



Supplementary accessories

Design radiant heater

Modern

With its tinted glass ceramics and the flat housing, the Design radiant heater has an especially modern look.

Coordinated

Harmonious colour coordination: The entire WAREMA Colour World is available for your Design radiant heater. The colour of the housing can be matched to your sun shading product.

Efficient

With a width of 974 mm and output of 2200 watts, the Design radiant heater quickly and effectively warms patio areas.

Can be used for:

- Terrea articulated arm and cassette awnings
- Perea pergola awnings
- Climara conservatory awnings
- Lamaxa slat roofs



☒ Product characteristics

- Optional dimming function
- Attractive design
- Operation via hand-held transmitter



Colours

- WAREMA Colour World
- ➕ see "Colours and finishes", Page 10

Product characteristics

Power	2200 W
Operation	Optionally with switch or WMS radio remote control.
Attachment	Possible on the slat roof or the building wall.
Operating voltage	230 V AC
Degree of protection	IP 65
Width	974 mm
Height	176 mm
Weight	8 kg
Inclination angle	30 - 40 °

Product characteristics

- Infrared short wave radiant heater
- Reduced red light radiation thanks to black glass ceramic cover
- Powder-coated housing
- Can optionally be dimmed via WMS dimmer 0-10 V

Notes

Minimum distance:

- In the lighting area, the minimum distance to flammable materials must be at least 1000 mm.
- For awnings with a valance or valance roller blind, the radiant heater may only be operated when the awning is extended.
- The use of a radiant heater with awnings with a superordinate electronic control and a manual valance roller blind, for example, is not recommended.
- The radiant heater is only suitable for outdoor use and must be mounted horizontally.
- Please observe the safety instructions in the installation and operating instructions.

Fuse required: Please note when planning that a separate fuse C16 is required for radiant heaters.

Quantity:

- L50: max. 2 Design radiant heaters (crossbeam a and/or c)
- L60/L70: max. 4 Design radiant heaters (crossbeam a, b, c and/or d)

Max. 2x radiant heaters or 1x radiant heater in combination with 1x power socket can be directly connected to the Lamaxa electrical distribution. Anything beyond this must be implemented on-site (separate connecting line).

Radiant heater in combination with LED/RGB profile:
The radiant heater cannot be combined with the LED/RGB profile on the crossbeam.

Radiant heater in combination with protection profile:
The radiant heater cannot be combined with the protection profile.

Power socket in combination with radiant heater: The power socket can be combined with a maximum of one radiant heater! A separate connecting line is required if more than one radiant heater is installed.

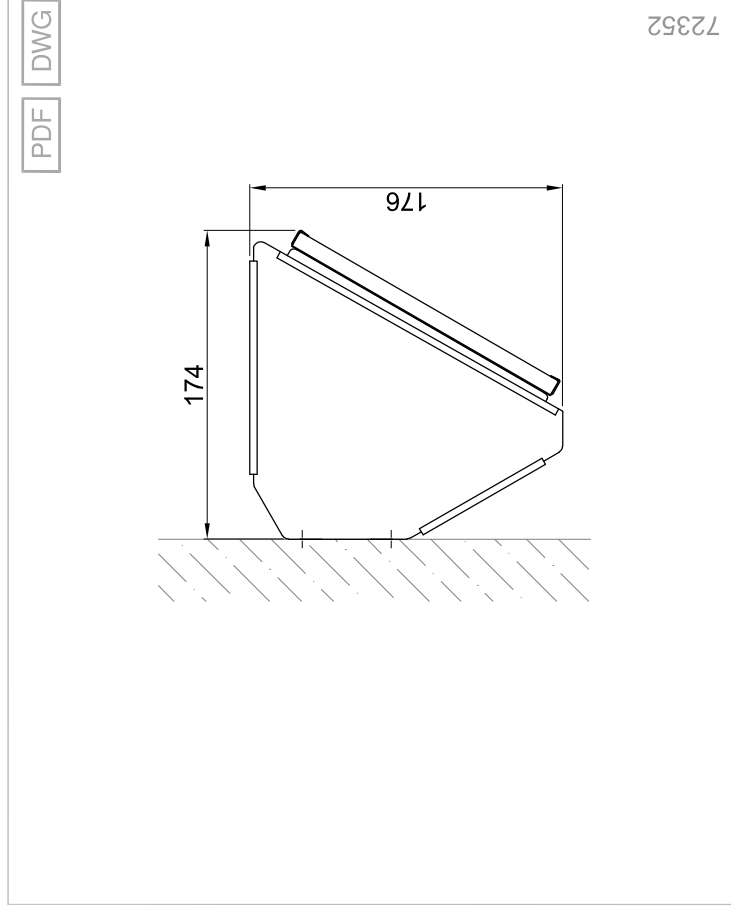
Details

Design radiant heater

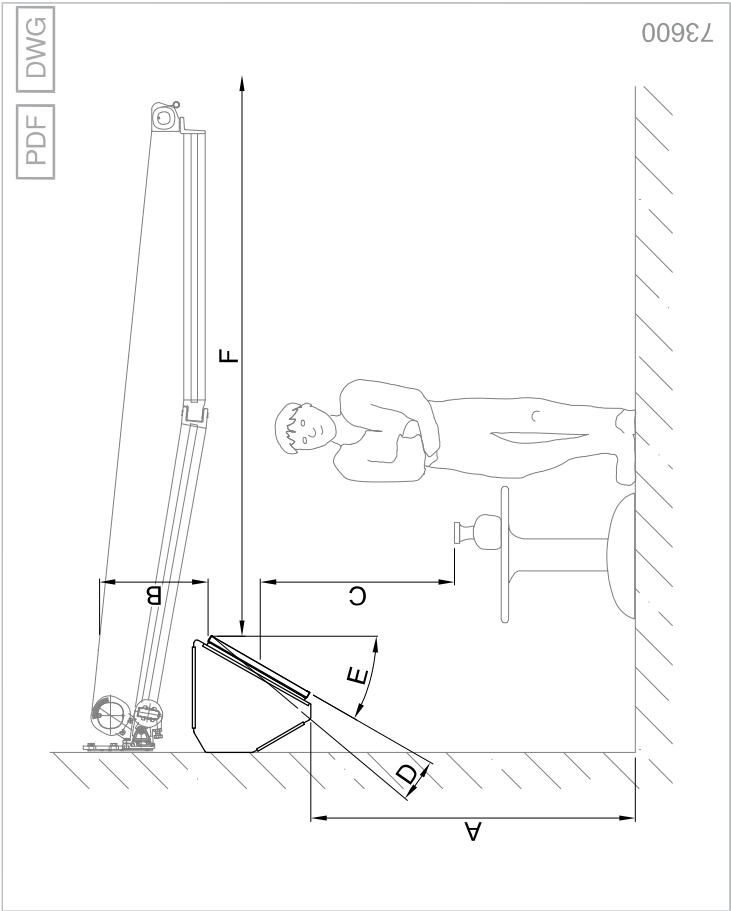


Mounting examples

Wall installation - design radiant heater



Design radiant heater mounting position



- | | | | |
|---|--|---|--------------------------------|
| A | Minimum distance from the floor is 2100 mm | D | Continuously adjustable to 40° |
| B | Minimum distance toward the top is 240 mm and to the sides is 600 mm | E | Standard inclination 30° |
| C | Minimum distance downward to flammable material is 1000 mm | F | Distance forward is 1500 mm |



Planning

Slat roofs
Lamaxes

Glass roofs
Lamaxes

Fabric roofs
Lamaxes

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Supplementary accessories

Lamaxa lighting

Dimmable

For individual lighting moods: The VMS dimmer sets the LED strips to the desired brightness, ranging from soft ambient lighting to bright reading lighting.

Smart

Wireless operation: The lighting can be switched on and off and dimmed using a hand-held transmitter.

Colourful

Coloured lighting to match your mood: The indirect RGB lighting can be set to any colour.

Can be used for:

- Lamaxa L70
- Lamaxa L60
- Lamaxa L50



☒ Product characteristics

- Depending on the type of slat roof, the LED lighting can be attached in a number of ways. For example, integrated or surface-mounted models with direct and/or indirect attachment are available.
- The RGB lighting, which can be used for indirect lighting, adjusts the light colour to suit the mood.

LED lighting - L50/L60/L70

Can be used for:

- Lamaxa L70
- Lamaxa L60
- Lamaxa L50

Set

Lens - LED strips

Operating voltage	24 V DC
Total power of light	400 running metre per metre, 4.8 W/m

Degree of protection	IP 67
Durability	Approx. 10000 operating hours
Colour temperature	3000 K

LED strip profile

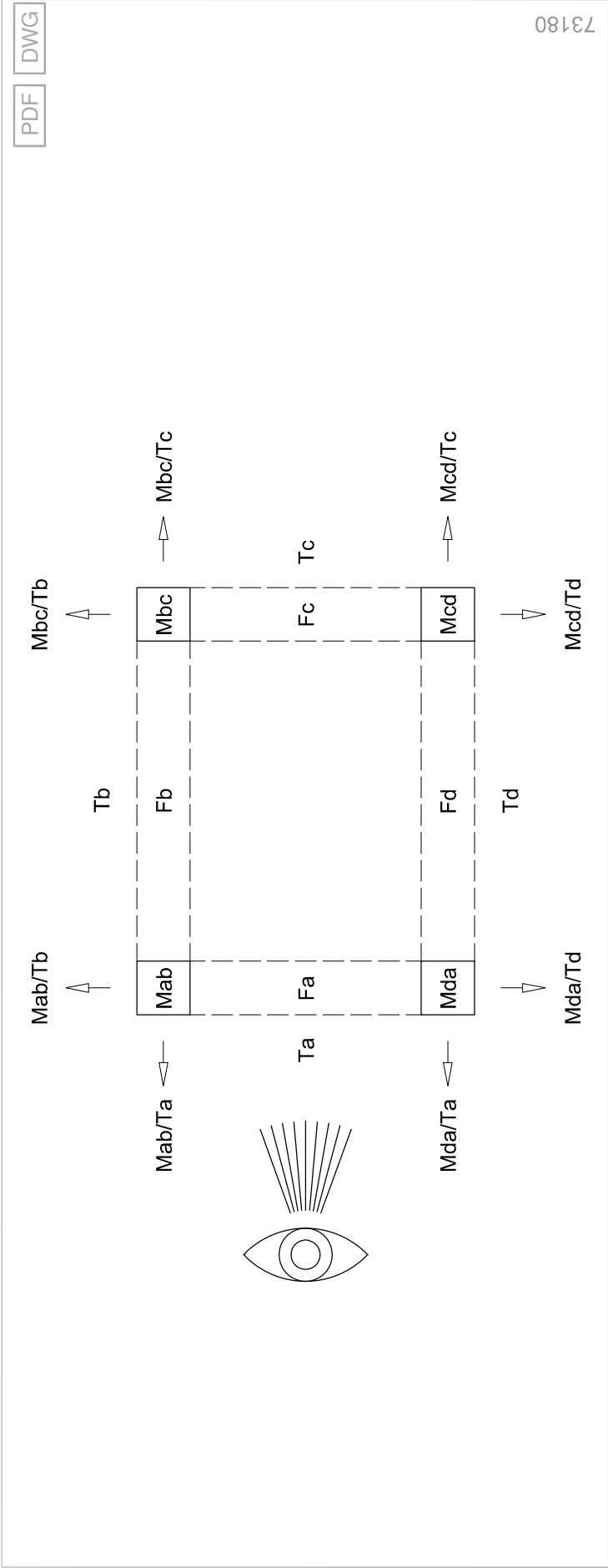
Material	Aluminium, extruded
Surface	Powder-coated
Width	50 mm
Height	62 mm

Power supply unit - integrated lighting Lamaxa

Degree of protection	IP 54
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Dimension determination

Top view of the position/connection points - L50/L60/L70



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

T Crossbeam

Notes

Notes on product configuration

L50: If LED or RGB lighting is selected, a junction box on the crossbeam is absolutely necessary for electrical distribution (see surcharge for L50).

Unlit area:The RGB strips are assembled in increments of 50 mm. This can lead to an unlit area of max. 100 mm per side.

Radiant heater in combination with LED/RGB profile: The radiant heater cannot be combined with the LED/RGB profile on the crossbeam.

Slat roofs
Lamaxa

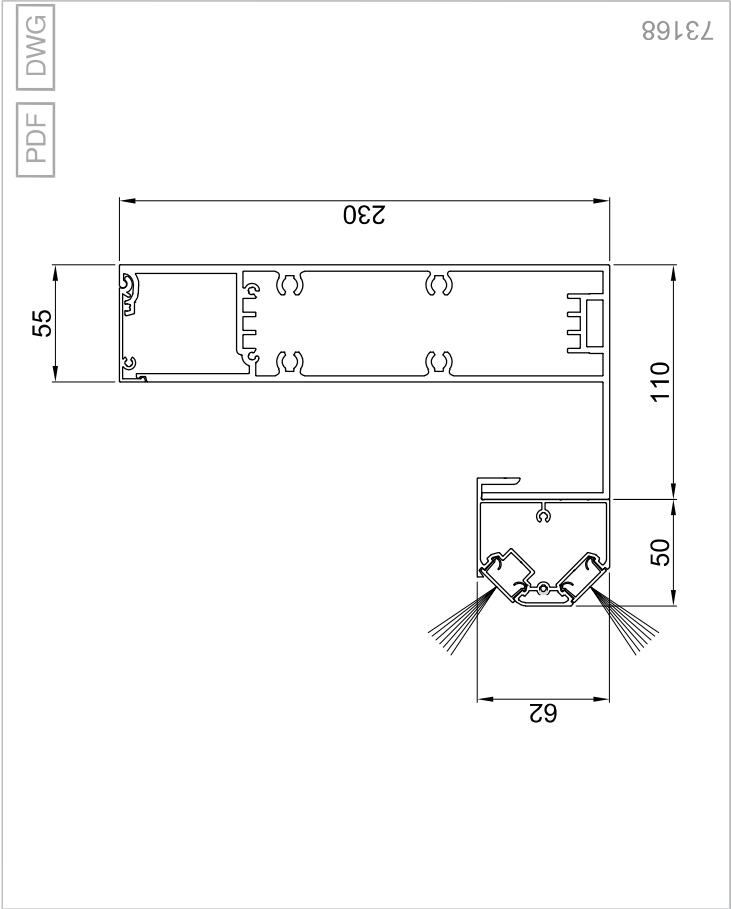
Glass roofs
Lamaxa

Fabric roofs
Lamaxa

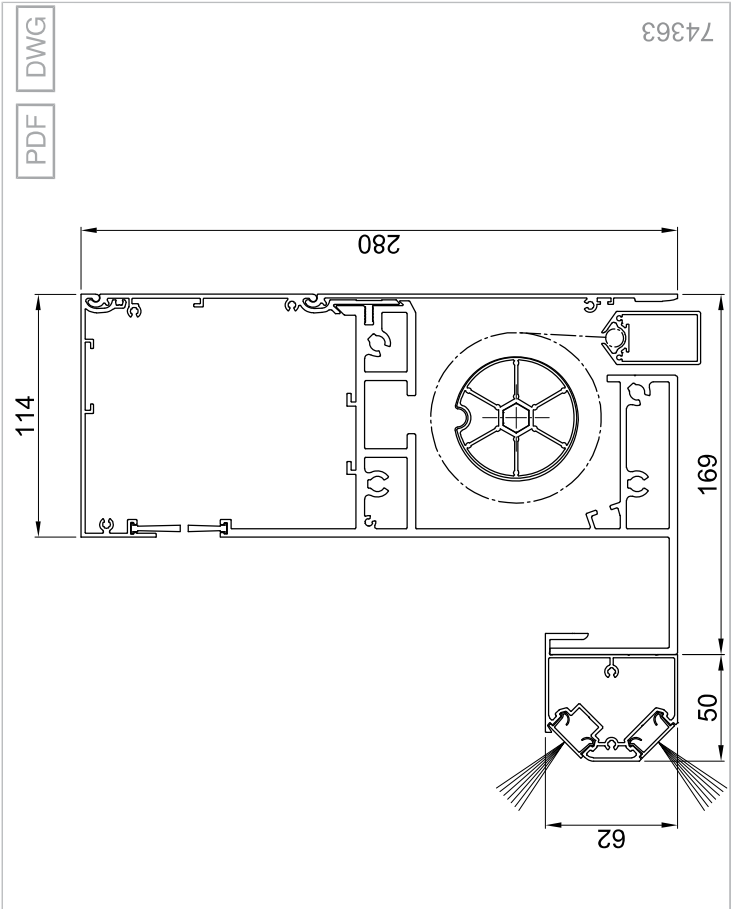
Supplementary
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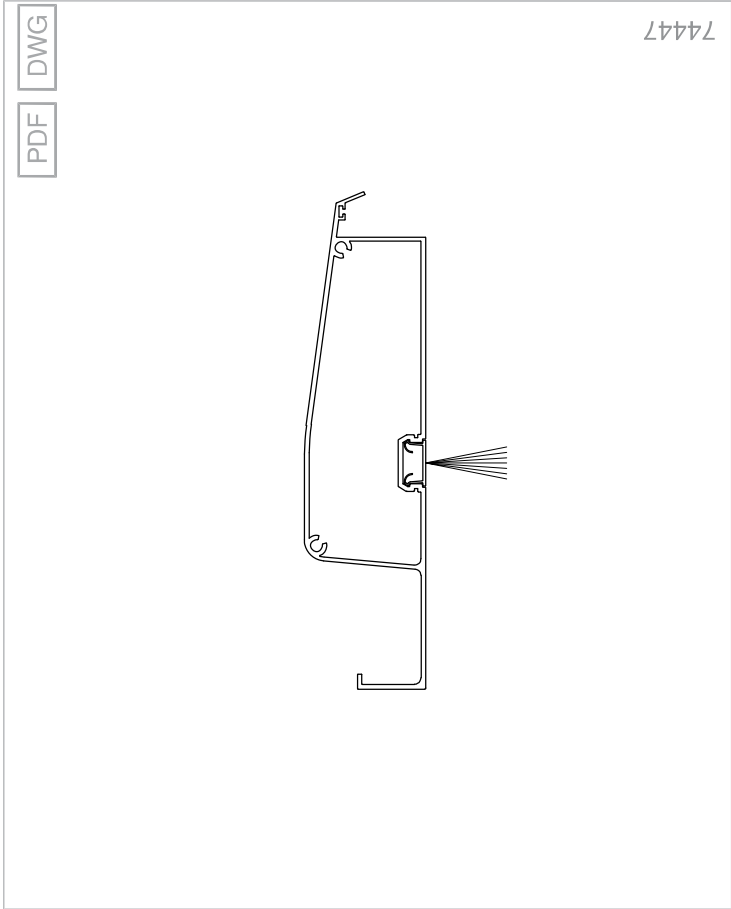
Crossbeam with LED profile - L50



