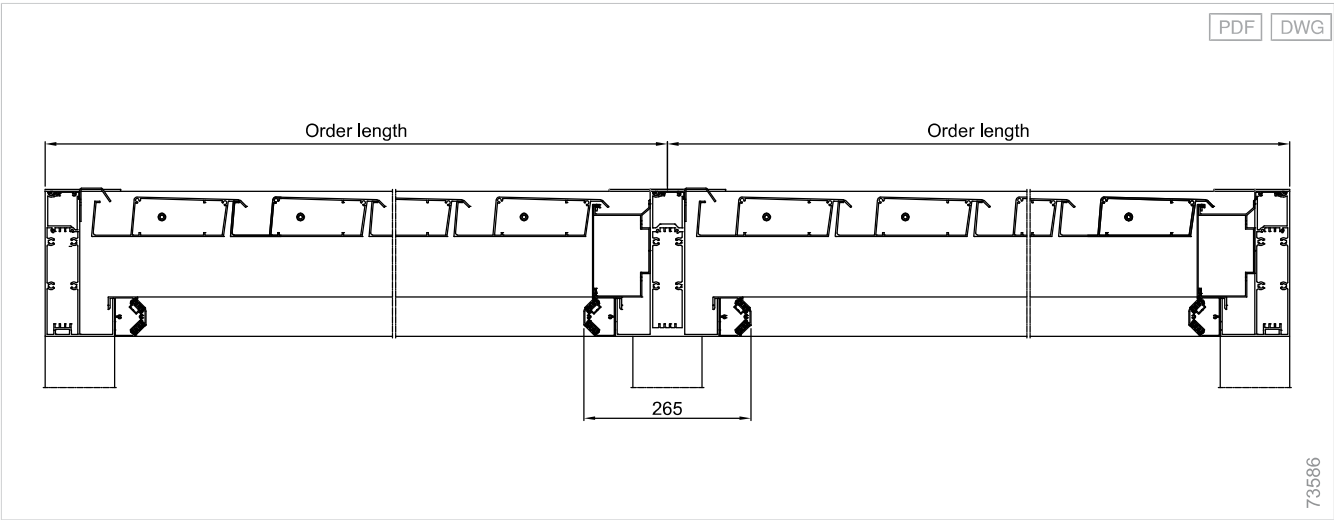
Length comparison (with connection box) - L50



Glass roofs
Lamaxes

Fabric roofs
Lamaxes

Joint order width - L50 Line

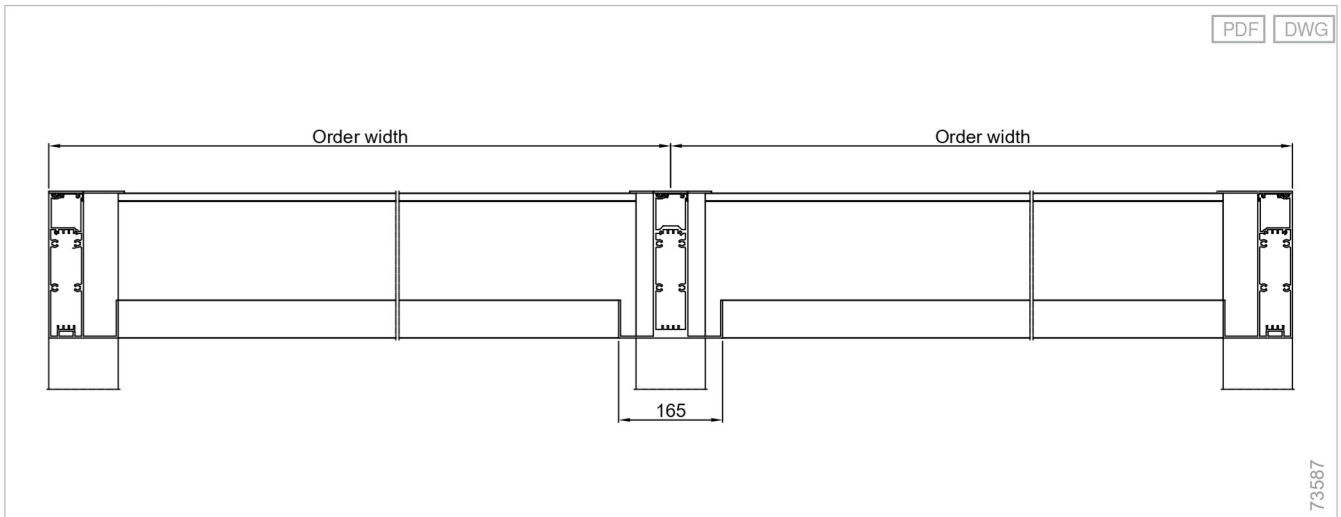


Supplementary
accessories

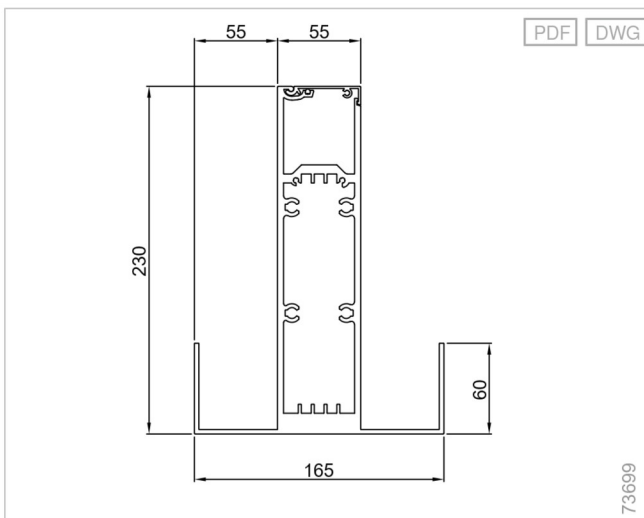
Drive
variants

Standards

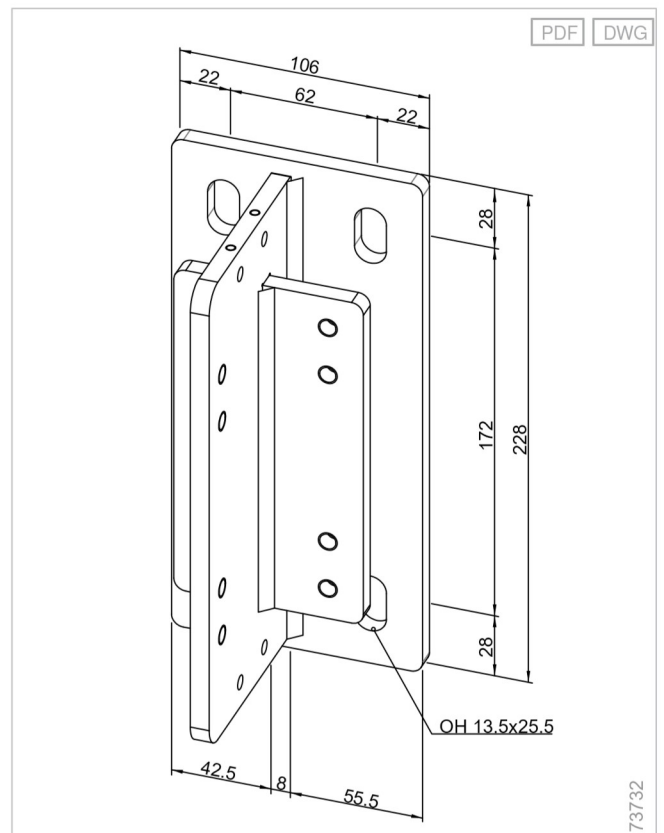
Joint order length - L50 Line