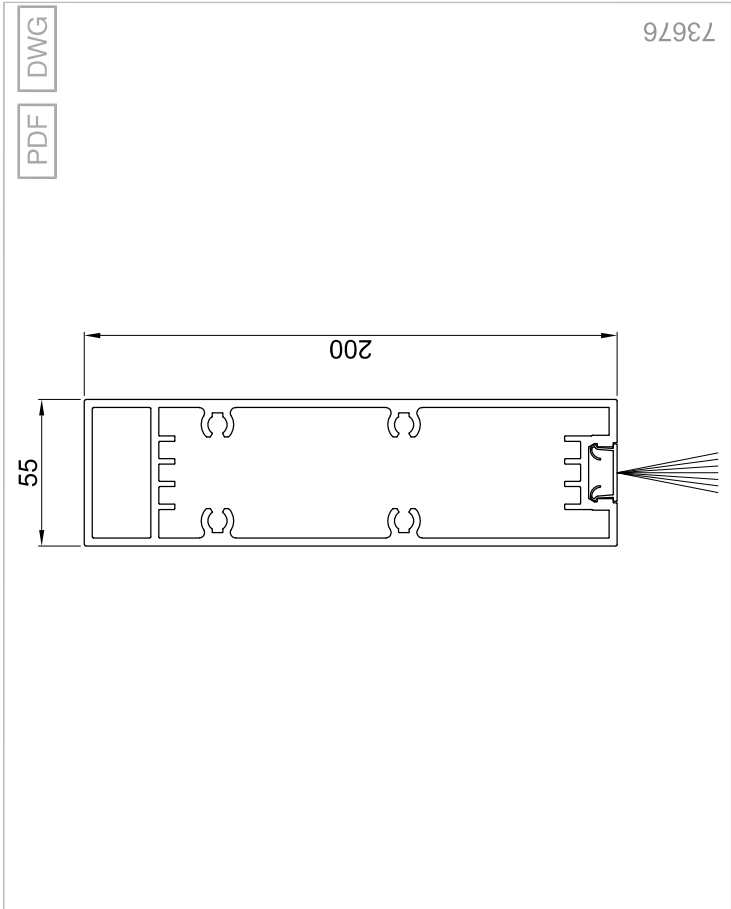
L70, crossbeam b/d, optional LED profile



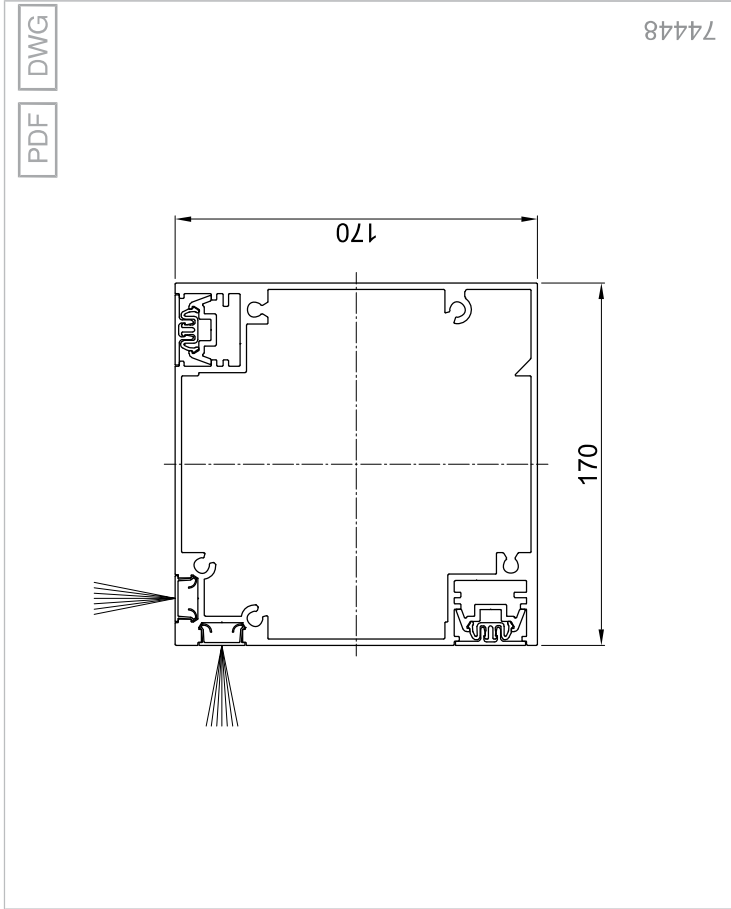
L50/L60, LED slat



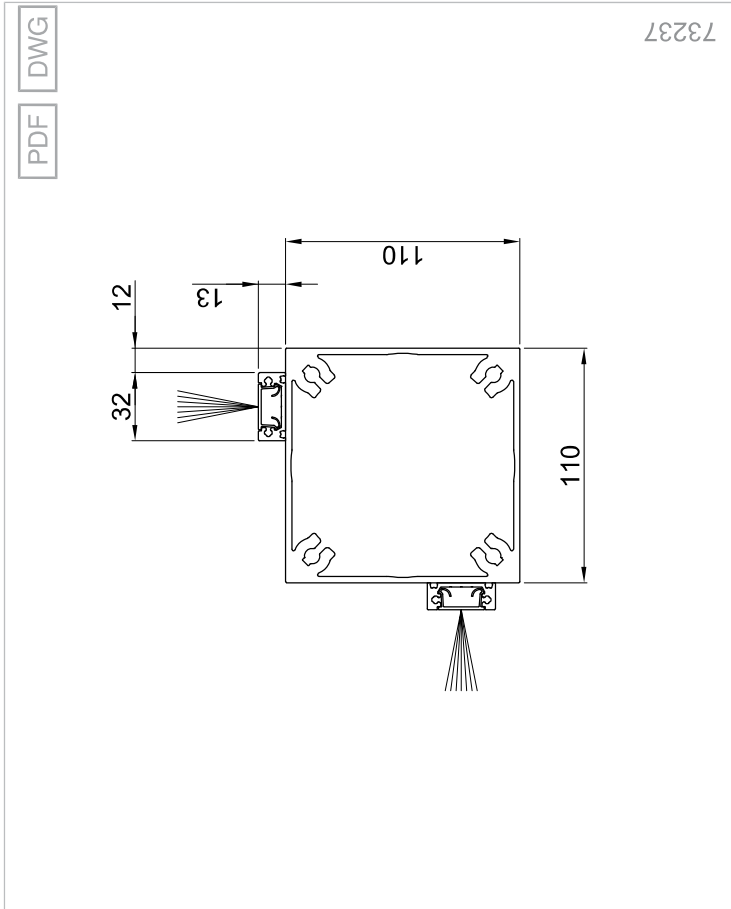
Rafter with integrated LED strip - L50 View



L60/L70, poles with integrated LED lighting



LED lighting on pole - L50





Additional product information

Use of Lamaxa LED lighting

	L70	L60	L50	L50 View	L50 Tex
Two-sided LED lighting on the crossbeam - direct and/or indirect (crossbeams b and d)	x	x	x	-	x
Four-sided LED lighting on the crossbeam - direct and/or indirect (crossbeams a to d)	x	x	x	-	x
LED lighting in pole	x	x	-	-	-
LED lighting on pole	-	-	x	x	x
LED lighting in the slat(s) (max. 4 slats)	-	x	x	-	-
LED lighting in rafters	-	-	-	x	-

Prefitting for lighting - L60/L70

A corresponding prefitting for lighting is required to retrofit LEDs in the pole. Without this prefitting, subsequent LED lighting in the pole is not possible.

All lines required for the product are supplied and have to be laid in the slat roof during installation, also for the prefitted version. Only lines that have a power consumer can be connected in the motor operation distribution system. For this reason, the lines for the prefitted variant must not be connected.

Position	Prefitting components
Field a-d	Connecting line and 24 V DC distributor

RGB lighting - L50/L60/L70

Can be used for:

- Lamaxa L70
- Lamaxa L60
- Lamaxa L50

Set

Lens - LED strips

RGB strip

Operating voltage	24 V DC
Total power of light	12 W/m
Degree of protection	IP 54
Durability	Approx. 25000 operating hours

LED strip profile

Material	Aluminium, extruded
Surface	Powder-coated
Width	50 mm
Height	62 mm

Additional product information

Use of RGB lighting for Lamaxa

	L70	L60	L50	L50 View	L50 Tex
Two-sided RGB lighting on the crossbeam - indirect (crossbeams b and d)	x	x	x	-	x
Four-sided RGB lighting on the crossbeam - direct and indirect (crossbeams a to d)	x	x	x	-	x

Power supply unit - integrated lighting Lamaxa

Degree of protection	IP 54
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Notes

Notes on product configuration

L50: If LED or RGB lighting is selected, a junction box on the crossbeam is absolutely necessary for electrical distribution (see surcharge for L50).

Unlit area:The RGB strips are assembled in increments of 50 mm. This can lead to an unlit area of max. 100 mm per side.

Radiant heater in combination with LED/RGB profile:

The radiant heater cannot be combined with the LED/RGB profile on the crossbeam.



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Supplementary accessories

Shading systems

Lateral protection

More privacy: practical lateral visual privacy, sun shading and wind protection for pleasant hours on the patio. For an all-round shielded time outdoors, all four sides can be fitted with an integrated awning.

Durable

High-grade technology: the easyZIP guidance makes for a taut appearance, with high wind stability and no lateral light gaps.

Creative

Individual design: A selection of over 300 designs is available for fabrics.

Can be used for:

- Lamaxa L70
- Lamaxa L60
- Lamaxa L50



Product characteristics

- Vertical shading solutions ensure both visual privacy and serve as sun shading and wind protection
- The easyZIP guidance provides products with high wind stability



Integrated awnings with easyZIP guidance

Notes

Notes on product configuration

An integrated awning with easyZIP guidance can be used on all four fields of the Lamaxa.

We recommend the fabric quality Screen, as this creates an even fabric appearance as well as a taut fabric tension.

Notes on installation

The integrated awnings with easyZIP guidance are integrated into the crossbeam, the guide rails are

integrated into the pole. The end rail is not completely integrated into the crossbeam when retracted; this can be adjusted during installation if necessary.

The integrated awnings with easyZIP guidance are preassembled at the factory. The units simply need to be connected and learned.

The wiring for this is already prepared in the slat roof.

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order height	Maximum order height	Maximum order area
Fabric qualities					
Screen fabric 4 % / 5 %	750 mm	6000 mm	950 mm	3000 mm	17,40 m²

Dimension determination

Configuration view:

Height of integrated awnings with easyZIP guidance = Lamaxa headroom + 122 mm

Width of integrated awning with easyZIP guidance = Lamaxa order width/length - 284 mm

Width with additional pole:

Width of integrated awning with easyZIP guidance, field Faa/Fba/Fca/Fda = Laa/Lba/Lca/Lda - 115 mm

Width of integrated awning with easyZIP guidance, field Fab/Fbb/Fcb/Fdb = Lamaxa order width/length - Laa/Lba/Lca/Lda - 285 mm

Additional product information

Prefitting for integrated awnings with easyZIP guidance - L60/L70

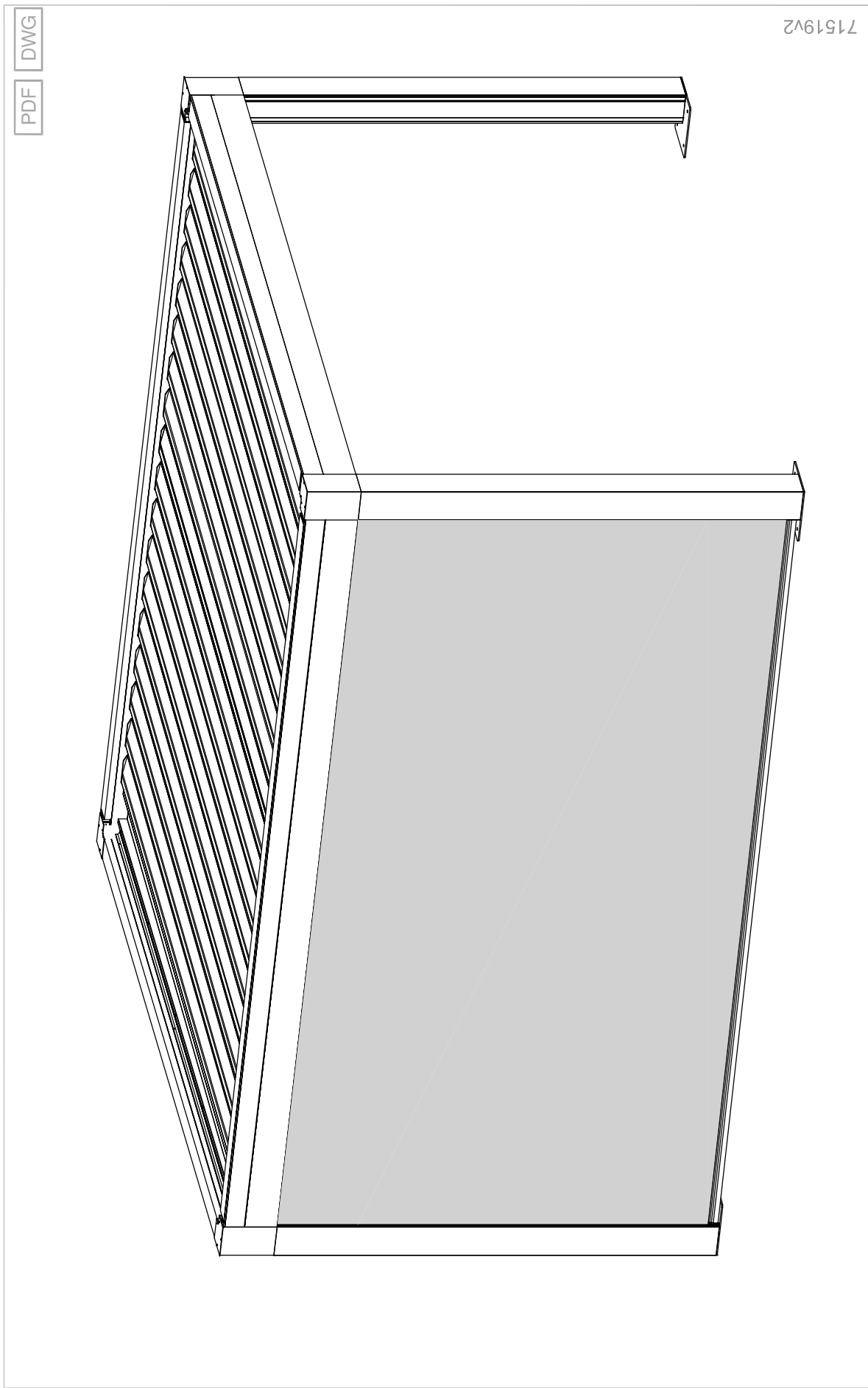
The slat roofs L60/L70 can be prefitted for comfortable retrofitting of additional components.

All lines required for the product are supplied and have to be laid in the slat roof during installation, also for the prefitted version. Only lines that have a power consumer can be connected in the motor operation distribution system. For this reason, the lines for the prefitted variant must not be connected.

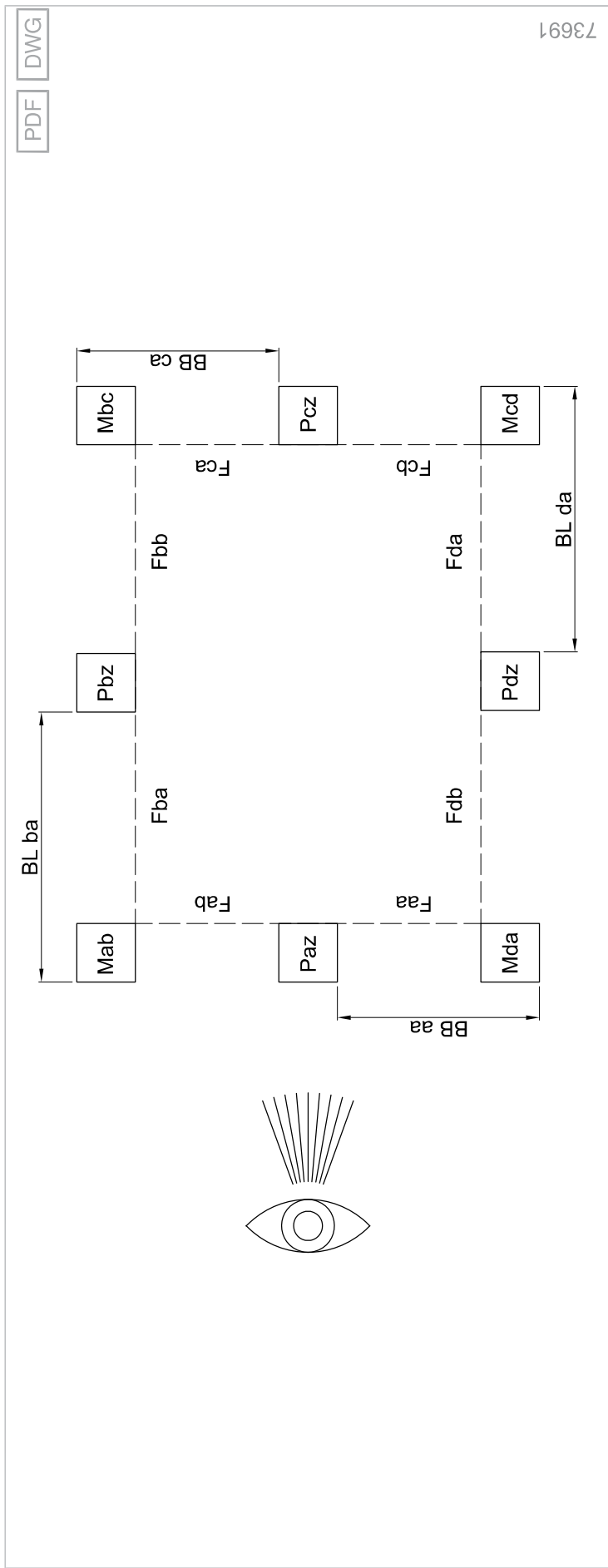
Position	Prefitting components
Field a-d	Motor line

Mounting examples

Integrated awning with easyZIP guidance - L60/L70



Top view of fields and poles - L50/L50 Tex/L60/L70

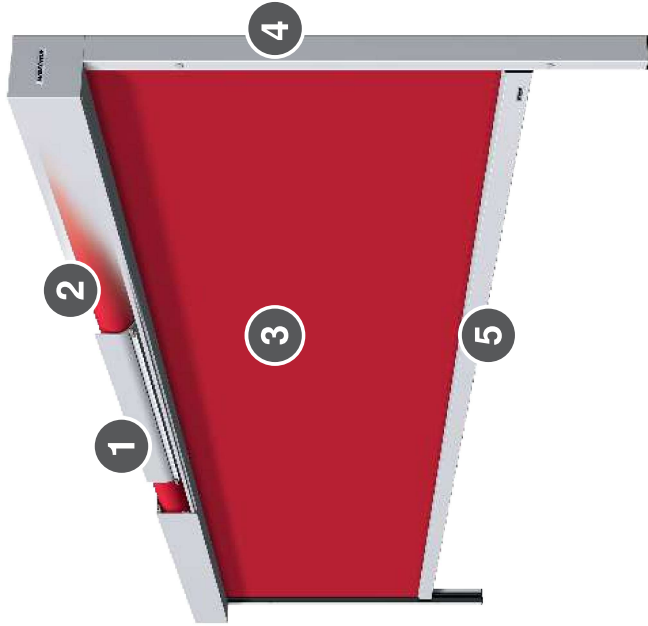


P	Pole	z	Additional
F	Field	BB	Order width
M	Point of installation (pole or wall connection)	BL	Order length

GranTex with easyZIP guidance

Components

GranTex with easyZIP guidance



- 1 Box with fabric shaft support
- 2 Fabric shaft
- 3 Awning fabric
- 4 Lateral guidance
- 5 End rail

Box

Size 110

Box sizes	110
Unwinding direction	Left-rolling blind, Right-rolling blind
Material	Aluminium, extruded
Surface	Powder-coated
Optional surface	Anodised

Due to the large overall width, a box support is necessary. The box support can either be made by means of a wall console or by screwing the box. If the box is supported by means of a console, only a left-rolling blind is possible.

+ Side cover

Side covers for front-mounted awnings, rectangular

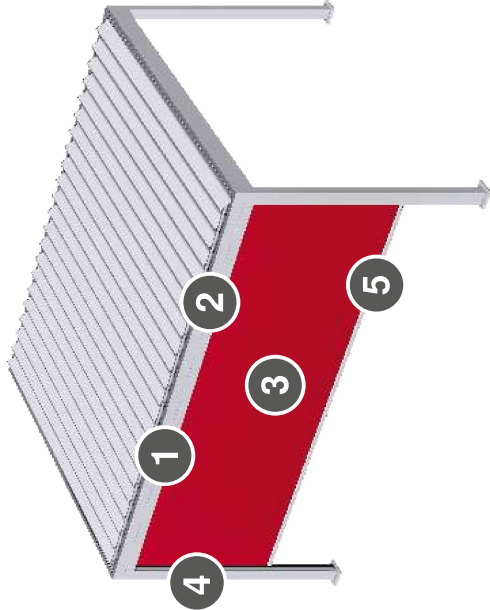
Material	Diecast aluminium
Surface	Powder-coated
Material, notes	If an anodised finish is selected, powder coating will be done in a similar colour.

+ Inspection cover

Inspection cover for front-mounted awning, rectangular

Material	Aluminium, extruded
Surface	Powder-coated
Optional surface	Anodised

GranTex with easyZIP guidance - L50



- 1 Box with fabric shaft support
- 2 Fabric shaft
- 3 Awning fabric
- 4 Lateral guidance
- 5 End rail

+ Inspection cover, optional

High inspection cover

Material	Aluminium, extruded
Surface	Powder-coated
Optional surface	Anodised
Height	25 mm
Dimensions, notes	- Housing for plug-in connector available. - Reduced viewing height of the end rail.

Shaft

Fabric shaft Ø 62.2 mm

Material	Aluminium, extruded
Surface	Plain
Profile	Groove tube
Diameter	62.2 mm

End rail

End rail, rectangular

Height	47 mm
Depth	25 mm
Dimensions, notes	The end rail is generally visible.



Guide variants

- easyZIP guidance

Guide rail

- Guide rail T-26x110-G

Clip profile

Material	Plastic, extruded
Material colour	Black
Material colour, optional	Grey

Drive variants

Motor

- Basic motor type ZM REA

Radio motor, optional

- EWFS Radio motor type W-ZM
- WMS Radio motor type WMS-ZM

➕ see "Drive variants", Page 201

Colours

- WAREMA Colour World

➕ see "Colours and finishes", Page 10

Fabric qualities

- Screen fabric 4 % / 5 %
- Soltis 92

Notes

Measurement:

- The water drain must be installed on the front of or laterally on the pole.

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Maximum order height	Minimum order height	Maximum order area
Fabric qualities + Box					
Screen fabric 4 % / 5 % + Size 110	3001 mm	6000 mm	3000 mm	600 mm	18 m²
Soltis 92 + Size 110	3001 mm	6000 mm	3000 mm	600 mm	18 m²

If the order width exceeds the available bale width, the fabric is used crosswise.

In this case, we recommend using all fabrics on a facade crosswise so that a uniform appearance is achieved on the whole building.

- When using the base plate with a base cover, the GranTex with easyZIP guidance does not travel completely to the base, but instead leaves a 25 mm gap.

Wiring:

- As soon as one or more electronic accessory variants (e.g. LED strips, GranTex with easyZIP guidance) are selected for the Lamaxa slat roof, the electrical distribution is performed in a connection box on the crossbeam (field c). If no electronic accessories are selected, the connection is made by line in the crossbeam - regardless of the number of poles.

- **If a GranTex with easyZIP guidance is integrated into crossbeam b, c and d, the wiring is installed across the corner area in the pole in the connection box. If a GranTex with easyZIP guidance is attached to the opposite side of the connection box (crossbeam a), the line is routed in the crossbeam in the connection box.**

Control:

- The GranTex with easyZIP guidance can be controlled via a Lamaxa L50 WMS hand-held transmitter or via a separate hand-held transmitter.

Fabric appearance:

- Due to the fabric bale supports, certain climatic conditions can cause pressure marks on the fabric (temperature, moisture). This does not limit the function/durability in any way.

- **We recommend the fabric quality Screen, as this creates an even fabric appearance as well as a taut fabric tension.**

Surface:

- Anodised finishes are not possible with the Lamaxa L50.

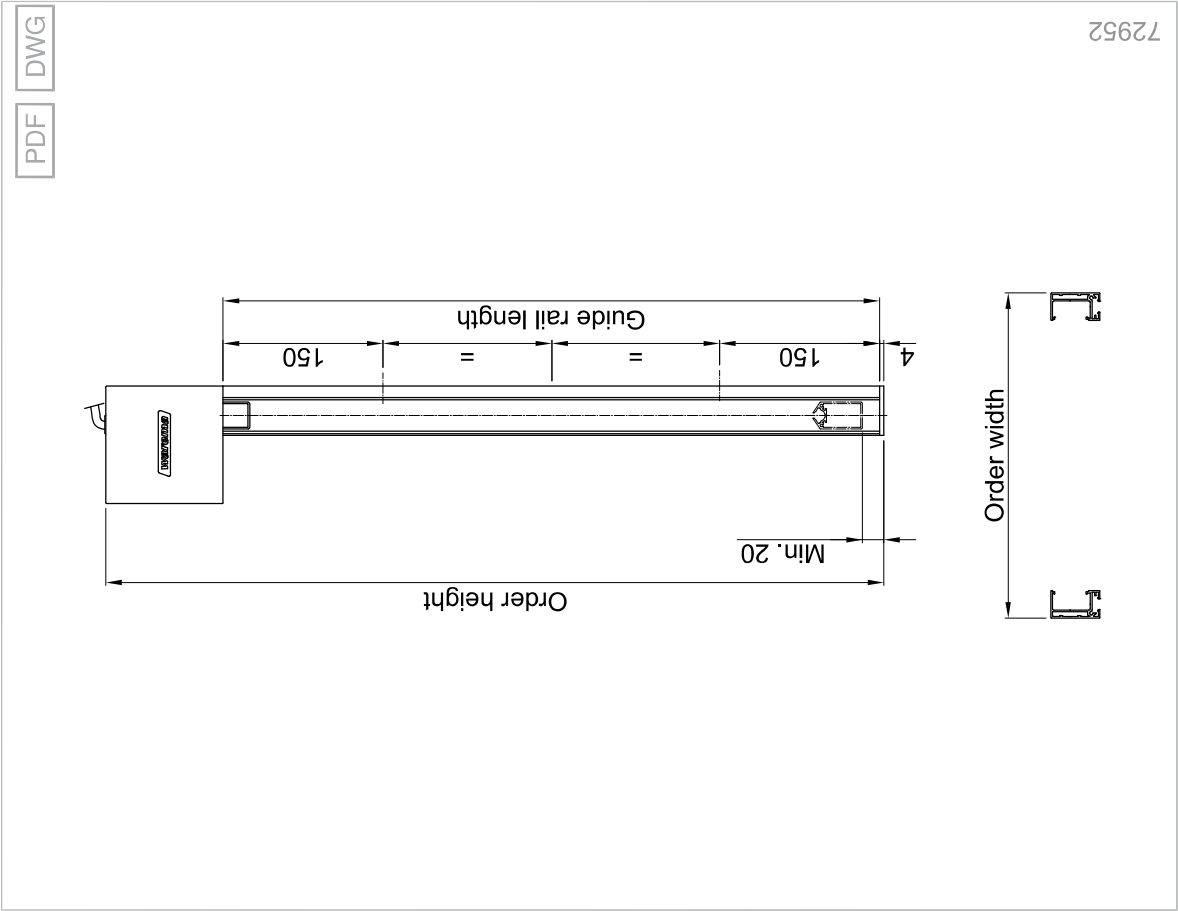
Attention: A GranTex with easyZIP guidance cannot be used with a Lamaxa L50 in the same field together with other optional extras.

Dimension determination

Height GranTex with easyZIP guidance = headroom (length of pole - ground extension)

Width GranTex with easyZIP guidance = order width/length L50 - 222 mm

Measuring instructions, box without wall console



Weight assessment

Weight assessment for window awnings

Order width									
Order height	3001 mm	3500 mm	4000 mm	4500 mm	5000 mm	5500 mm	6000 mm		
600 mm	27 kg	30 kg	33 kg	36 kg	39 kg	42 kg	45 kg		
1000 mm	30 kg	32 kg	35 kg	39 kg	42 kg	45 kg	48 kg		
1500 mm	31 kg	34 kg	38 kg	41 kg	44 kg	47 kg	51 kg		
2000 mm	33 kg	36 kg	40 kg	43 kg	46 kg	50 kg	53 kg		
2500 mm	35 kg	38 kg	42 kg	45 kg	49 kg	52 kg	56 kg		
3000 mm	37 kg	40 kg	44 kg	48 kg	51 kg	55 kg	59 kg		

Detailed information is available on request.

Quantity determination

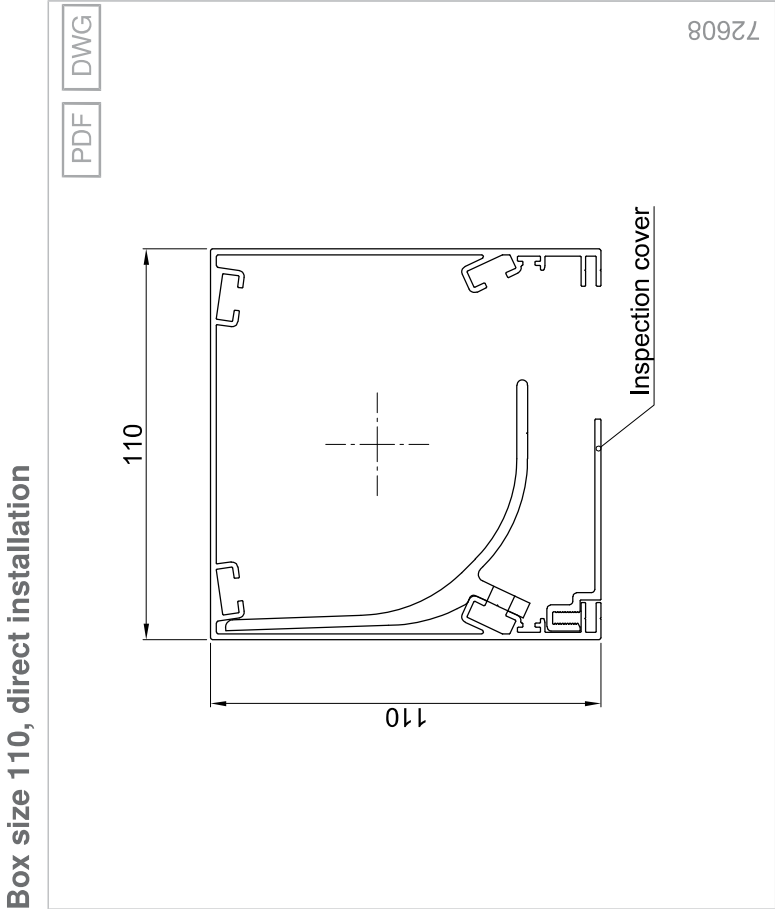
Number of fixing points

Guide rail length	Number
1000 mm	2
1001 - 1700 mm	3
1701 - 2400 mm	4
2401 - 3000 mm	5

The number of drilled holes is specified for WAREMA fixing materials. For customer-specific fixing materials, the size, distance and material to be fixed must be checked by the customer.

Box dimensions

Box size	Box shapes	Height H	Depth D
110	Rectangular	110 mm	110 mm



Viewing height of the end rail GranTex

Minimum viewing height from lower edge of box

Box size	End rail, rectangular
110	25 mm
110 with high inspection cover	0 mm

Guide rail selection

Guide rail selection according to the installation situation

Installation situation	Drilled hole 1 (reveal)
Right-rolling blind, deep guide rail, with direct screw connection	FS T-26x110-G

Reveal installation drilled hole 1, not watertight against driving rain.

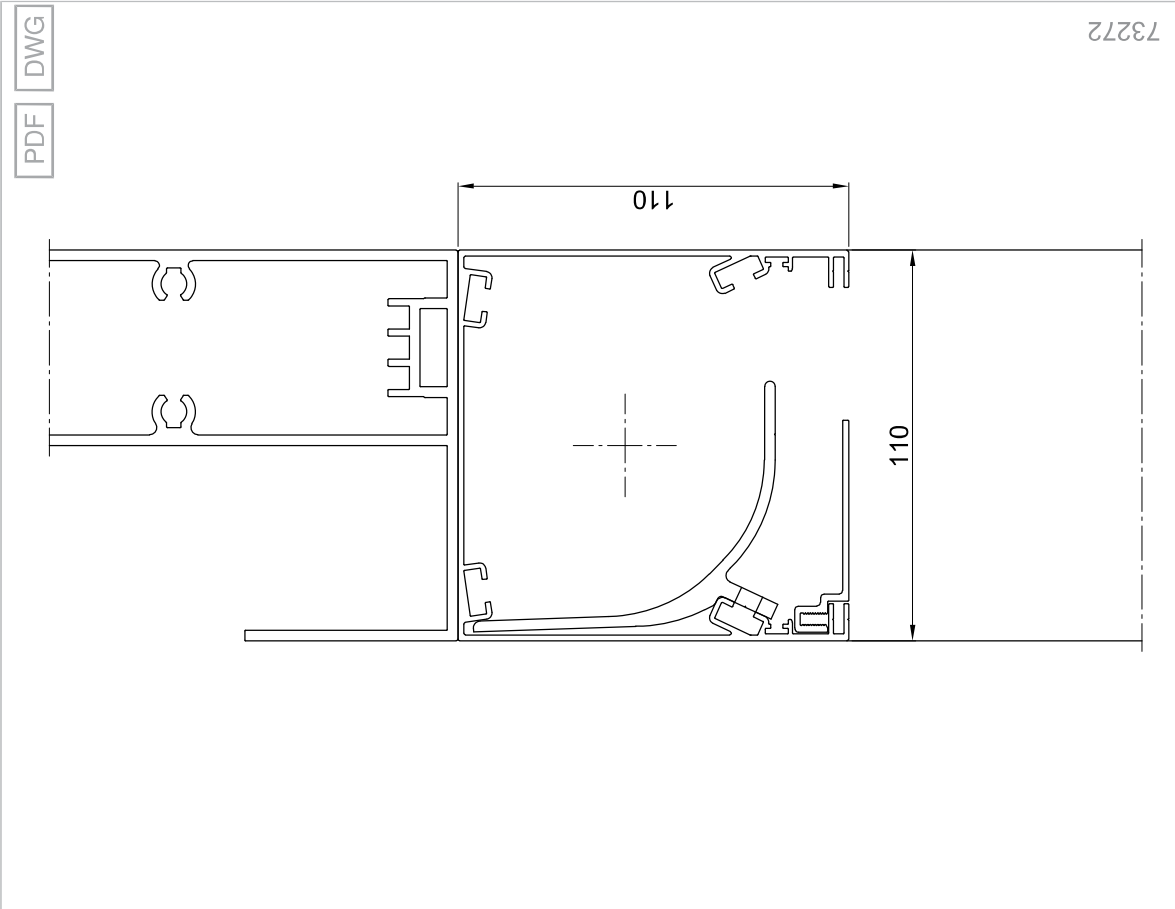
The dimensions of the deep guide rail are identical to those of the pole and ensure a clean appearance.