Middle crossbeam - L50 Line



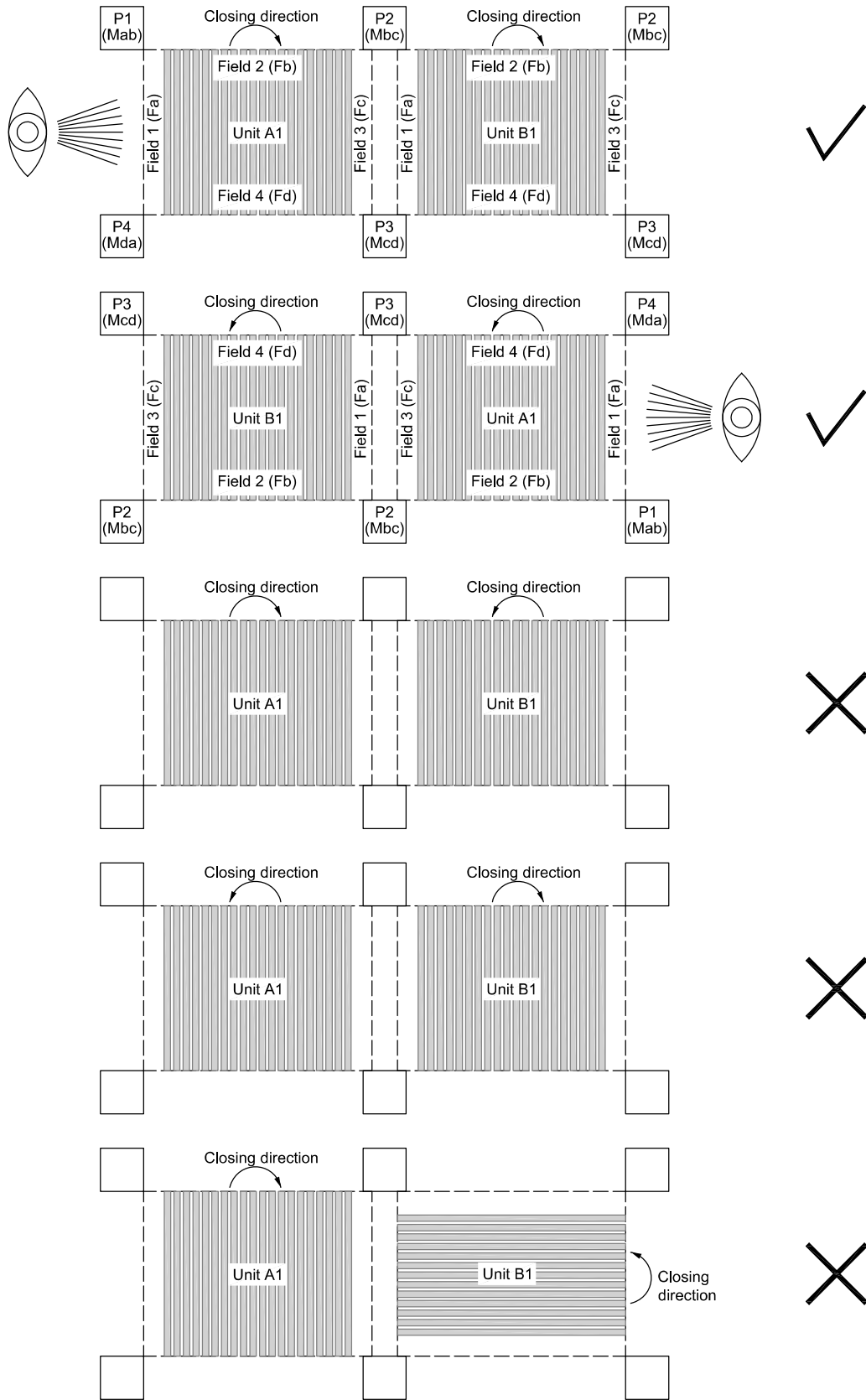
Wall console - L50 Line



Mounting examples

Joint order width - Lamaxa Line L50/L60

PDF DWG



73576

Planning

Slat roofs
Lamaxa

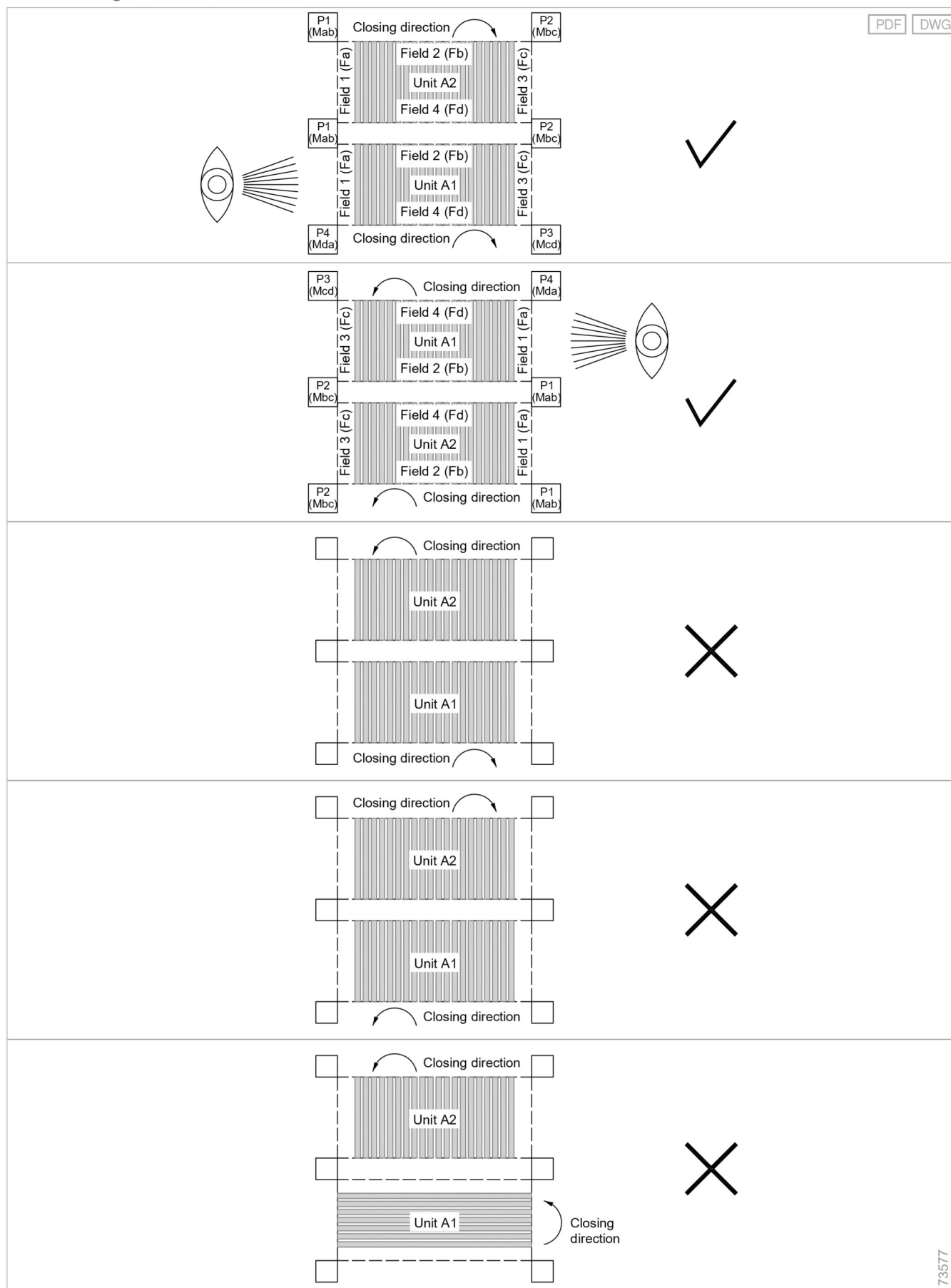
Glass roofs