Legend:

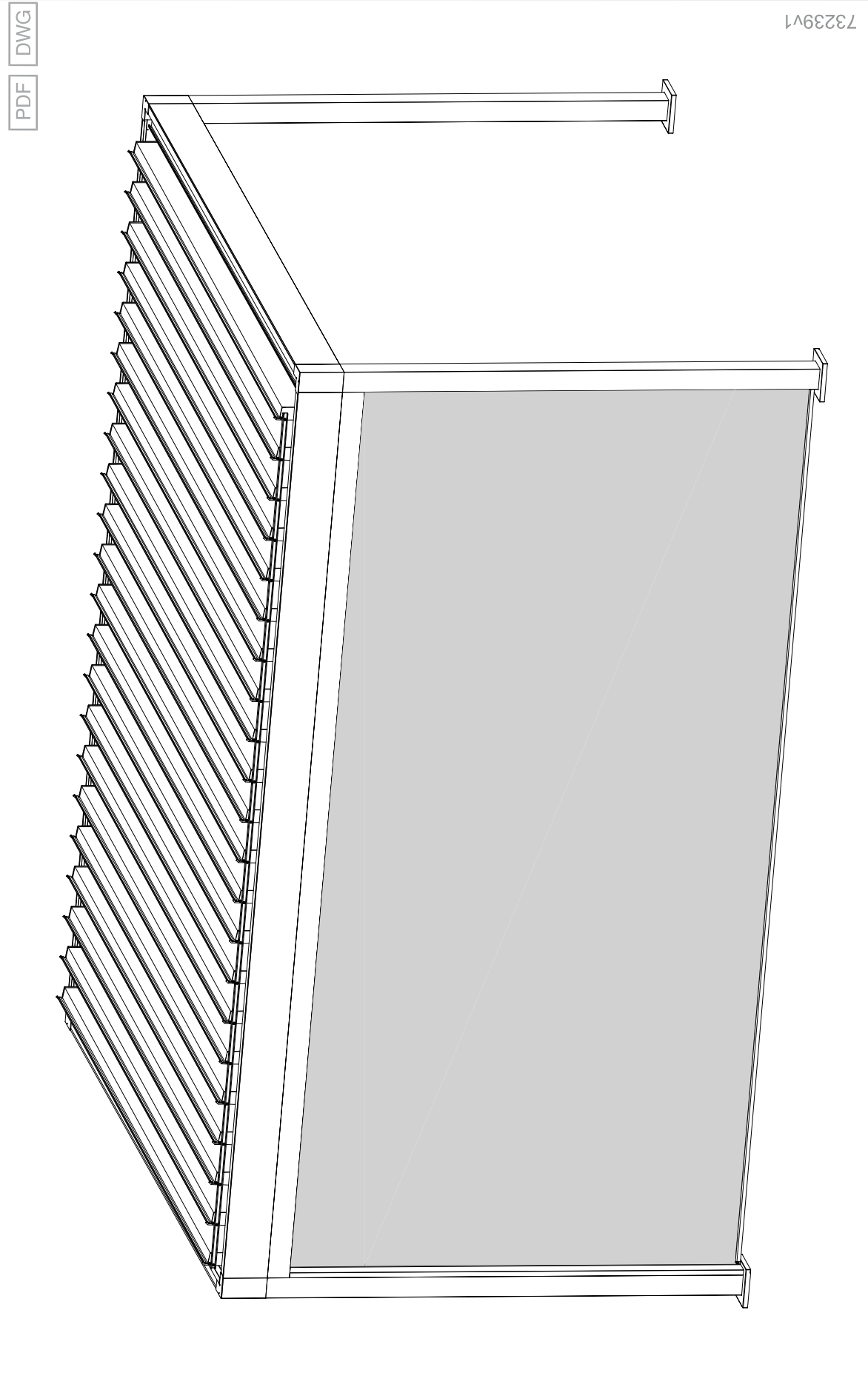
- FS = guide rail
- T = deep guide rail
- G = closed
- R = right-rolling blind

Details

Box support through screw connection - L50



GranTex with easyZIP guidance - L50



Additional product information

Cable exit

Standard cable exit: Rear, side or top

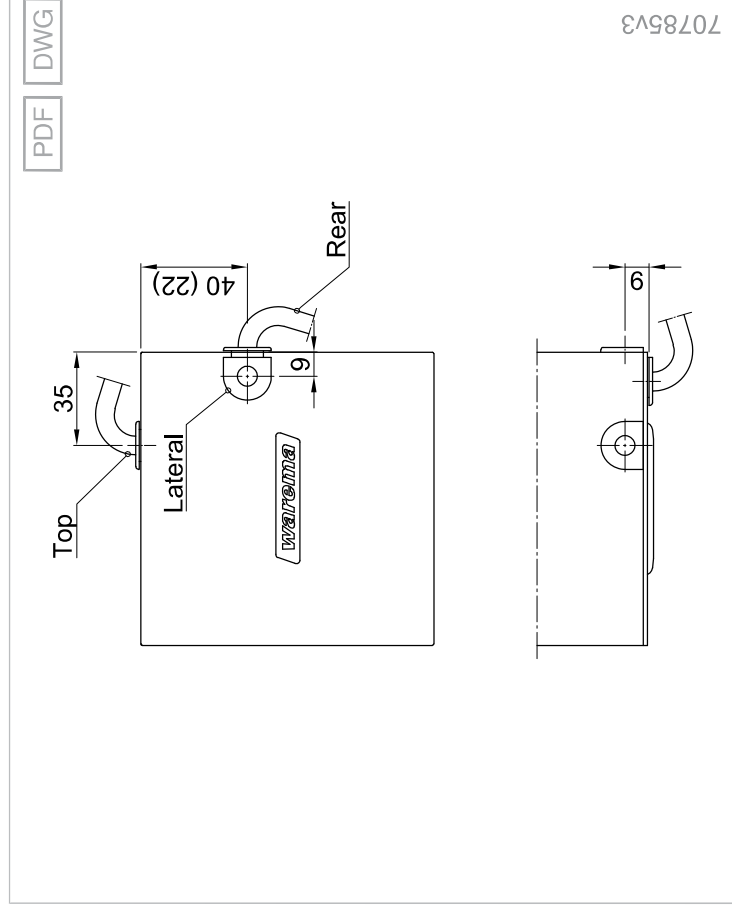
Cable exit sealing: With cable grommet

Motor line:

Motor, incl. 0.5 m motor line with plug-in connector (approx. 0.2 m from box end)

If GranTex with easyZIP guidance are installed at the front, the cable exit is provided from the drainage gutter. The cable is laid on the side where the mains connection to the house wall is located (connection side).

Cable exit for rectangular box shape



Note: the value in parentheses "22" applies exclusively to box size 90 in conjunction with a lateral cable exit, provided that this box size can be supplied in accordance with the product description.

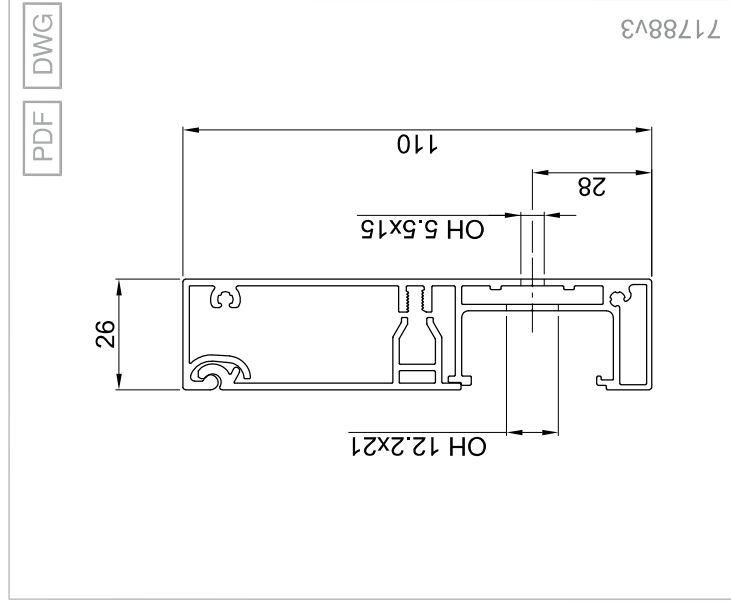
Components

Guide rail T-26x110-G

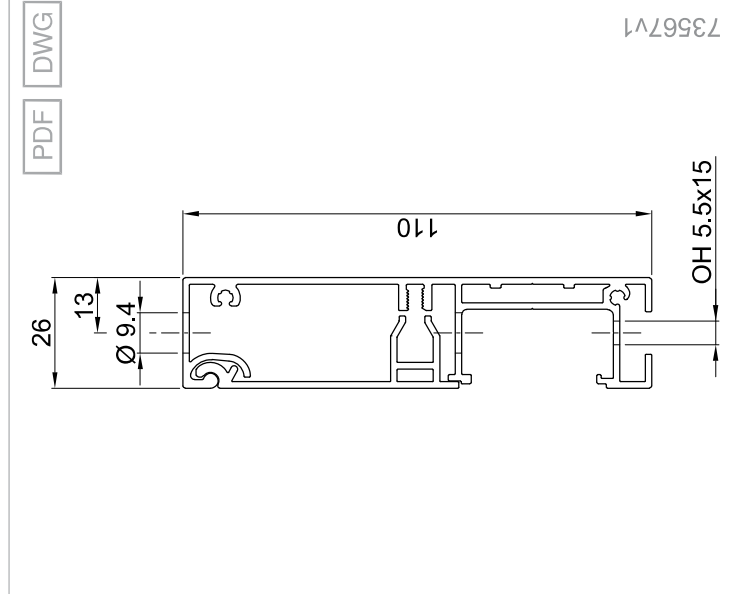
Material	Aluminium, extruded		
Surface	Powder-coated		
Optional surface	Anodised		
Width	26 mm		
Depth	110 mm		

- Depending on the installation situation, the depth of the guide rails varies from 110 mm to 130 mm (see table under additional product information).
- Plug-in connector accommodation: The accommodation of the plug-in connector within the guide rail is only possible with a left-rolling blind

Guide rail T-26x110-G



Guide rail T-26x110





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Conservatory awnings Climara, under glass

Conservatory awnings Climara W10

Seamless

No light gap with secudrive® technology: The fabric is attached to a spring steel strip and runs in a rail. This ensures there are no light gaps on the sides.

Slender

Light and airy appearance: Thanks to the flat and compact design, the awning has a particularly slender appearance.

Expanded

Optimal light with privacy: Optional lowerable valance roller blind protects you against low sun and improves your visual privacy.

Can be used for:

- Lamaxa L50 View

Construction limit values

Maximum order width	6500 mm
Maximum order length	6000 mm
Maximum order area	30 m ²

Order here

myWAREMA

🔗 *Art.-Nr. 2036169*

Order form

🔗 *<https://docs.warema.com/fii/878105.pdf>*

WAREMA tools

🔗 *Collection Assistant*

🔗 *Sun Shading Planner*

➕ *see "Navigating the document", Page 5*

Components

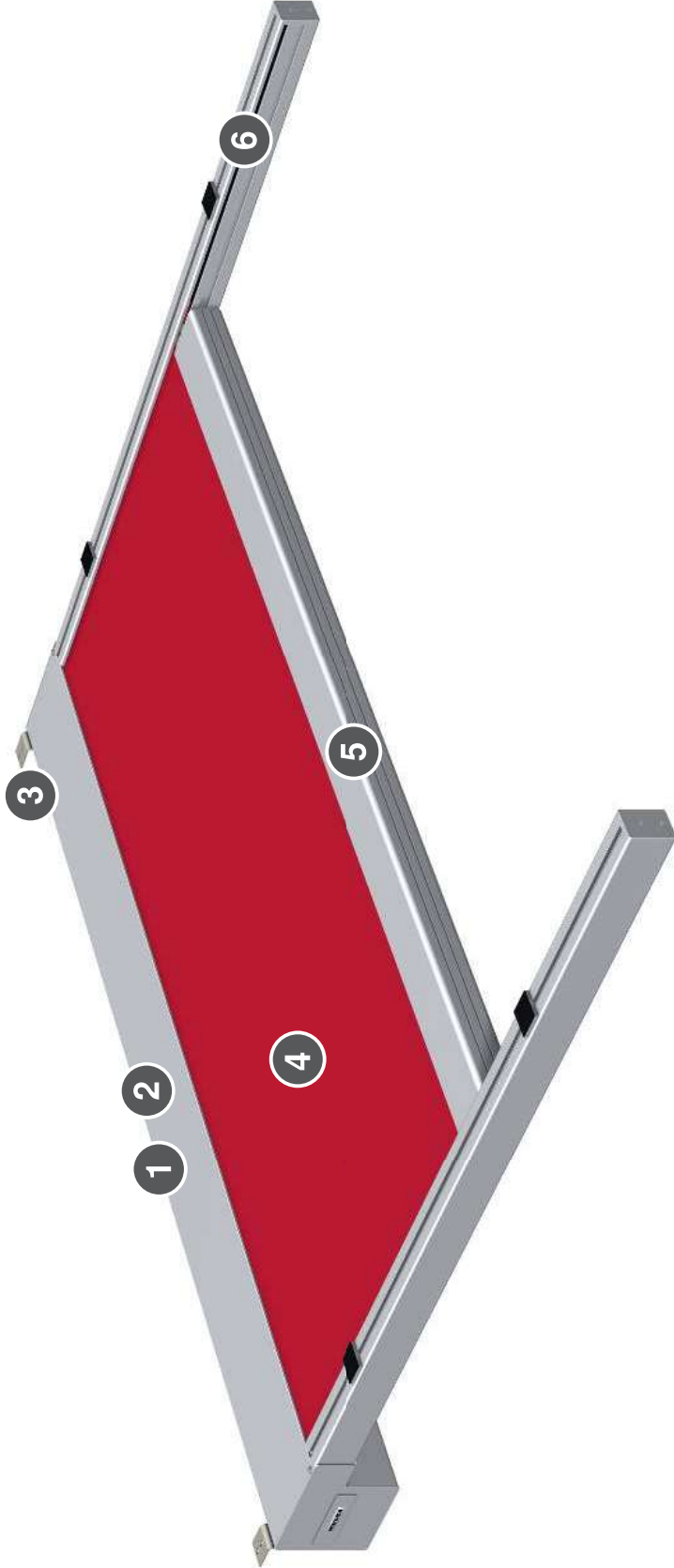
Climara W10 conservatory awning with round cover panel



- 1 Cover panel
- 2 Shaft
- 3 Bracket

- 4 Awning fabric
- 5 Front rail
- 6 Guide rail

Climara W10 conservatory awning with rectangular cover panel



- 1 Cover panel
- 2 Shaft
- 3 Bracket

- 4 Awning fabric
- 5 Front rail
- 6 Guide rail

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Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order length	Maximum order length	Maximum order area	Minimum inclination angle	Maximum inclination angle
Fabric qualities							
Acrylic fabric / Starlight Blue	650 mm	6500 mm	950 mm	6000 mm	30 m²	0 °	45 °
All Weather acrylic / Twilight Pearl	650 mm	6500 mm	950 mm	6000 mm	28 m²	0 °	45 °
Soltis 92 / Screen fabric 4 % / 5 %	650 mm	3500 mm	950 mm	4000 mm	14 m²	0 °	45 °
Soltis B92	900 mm	2500 mm	1200 mm	4000 mm	10 m²	0 °	0 °
Fabric qualities + Supplementary accessories							
Acrylic fabric / Starlight Blue + Valance roller blind	650 mm	5000 mm	950 mm	6000 mm	30 m²	0 °	45 °
Acrylic fabric / Starlight Blue + VUNO model	650 mm	6500 mm	950 mm	6000 mm	24 m²	0 °	45 °
All Weather acrylic / Twilight Pearl + Valance roller blind	650 mm	5000 mm	950 mm	6000 mm	28 m²	0 °	45 °
All Weather acrylic / Twilight Pearl + VUNO model	650 mm	6500 mm	950 mm	6000 mm	24 m²	0 °	45 °
Soltis 92 / Screen fabric 4 % / 5 % + Valance roller blind	650 mm	3500 mm	950 mm	4000 mm	14 m²	0 °	45 °
Soltis 92 / Screen fabric 4 % / 5 % + VUNO model	650 mm	3500 mm	950 mm	4000 mm	14 m²	0 °	45 °

Minimum order width:

- From an order length of 5001 mm, a minimum order width of 812 mm is required.
- For versions with SDO switch, a minimum order width of 900 mm is required.

Series-mounted units:

- Generally, only individual units are possible, i.e. no unit coupling!
- Each awning section requires two single guide rails.
- Two guide rails can be mounted on one bracket.
- In the case of a series-mounted unit, an expansion joint of 20 mm is required after 13000 mm!

VUNO: Valance roller blinds are not possible for a "from bottom to top" direction of movement.



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Conservatory awnings Climara, on glass

Conservatory awnings Climara W20

Durable

Wind-stable construction: The fabric is attached to a spring steel strip that runs tautly in the guide rail - a reinforcement profile additionally tensions the fabric.

Seamless

No light gap with secudrive® technology: The fabric runs taut in the rail so that no light enters at the sides.

Automated

More convenience with integrated sensors: A sensor measures wind, brightness and precipitation so that the awning retracts or extends depending on the weather, all by itself.

Can be used for:

- Lamaxa L50 View

Construction limit values

Maximum order width	6500 mm
Maximum order length	6000 mm
Maximum order area	30 m ²

Order here

myWAREMA

🔗 *Art.-Nr. 2036171*

Order form

🔗 *<https://docs.warema.com/fii/2008884.pdf>*

WAREMA tools

🔗 *Collection Assistant*

🔗 *Sun Shading Planner*

➕ see "Navigating the document", Page 5

Components

Climara W20 conservatory awning with round cover panel



- 1 Cover panel
- 2 Shaft
- 3 Awning fabric

- 4 Reinforcement profile
- 5 Front rail
- 6 Guide rail

Climara W20 conservatory awning with rectangular cover panel



- 1 Cover panel
- 2 Shaft
- 3 Awning fabric

- 4 Reinforcement profile
- 5 Front rail
- 6 Guide rail



Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

Fabric roofs
Lamaxa

Supplementary
accessories

Drive
variants

Standards

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order length	Maximum order length	Maximum order area	Minimum inclination angle	Maximum inclination angle
Fabric qualities							
Acrylic fabric / Starlight Blue	650 mm	6500 mm	950 mm	6000 mm	30 m ²	0 °	45 °
All Weather acrylic / Twilight Pearl	650 mm	6500 mm	950 mm	6000 mm	28 m ²	0 °	45 °
Soltis 92 / Screen fabric 4 % / 5 %	650 mm	3500 mm	950 mm	4000 mm	14 m ²	0 °	45 °
Fabric qualities + Supplementary accessories							
Acrylic fabric / Starlight Blue + Drainage cutouts	650 mm	6500 mm	950 mm	6000 mm	30 m ²	3 °	16 °
Acrylic fabric / Starlight Blue + VUNO model	650 mm	6500 mm	950 mm	6000 mm	24 m ²	0 °	45 °
All Weather acrylic / Twilight Pearl + Drainage cutouts	650 mm	6500 mm	950 mm	6000 mm	28 m ²	3 °	16 °
All Weather acrylic / Twilight Pearl + VUNO model	650 mm	6500 mm	950 mm	6000 mm	24 m ²	0 °	45 °
Soltis 92 / Screen fabric 4 % / 5 % + VUNO model	650 mm	3500 mm	950 mm	4000 mm	14 m ²	0 °	45 °

Minimum order width:

- From an order length of 5001 mm, a minimum order width of 812 mm is required.
- For versions with SDO switch, a minimum order width of 900 mm is required.

Series-mounted units:

- Generally, only individual units are possible, i.e. no unit coupling!
- Each awning section requires two single guide rails.
- Two guide rails can be mounted on one bracket.
- In the case of a series-mounted unit, an expansion joint of 20 mm is required after 13000 mm!

Reinforcement profile, round:

- For order lengths of 2501 mm and greater, a Ø 40 mm reinforcement profile is used.
- For order widths from 3501 mm, a Ø 60 mm profile is used.

Reinforcement profile, rectangular:

- From order lengths of 2501 mm, a rectangular reinforcement profile (50x50 mm) is used.



Planning

Slat roofs
Lamaxes

Glass roofs
Lamaxes

Fabric roofs
Lamaxes

Supplementary
accessories

Drive
variants

Standards



Supplementary accessories

Sash frames

Multifunctional

The sash frames not only provide protection from the sun, but also from unwanted glances and the effects of the weather.

Enhancing

The sash frames look particularly elegant and stylishly enhance the slat roof.

Comfortable

Depending on your personal taste: Whether glass, wood or aluminium, the slat roof can be made as individual as required.



Can be used for:

- Lamaxa L70
- Lamaxa L60
- Lamaxa L50



Product characteristics

- Depending on design, the sash frames ensure an optimum sun shading system, and wind and weather protection.
- They create a special ambiance on the slat roof.

Glass sliding system SL20e - L50/L60/L70

Components

Running rail

Top running rail, 2-track - SL20e

Material	Aluminium
Surface	Powder-coated
Width	50 mm
Height	48.5 mm

Top running rail, 3-track - SL20e

Material	Aluminium
Surface	Powder-coated
Width	74 mm
Height	48.5 mm

Bottom running rail, 2-track - SL20e

Material	Aluminium
Surface	Anodised natural colour
Width	50 mm
Height	41 mm

Bottom running rail, 3-track - SL20e

Material	Aluminium
Surface	Anodised natural colour
Width	74 mm
Height	41 mm

Running rail, optional

Bottom running rail, flat, 2-track - SL20e

Material	Aluminium
Surface	Anodised natural colour
Material, notes	with drainage
Width	50 mm
Height	22.5 mm

Bottom running rail, flat, 3-track - SL20e

Material	Aluminium
Surface	Anodised natural colour
Material, notes	with drainage
Width	74 mm
Height	22.5 mm

Filling material

Glazing ESG 10 mm

At an installation height of 4 m and above, a hot-soak-test approved single pane safety glass should be used (on request at a surcharge).

Interlock, optional

Stop bolt

The stop bolt in the lower wing profile ensures that the wings cannot be moved when extended. One stop bolt is used for each wing joint.

Drive variants

Manual operation

- Manual operation - sliding glass elements SL20e

Handle

- Handle shell

➕ see "Drive variants", Page 201

Colours

- WAREMA Colour World

➕ see "Colours and finishes", Page 10

Product characteristics

Attachment:

- Installation between the poles of the slat roof
- One unit per field is possible
- The poles must be designed with floor recess, since the base plates (incl. fixing material) otherwise protrude into the installation space of the SL20e.
- The lower running rail must be installed horizontally, any slopes in the substructure must be compensated for on-site.

Notes

Notes concerning the order

We recommend ordering the SL20e glass sliding system only after the slat roof is installed. Measurement inaccuracies may mean that the glass sliding systems do not fit.

Notes on product configuration

A suitable substructure is required for fixing the bottom running rail.

Glazing including handle must not be larger than 76 mm. Here it must be noted that a load transfer via the crossbeam is not possible.

Notes on operation

In case of snow and wind speeds of > 13 m/s, the glass sliding system SL20e has to be moved into the lateral position.

Power socket in combination with sash frame: A power socket cannot be installed on the same side of the pole as the sash frame.

Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

Fabric roofs
Lamaxa

Supplementary
accessories

Drive
Variants

Standards

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order height	Maximum order height
Components				
3-track, three-wing	2000 mm	3200 mm	1300 mm	2600 mm
2-track, four-wing	3201 mm	4200 mm	1300 mm	2600 mm
3-track, six-wing	4201 mm	6000 mm	1300 mm	2600 mm

Order width:

- The width of the SL20e corresponds to the clearance dimension of the Lamaxa.
- Width SL20e L60/L70 = order length/width Lamaxa - 2x169 mm.
- Width SL20e L50 = order length/width Lamaxa - 2x110 mm.
- The width of the individual wings is defined based on the order width for SL20e and the number of wings.
- When closed, the glass wings overlap each other by 40 mm.

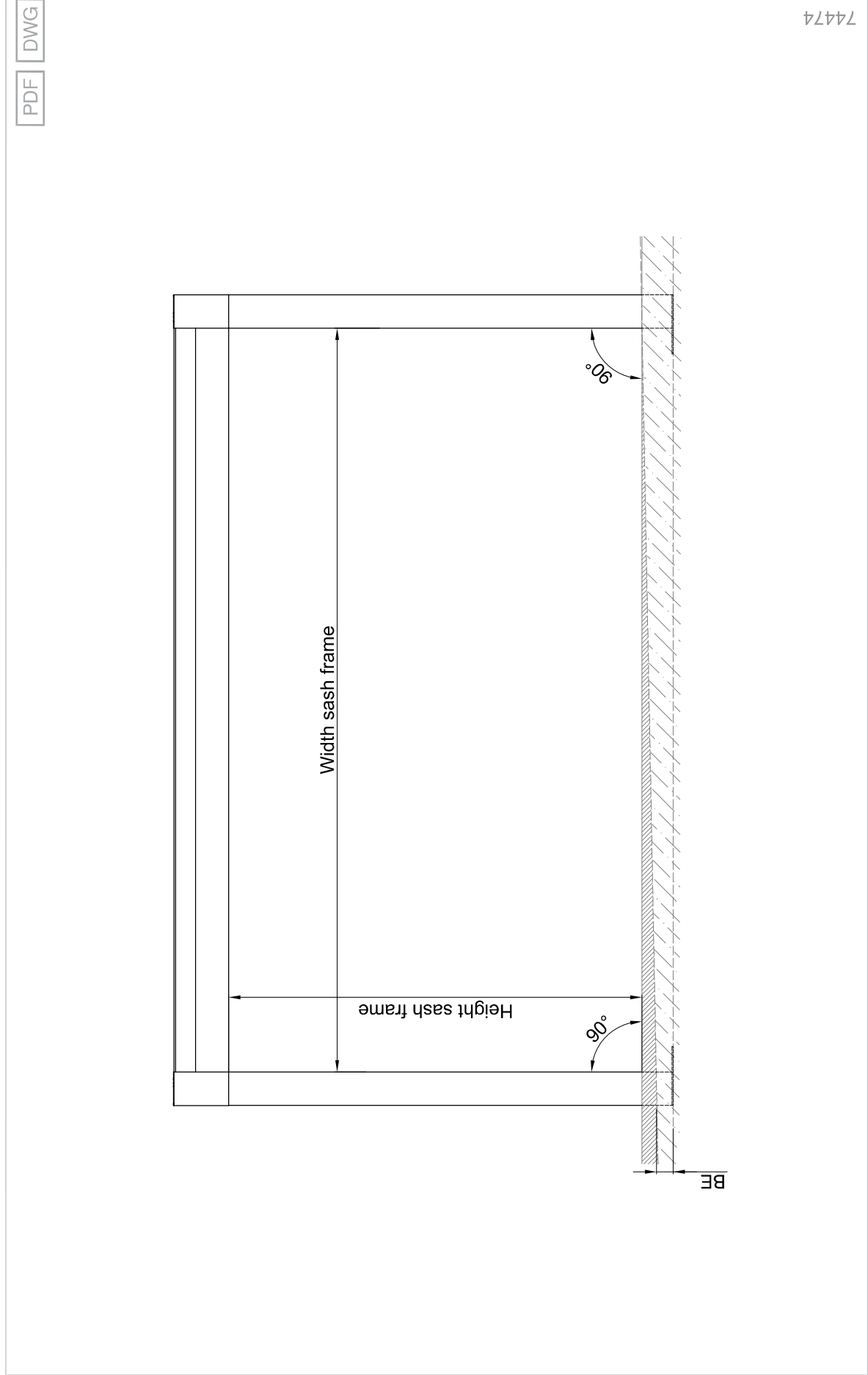
Order height:

The order height of SL20e corresponds to the headroom of the lower Lamaxa pole.

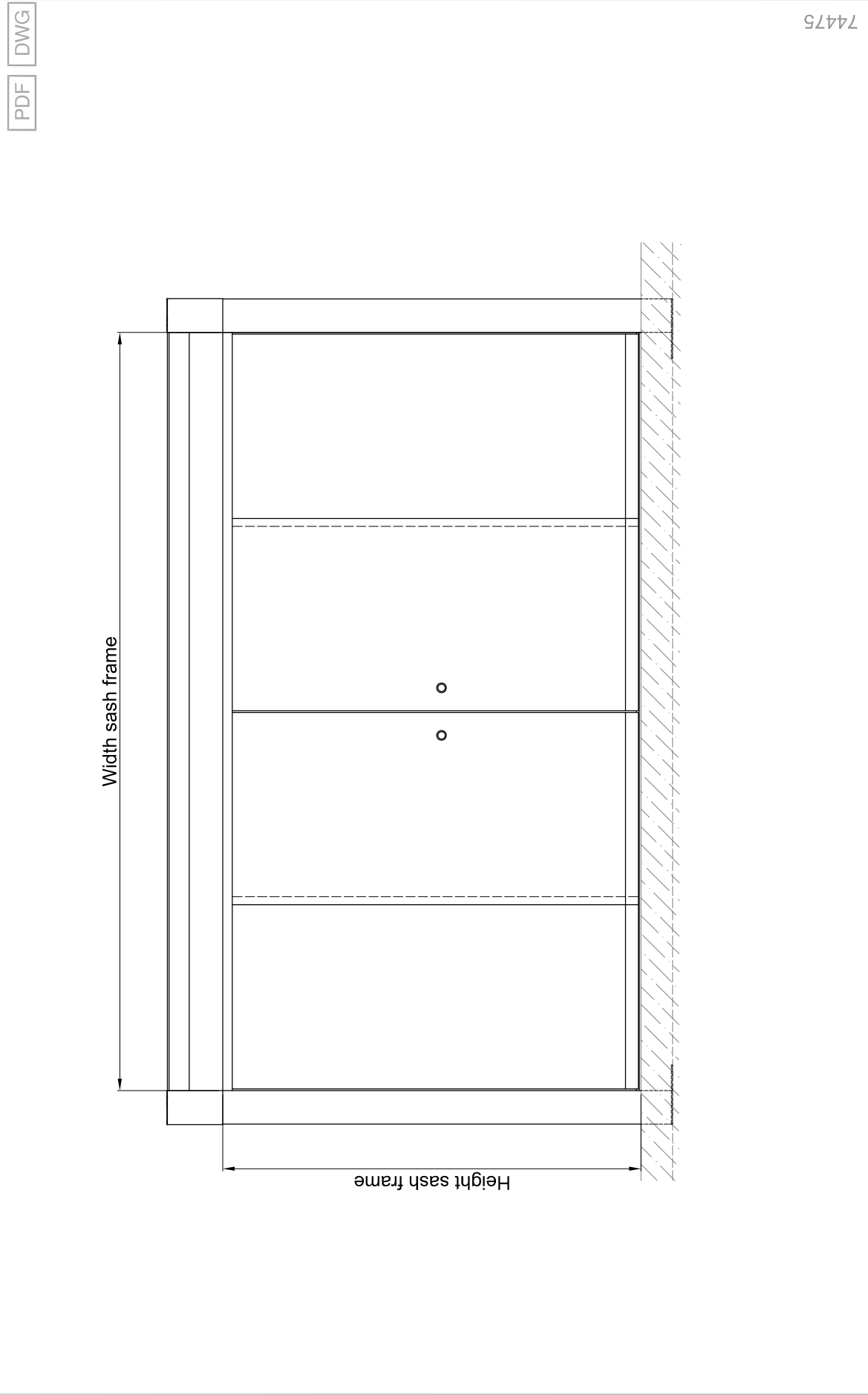
Dimension determination

Configuration view:

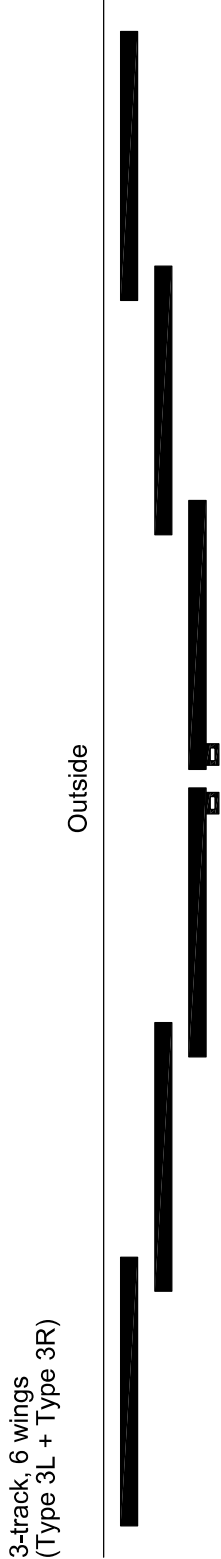
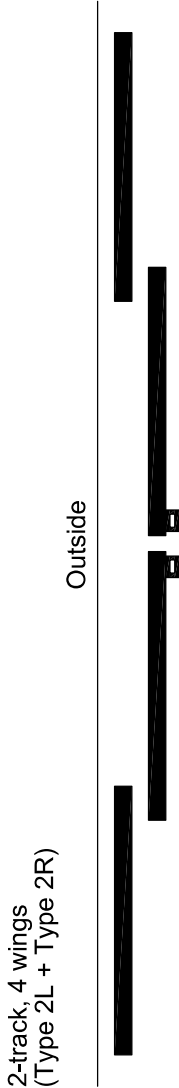
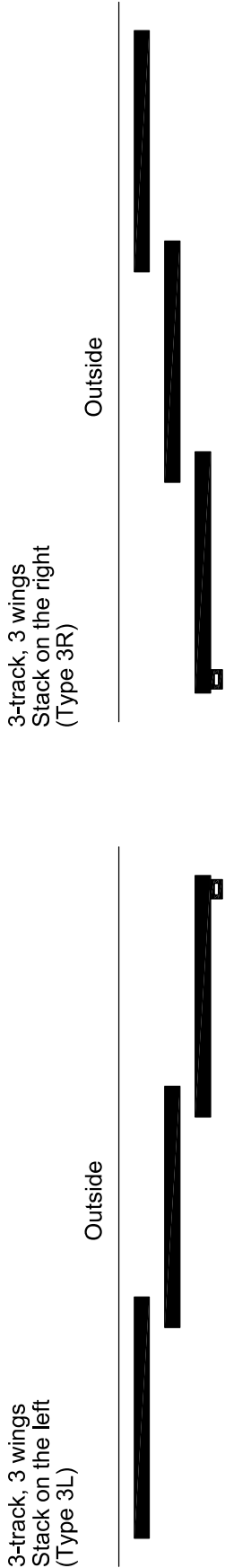
L60/L70, sash frames with slope



The lower running rail must be installed horizontally, any slopes in the substructure must be compensated for on-site. The poles must be designed with ground extension (BE), since the base plates (incl. fixing material) otherwise protrude into the installation space of the sash frame.



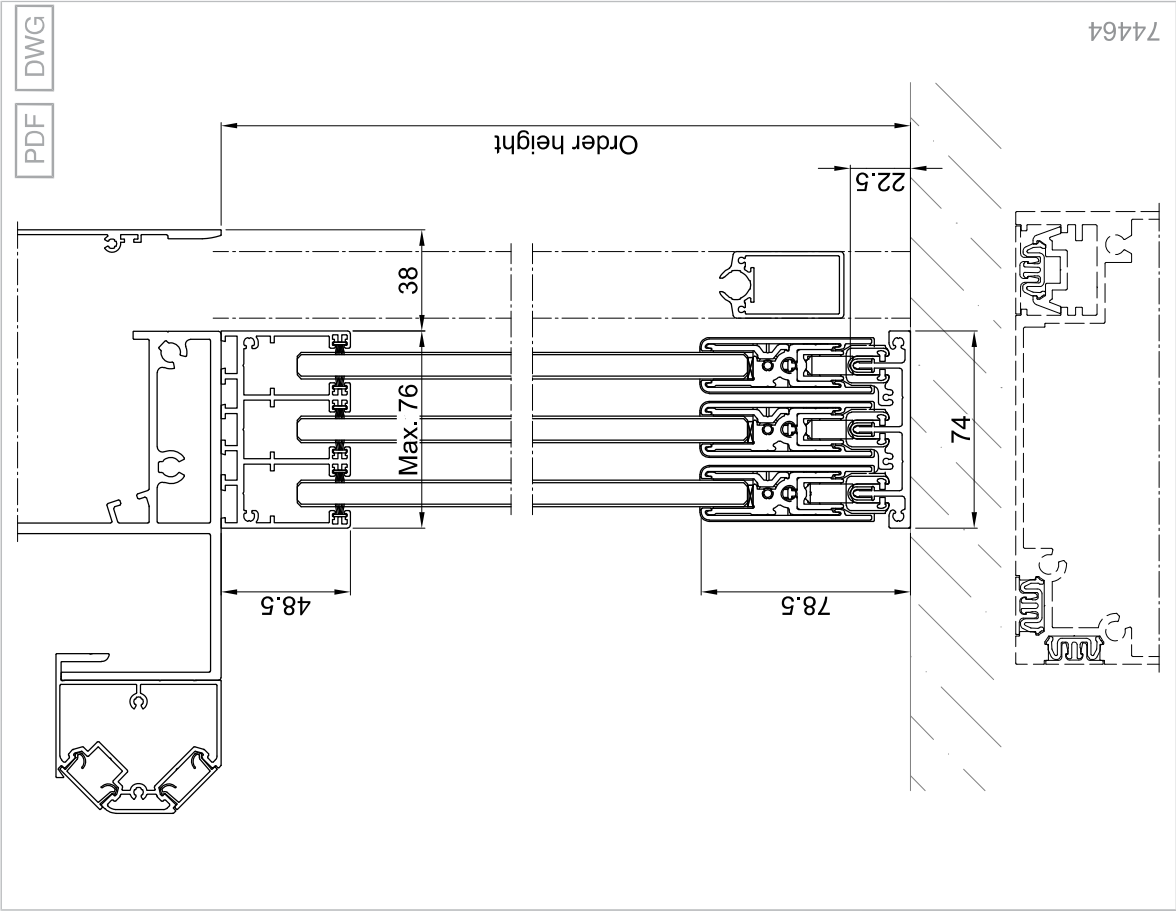
When closed, the glass wings overlap each other by 40 mm.