Lamaxa

Fabric roofs
Lamaxa

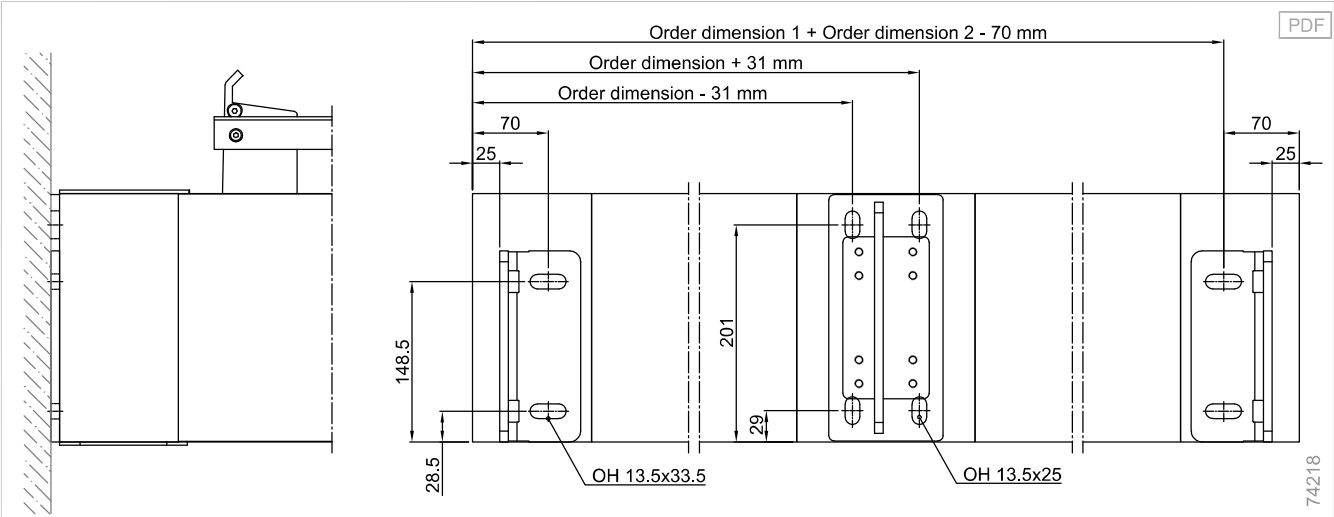
Supplementary
accessories

Drive
variants

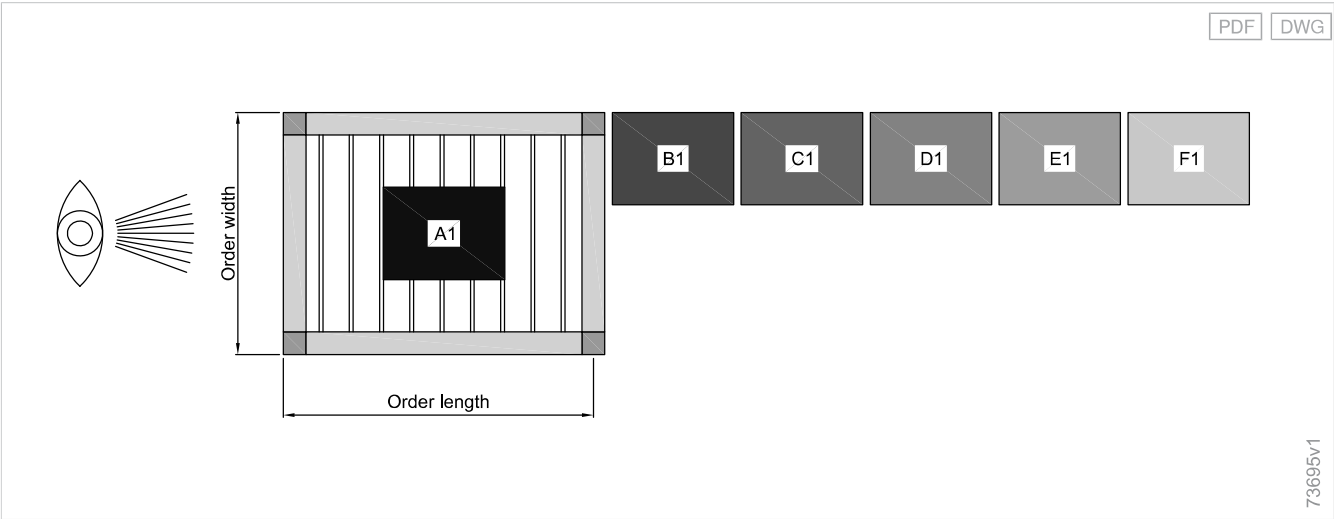
Standards



Side view of wall connection - L50 Line/star unit



Starting point positioning example 1 - L50 Line