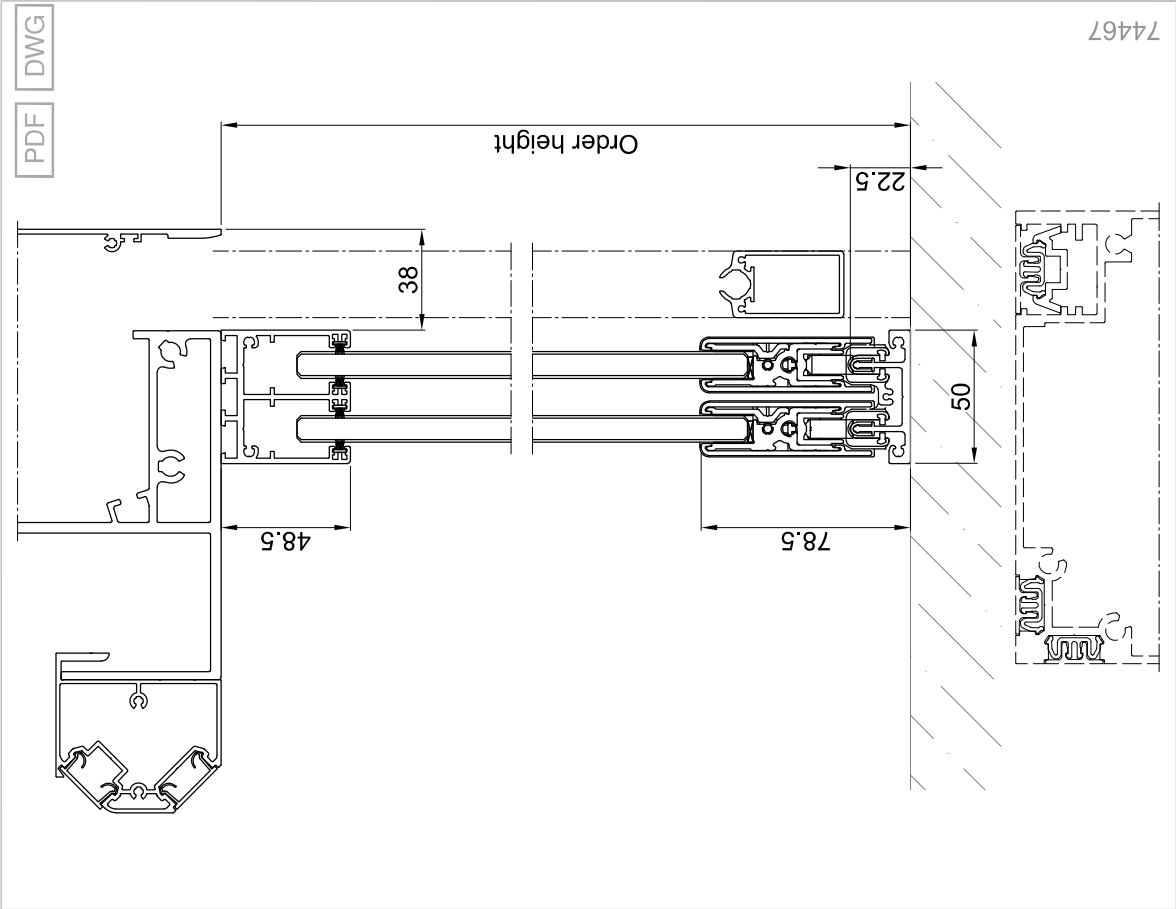
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Details

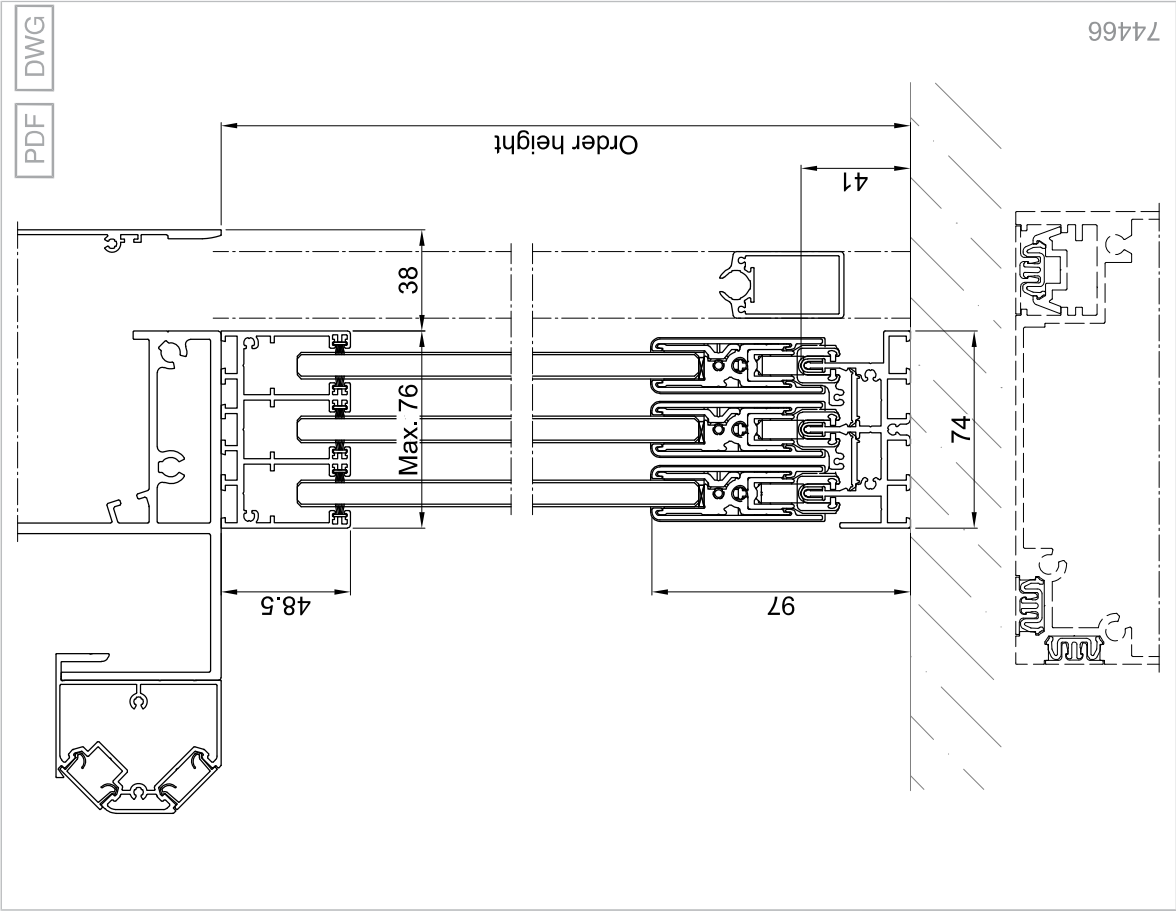
L60/L70, SL20e, 3-track, flat running rail



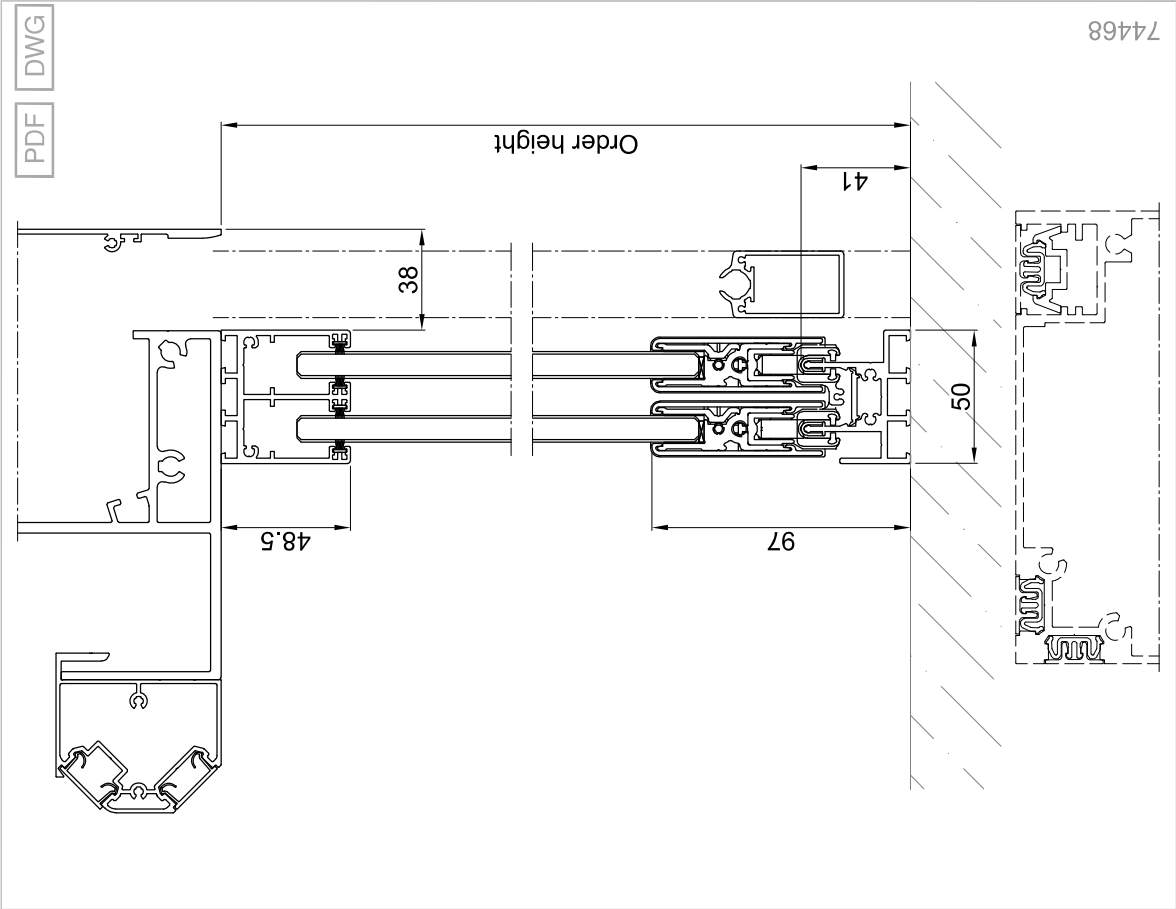
L60/L70, SL20e, 2-track, flat running rail



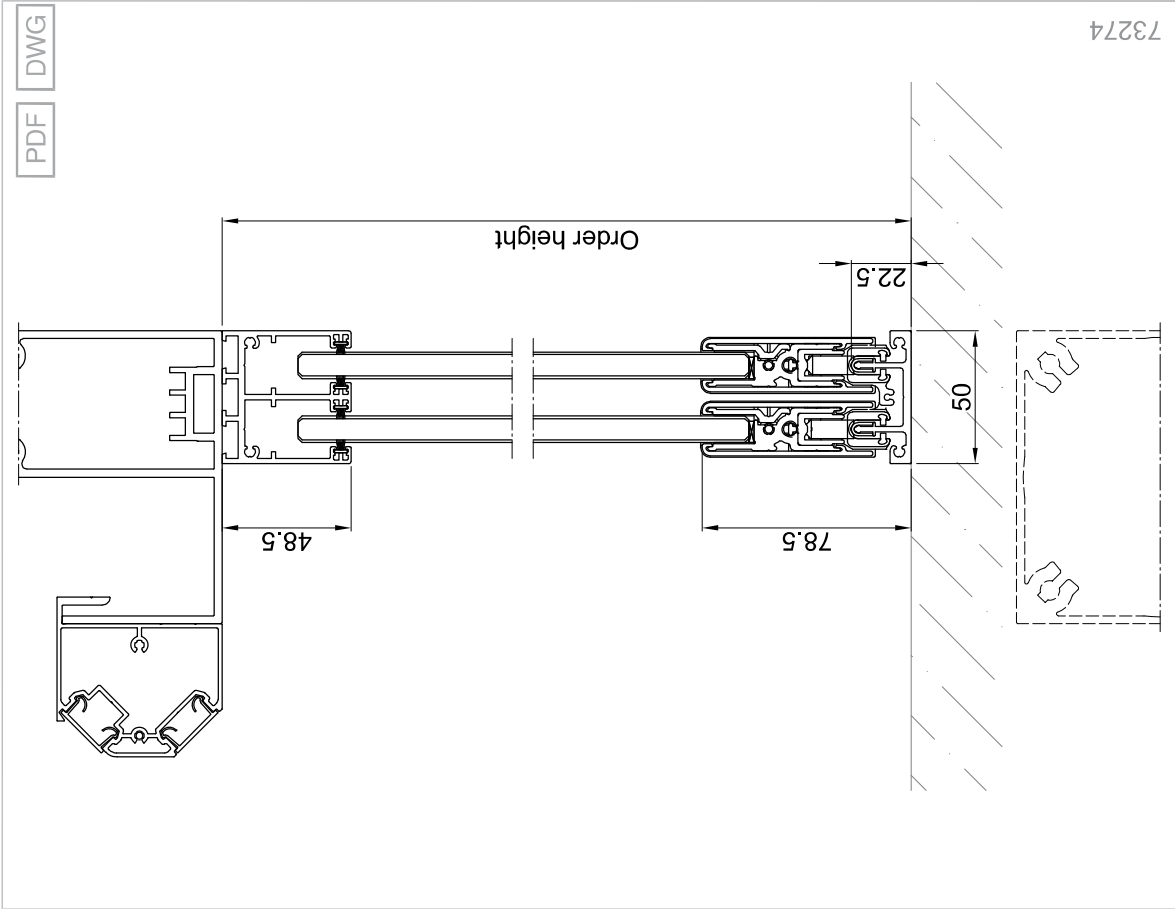
L60/L70, SL20e, 3-track, running rail



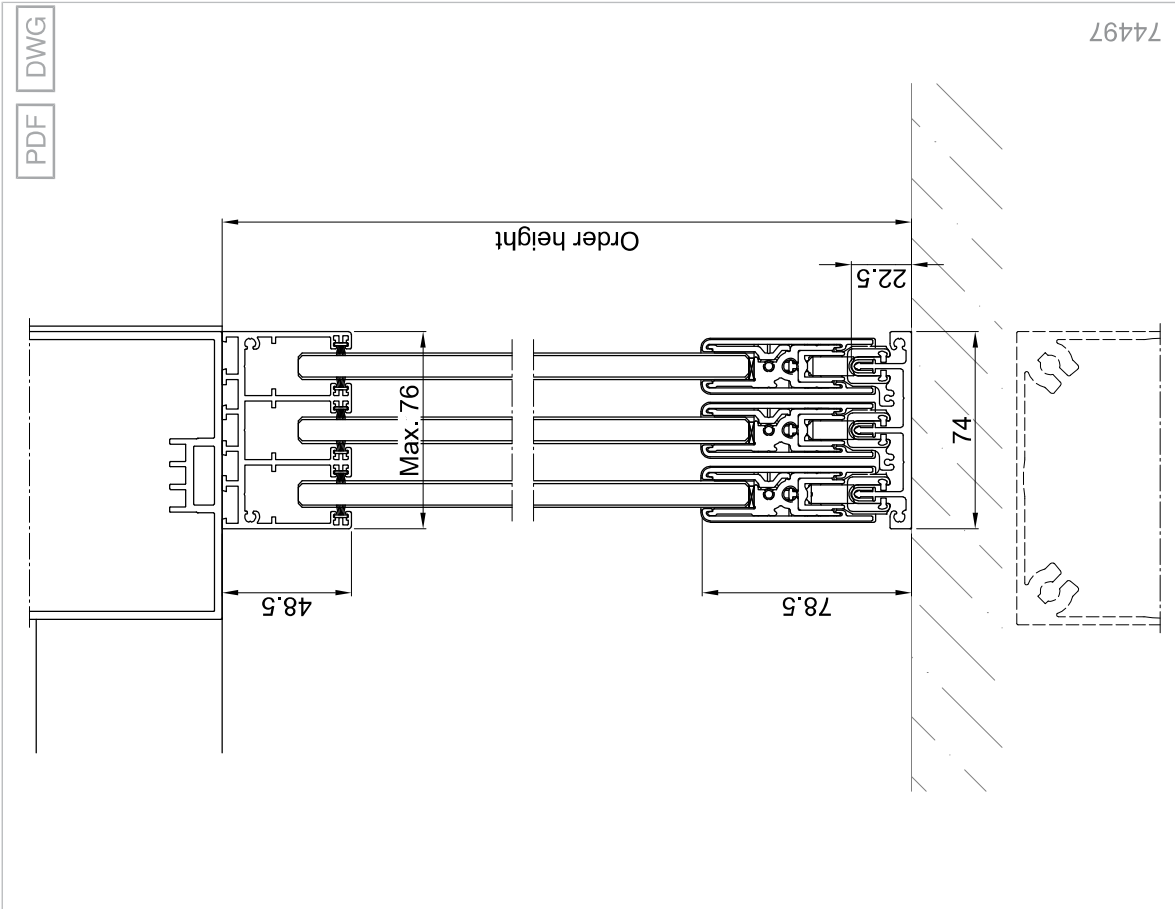
L60/L70, SL20e, 2-track, running rail



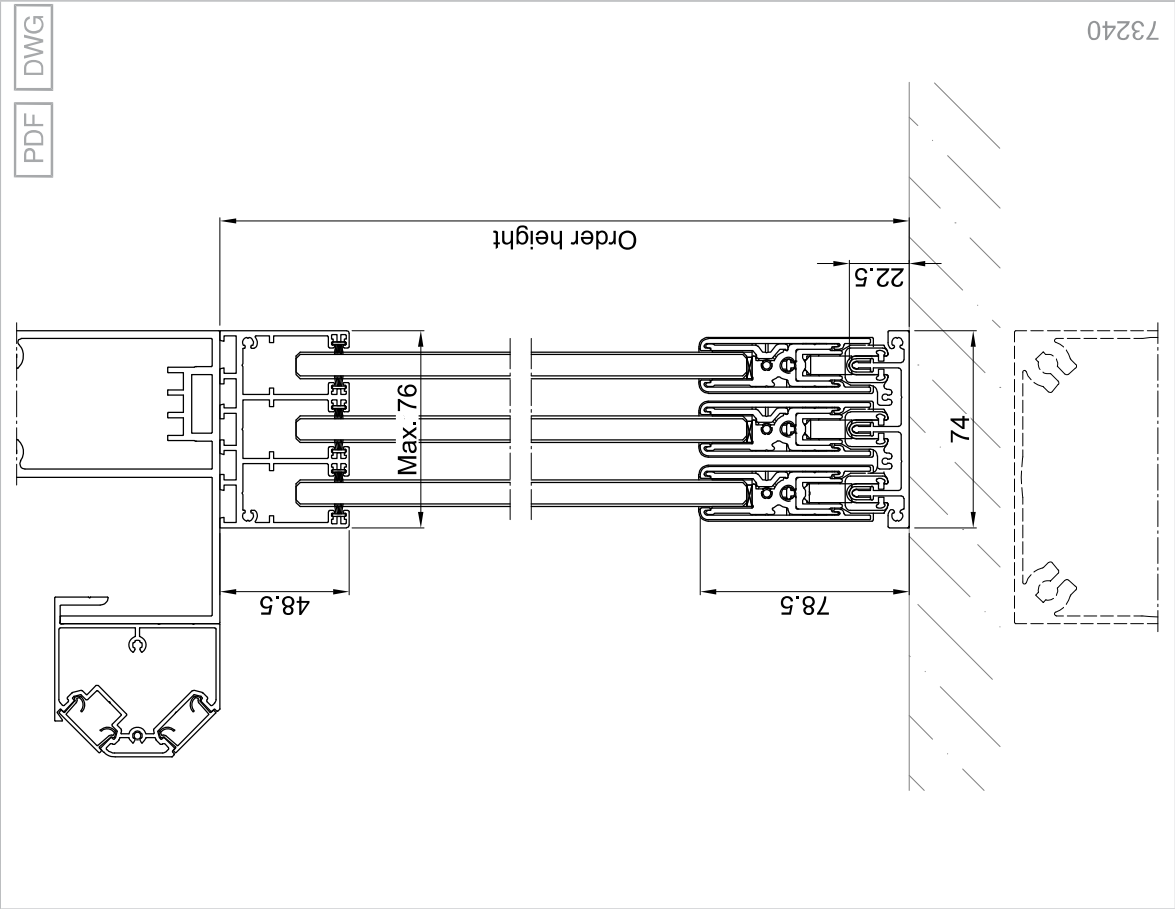
Flat running rail, 2-track, SL20e - L50



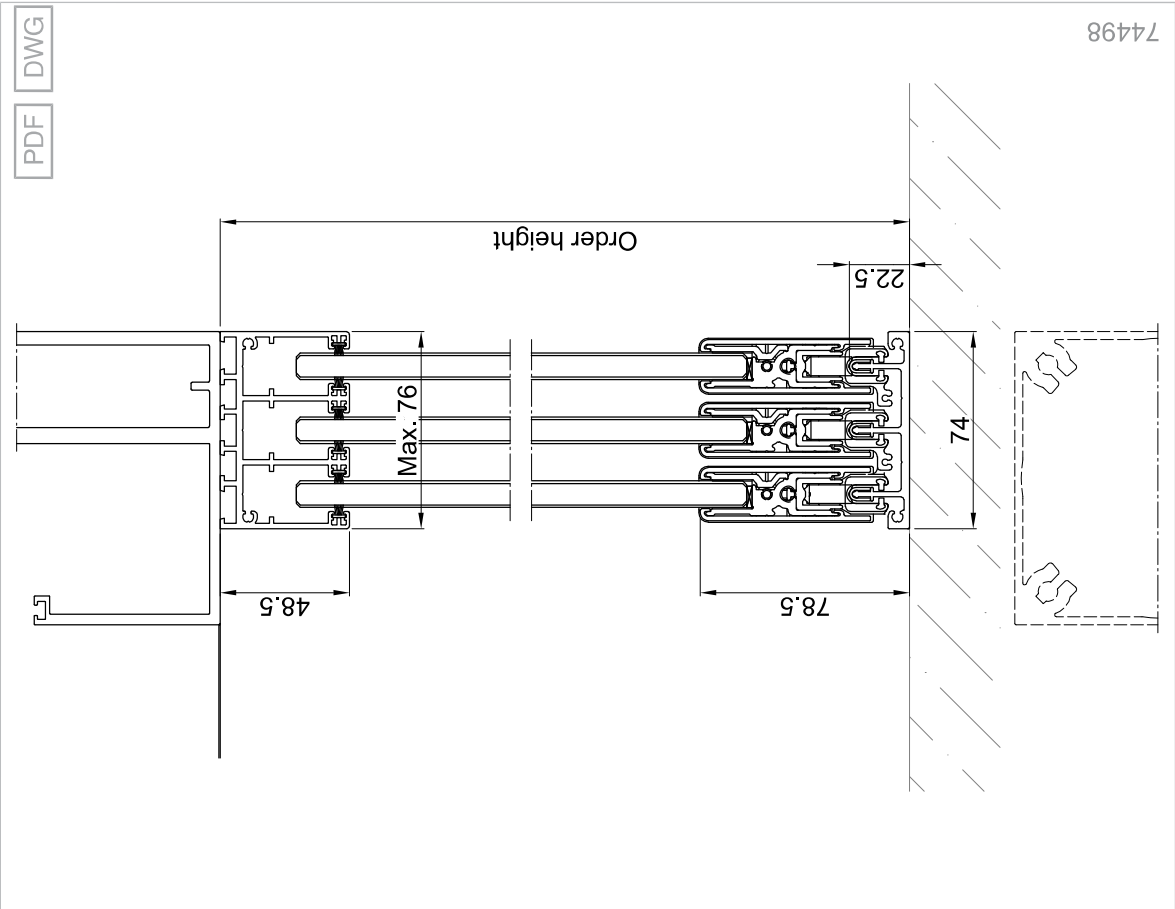
Flat running rail, 3-track, SL20e - L50 View edge rafter



Flat running rail, 3-track, SL20e - L50



Flat running rail, 3-track, SL20e - L50 View crossbeam





Sliding shutters L50/L60/L70

Components

Running rail

Upper running rail for sliding shutter

Material	Aluminium
Surface	Anodised
Width	30 mm
Height	37 mm

Upper running rail facing for sliding shutter

Material	Aluminium
Surface	Coated
Profile	Angle-shaped profile
Width	20 mm
Height	80 mm

Base support, 1-track

Material	Aluminium
Surface	Coated
Width	70 mm
Height	10 mm

Base support, 2-track

Material	Aluminium
Surface	Coated
Width	110 mm
Height	10 mm

Base support, 3-track

Material	Aluminium
Surface	Coated
Width	150 mm
Height	10 mm

Lower running rail for aluminium sliding shutter

Material	Aluminium
Surface	Anodised
Profile	Angle-shaped profile
Width	40 mm
Height	30 mm

Filling material

Aluminium slats

Material	Aluminium
Surface	Powder-coated
Material, notes	Weight: 11.7 kg/m²
Width	60 mm
Height	15 mm

Wooden slats

Material	Wood
Material, notes	Weight: 13.8 kg/m² - The wood used is larch. - Untreated larch does not require treatment and is suitable for natural silver grey colouring. - The sanded wood surface is prone to natural wear. - Wood is a natural product. The colours and surface structures of one type of wood can naturally differ in each cut. - The wood may contain small firmly inter-grown branches (5 - 8 mm). - Warping, cracking and resin leakage may occur with a natural product and do not impair its function.

Width	60 mm
Height	15 mm

Frame

Frame

Material	Aluminium, extruded
Surface	Powder-coated
Height	40 mm
Depth	32 mm

Incl. drive, suspension bracket and rail buffer.

Colours

- WAREMA Colour World

+ see "Colours and finishes", Page 10

Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

Fabric roofs
Lamaxa

Supplementary
accessories

Drive
variants

Product characteristics

Attachment:

- Sliding shutter set (designed for the field size) or as individual sliding shutters.
- Installation between the poles of the slat roof.
- The poles must be designed with a floor recess, since the base plates (incl. fixing material) otherwise protrude into the installation space of the sliding shutters.
- The lower running rail must be installed horizontally, any slopes in the substructure must be compensated for on-site.
- Adapter plate for attaching several lower running rails (upon request).

Notes

Notes concerning the order

We recommend ordering sliding shutters only after the Lamaxa is installed. Measurement inaccuracies may mean that the sliding shutters do not fit.

Notes on product configuration

A suitable substructure is required for fixing the bottom running rail.

Notes on operation

In case of snow and wind speeds of > 13 m/s, the sliding shutters have to be moved into the lateral position (rail buffer).

Power socket in combination with sash frame: A power socket cannot be installed on the same side of the pole as the sash frame.

Construction limit values

Configuration variants	Minimum order width	Maximum order width	Minimum order height	Maximum order height
Components				
3-track, three-wing	2000 mm	3200 mm	1000 mm	2800 mm
2-track, four-wing	2300 mm	4300 mm	1000 mm	2800 mm
3-track, six-wing	4301 mm	5900 mm	1000 mm	2800 mm
Individual	2000 mm	5900 mm	1000 mm	2800 mm
Wing width	600 mm	1100 mm		

The sliding shutters are available to order both as a set (see rows 1 - 3 of the table) as well as individually (see rows 4 - 5 of the table).

Available models:

- **It is not possible to integrate easyZIP into 3-track product variants.**
- **The LED-lighting in the poles of the L60/L70 2- and 3-track models is impaired.**
- **Only 1- or 2-track sliding shutter models can be used on a Lamaxa L50.**

Order width:

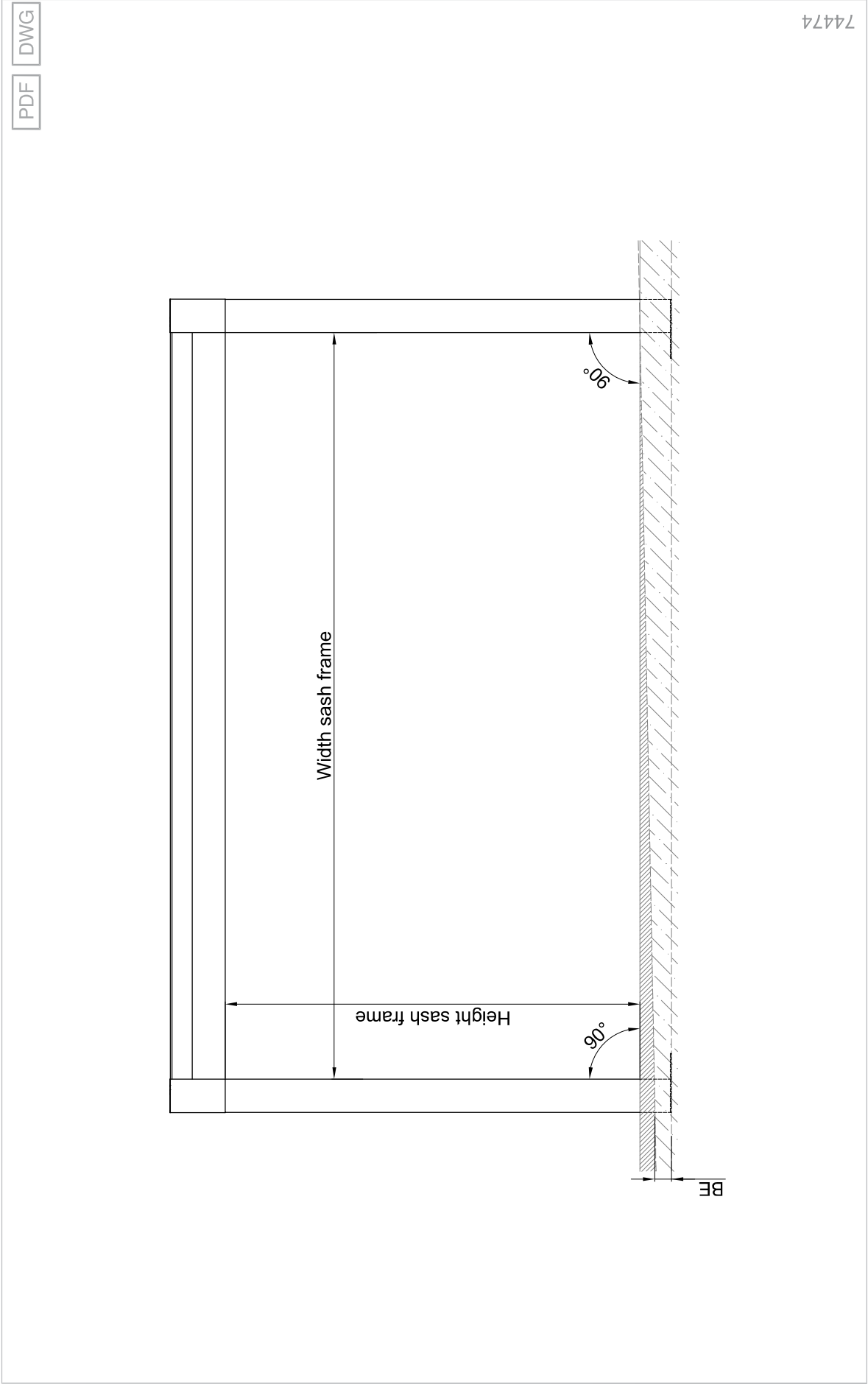
- The width of the sliding shutters corresponds to clearance dimension of the Lamaxa.
- Width of L60/L70 sliding shutters= order length/width of Lamaxa - 2x169 mm.
- Width of L50 sliding shutters= order length/width of Lamaxa - 2x110 mm.
- Sliding shutter set: the width of the individual wings (wing width) is defined based on the width of the sliding shutter and the number of wings. When closed, the wings overlap each other by 40 mm.
- Individual sliding shutters: the width of each individual wing (wing width) can be specified.
- The facing and upper/lower running rails correspond to the width of the sliding shutters.

Order height:

- The order height of the sliding shutters corresponds to the headroom of the lower Lamaxa pole.

Dimension determination

L60/L70, sash frames with slope



The lower running rail must be installed horizontally, any slopes in the substructure must be compensated for on-site. The poles must be designed with ground extension (BE), since the base plates (incl. fixing material) otherwise protrude into the installation space of the sash frame.

Fabric roofs
Lamaxa

Glass roofs
Lamaxa

Slat roofs
Lamaxa

Planning

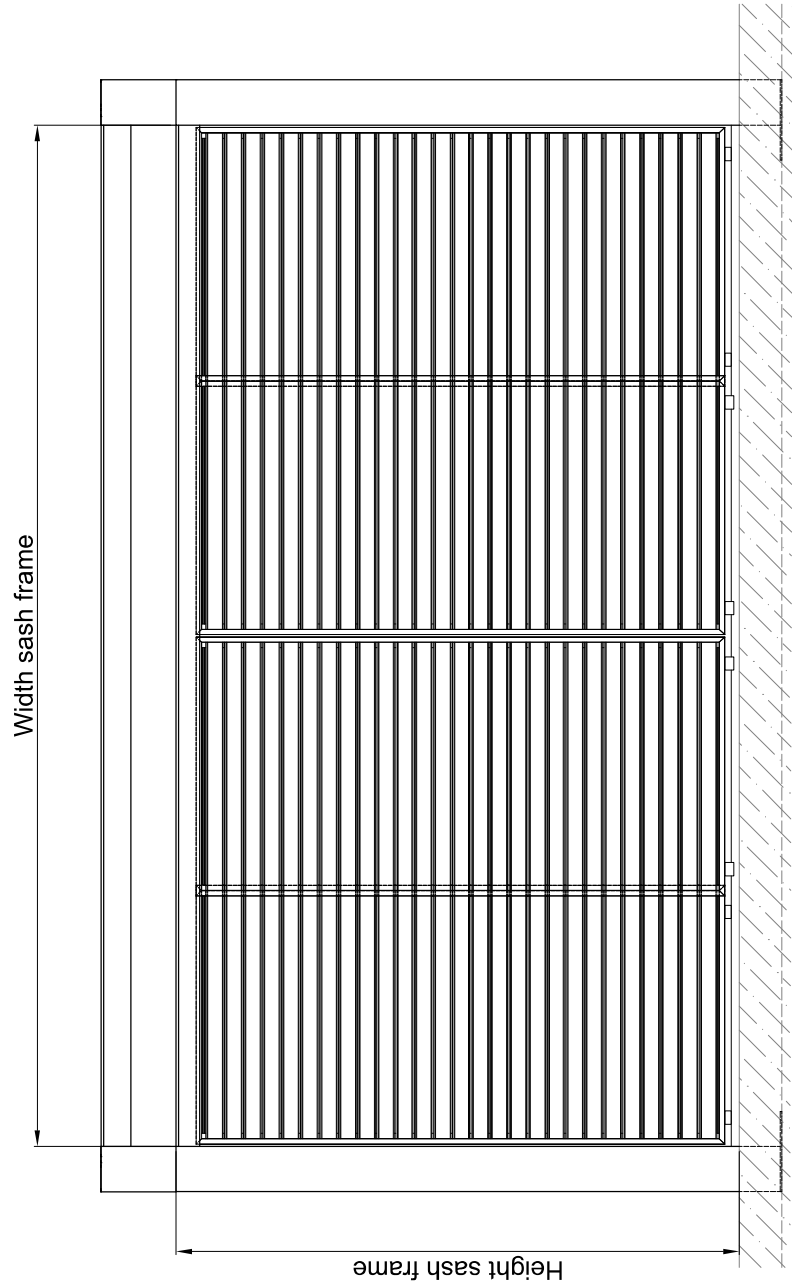
Supplementary
accessories

Drive
variants

Standards

L60/L70, sliding shutter set

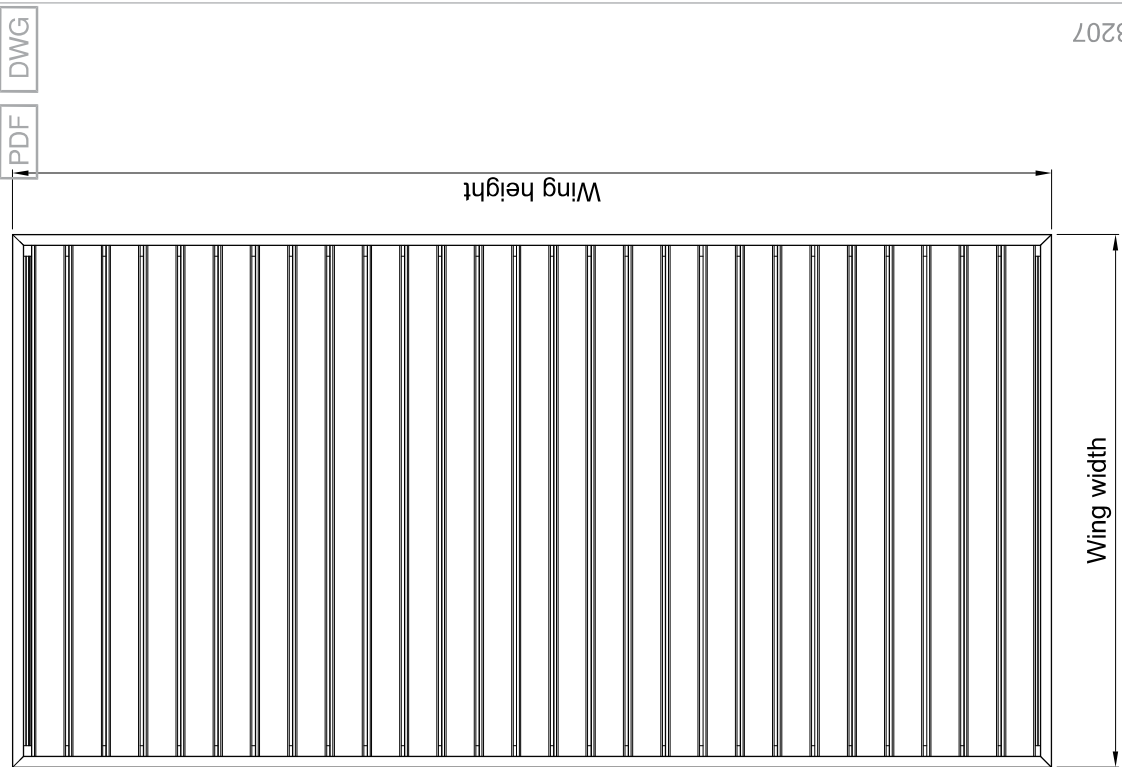
PDF DWG



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When closed, the wings overlap each other by 40 mm.