Planning

Slat roofs
Lamaxes

Glass roofs
Lamaxes

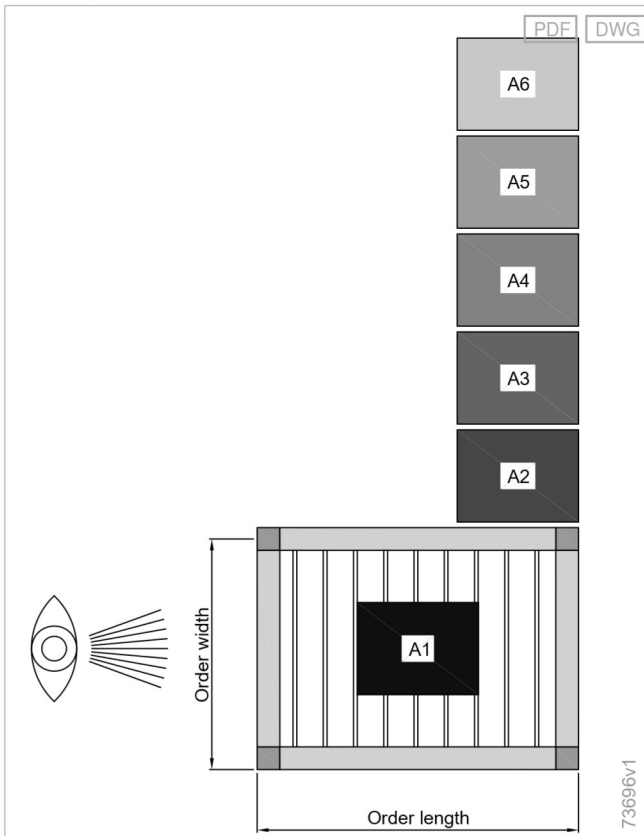
Fabric roofs
Lamaxes

Supplementary
accessories

Drive
variants

Standards

Starting point positioning example 2 - L50 Line



Starting point positioning example 3 - L50 star system