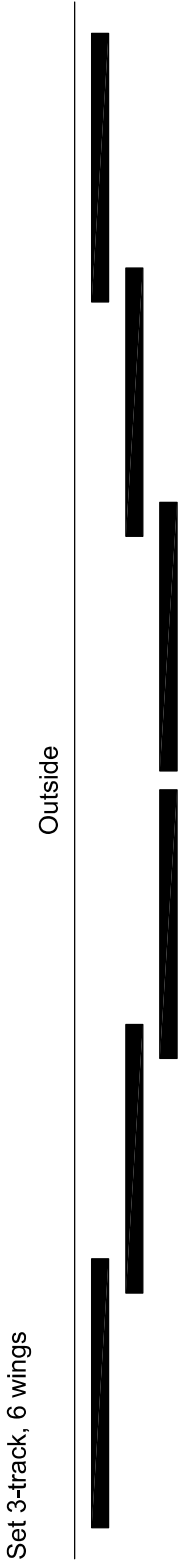
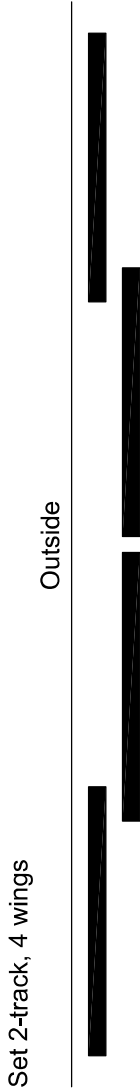
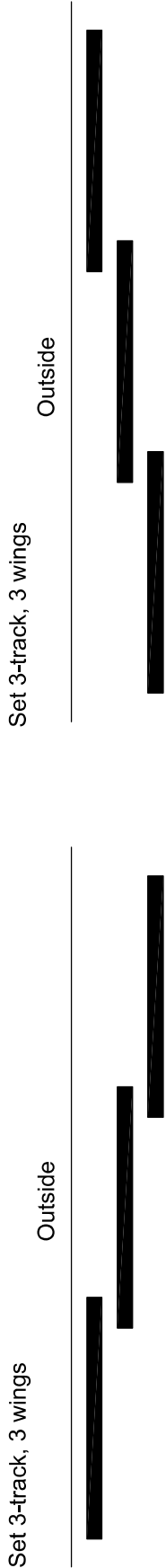
Single wing, sliding shutter - L60/L70



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Number of wings and arrangement - sliding shutter set

PDF DWG



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Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

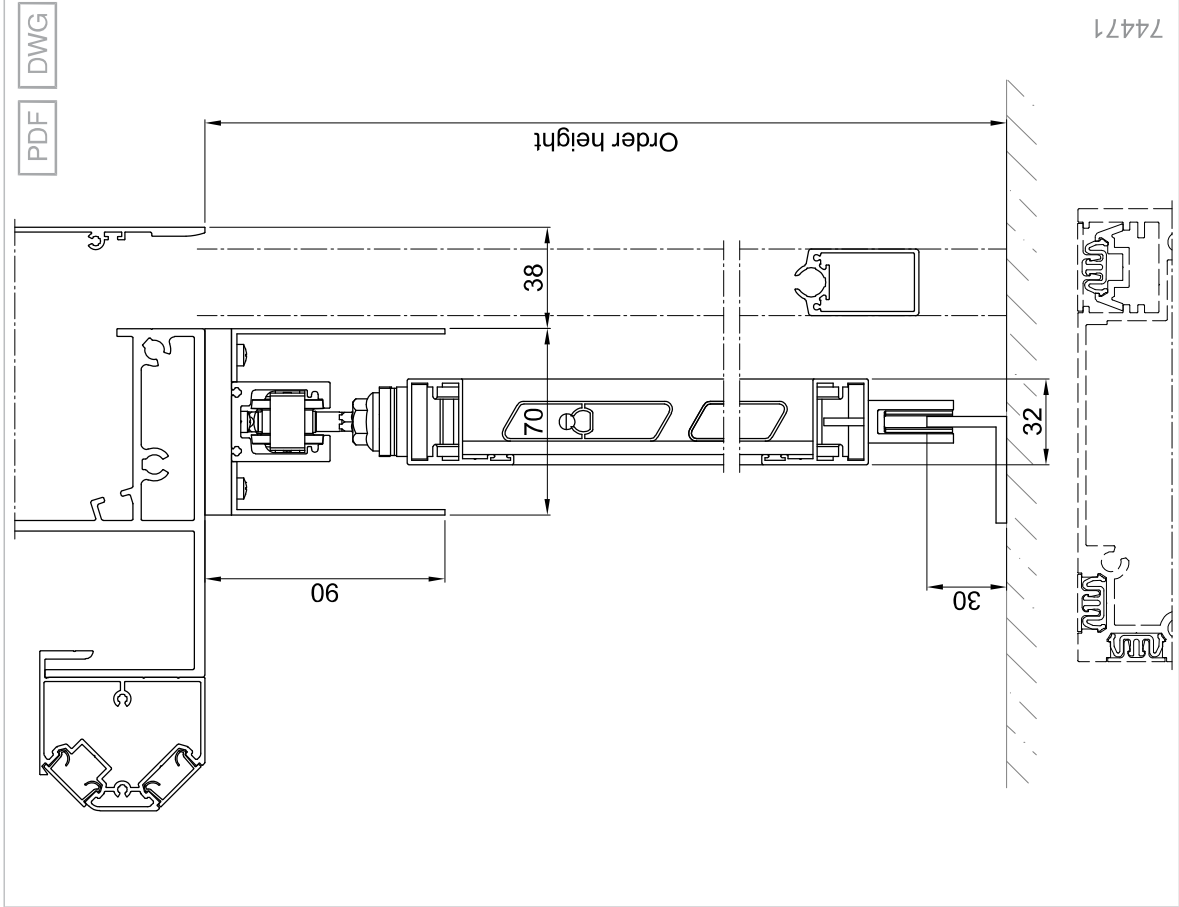
Fabric roofs
Lamaxa

Supplementary
accessories

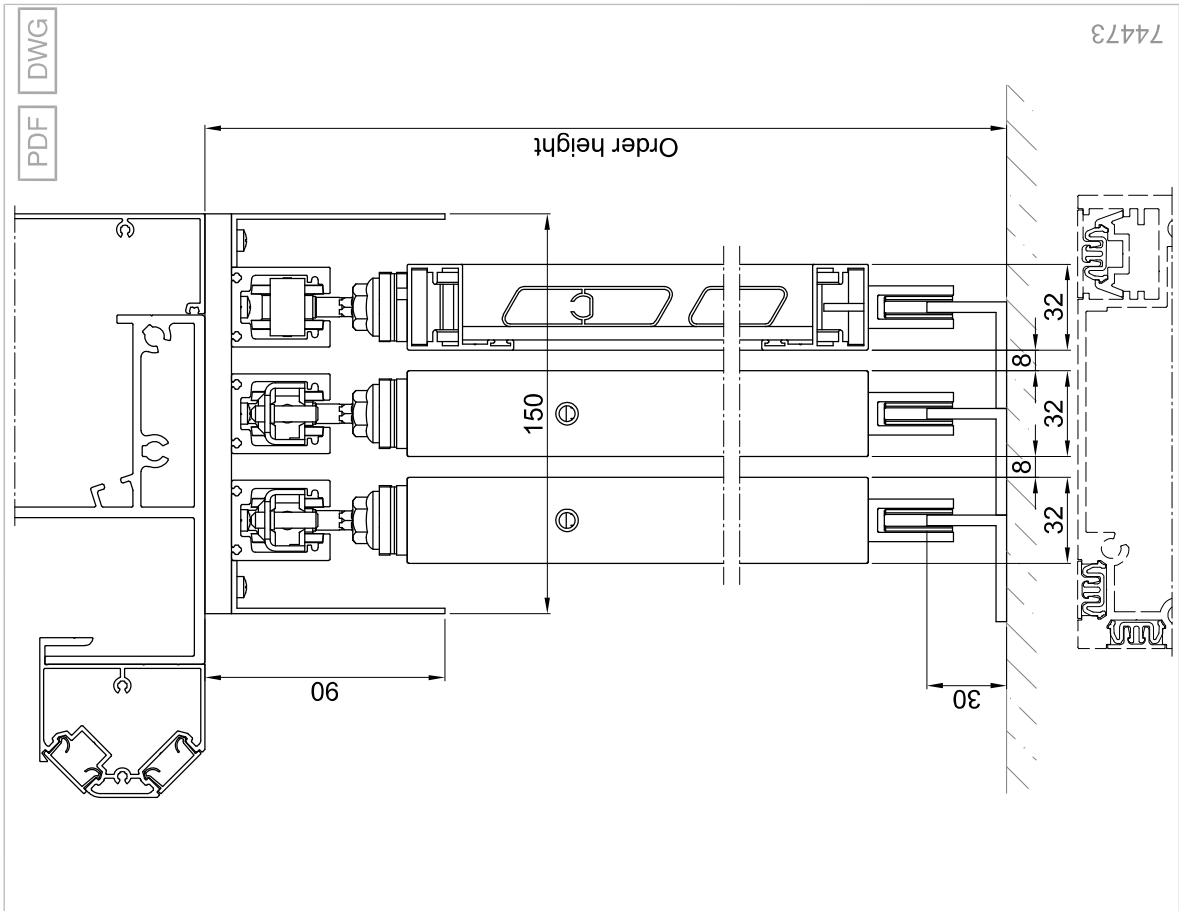
Drive
variants

Details

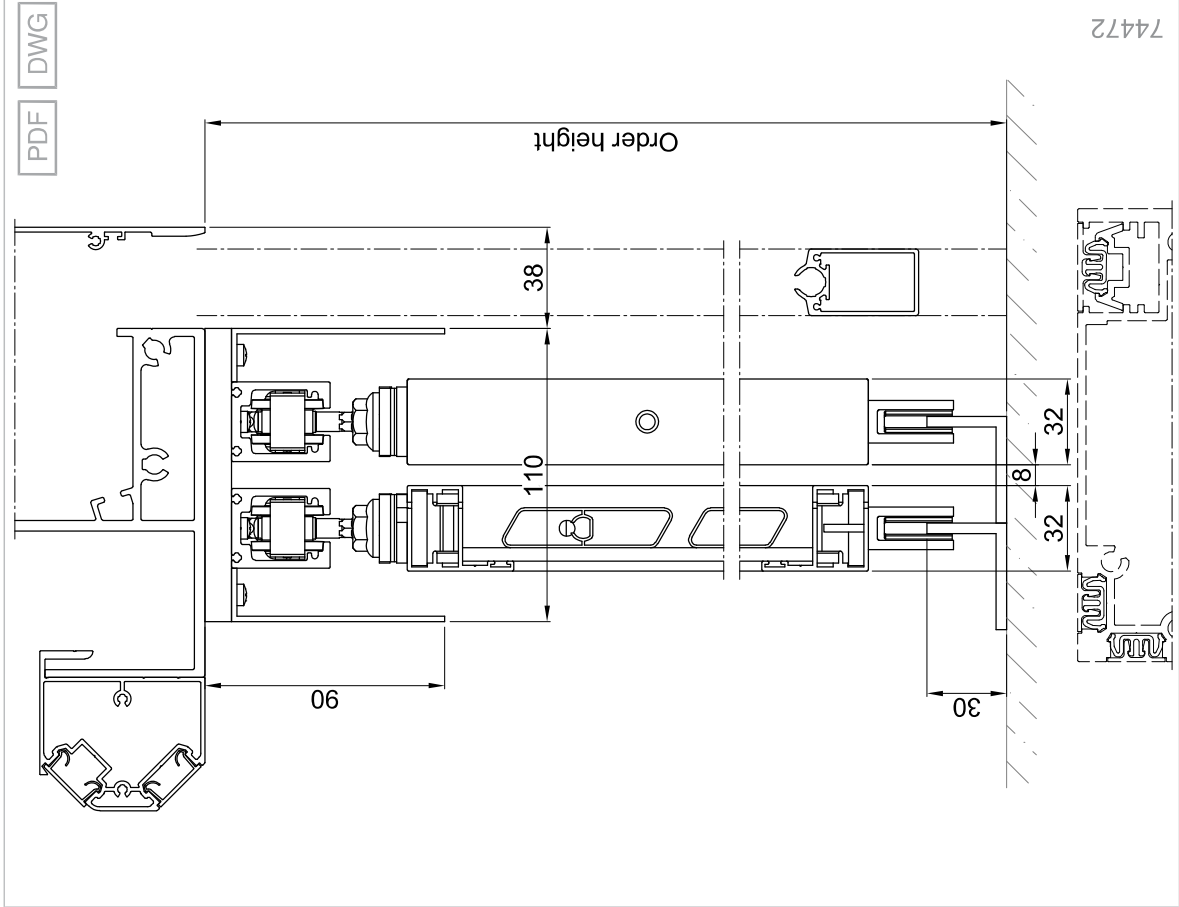
L60/L70, sliding shutters, 1-track



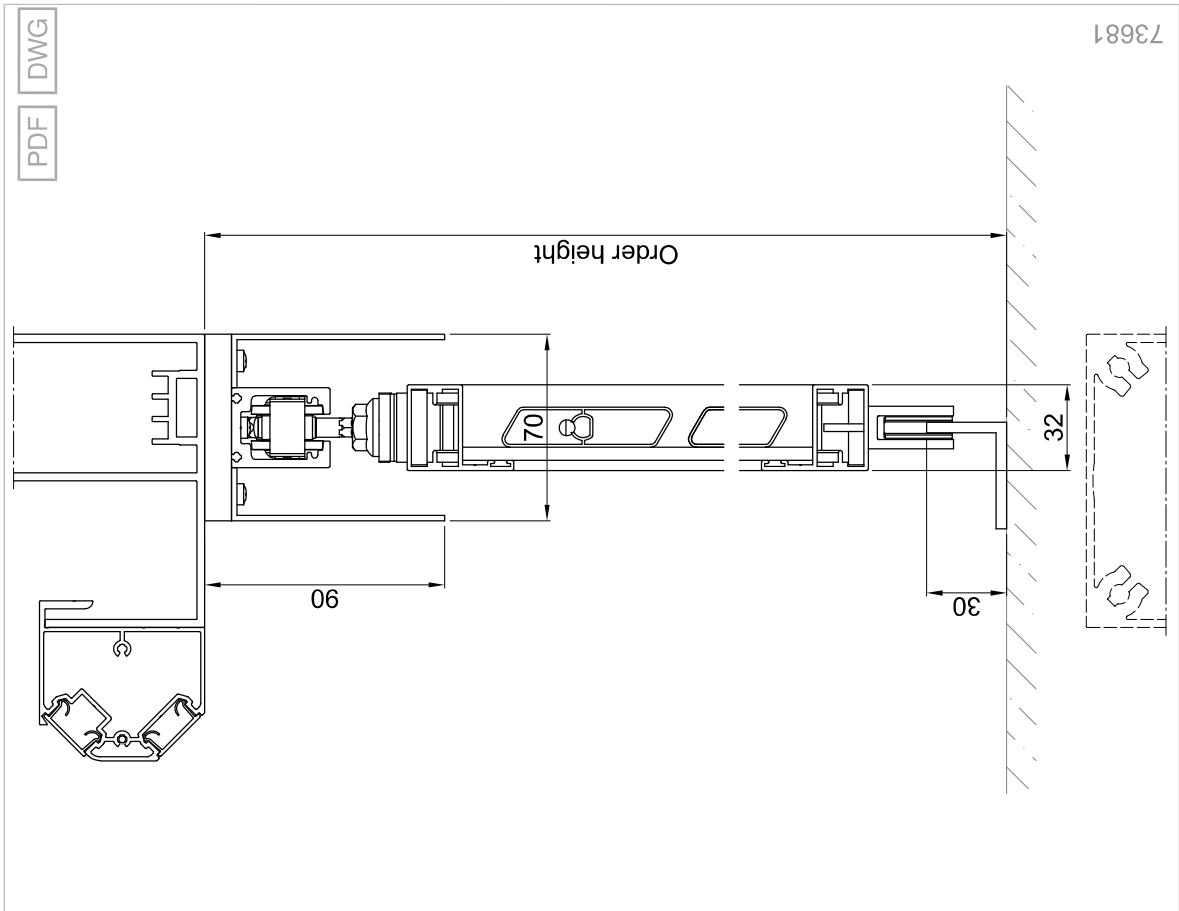
L60/L70, sliding shutters, 3-track

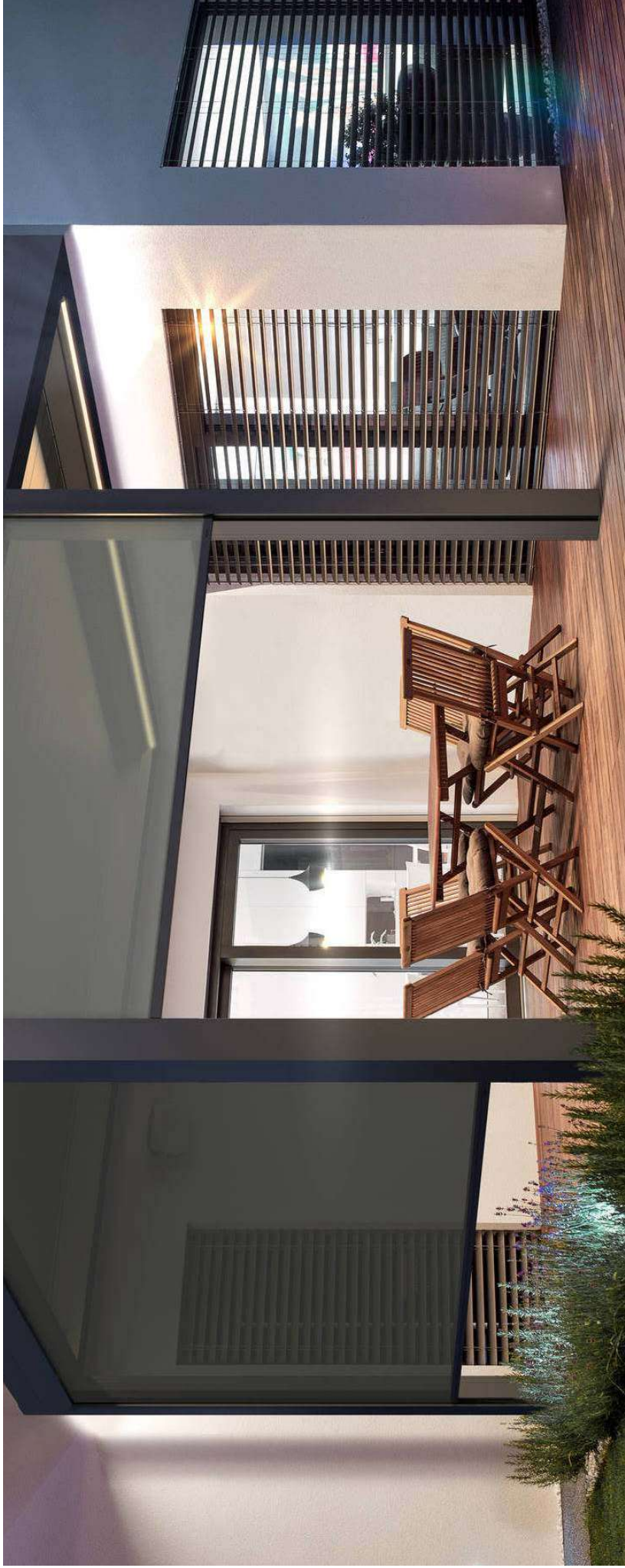


L60/L70, sliding shutters, 2-track



Running rail, 1-track, sliding shutters - L50





Supplementary accessories

Additional pole

Expanding

The additional pole creates extra sections so a throughhole can be realised, for example.

Combinable

Lateral shading with easyZIP guidance can be installed in or on the pole.

Illuminating

For an individual lighting atmosphere in the evenings: The dimmable LED strips can be integrated in or attached on the additional pole, depending on the type.

Can be used for:

- Lamaxa L70
- Lamaxa L60
- Lamaxa L50/L50 Tex



☒ Product characteristics

- Creates a clear throughhole
- Vertical shading of one of the two fields using awnings with easyZIP guidance



Additional pole - L60/L70

Components

Pole

Pole - L60/L70

Material	Aluminium, extruded
Surface	Powder-coated
Width	170 mm
Height	170 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.

Floor recess and separation cut:

For a floor recess, we recommend the use of a separation cut in the inspection parts to allow for inspection without dismantling the floor. If the floor recess does not have a separation cut, the easyZIP guidance inlays and the integrated LED strips reach the bottom edge of the pole profile.

Base plate

Base plate - corner installation L60/L70

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	300 mm
Height	300 mm

Notes

Integrated awnings with easyZIP guidance in combination with additional pole:

- Maximum 6 units per slat roof
- If only one field is equipped with an easyZIP awning, a gap in the inspection cover will be visible from the free field below.

Integrated lighting in combination with additional pole:

- Attached in pairs per field
- Maximum 6 fields per slat roof
- Maximum total length of the LED strips for all fields of 29000 mm

Positioning:

- An additional pole can be positioned for each field.
- For additional pole installation and inspection access, a minimum distance of 300 mm is required between the additional pole and the facade.
- Corner base plate a or b can be selected.
- Downward and outward drainage possible.
- The additional pole has a minimum offset dimension of 250 mm.

Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

Fabric roofs
Lamaxa

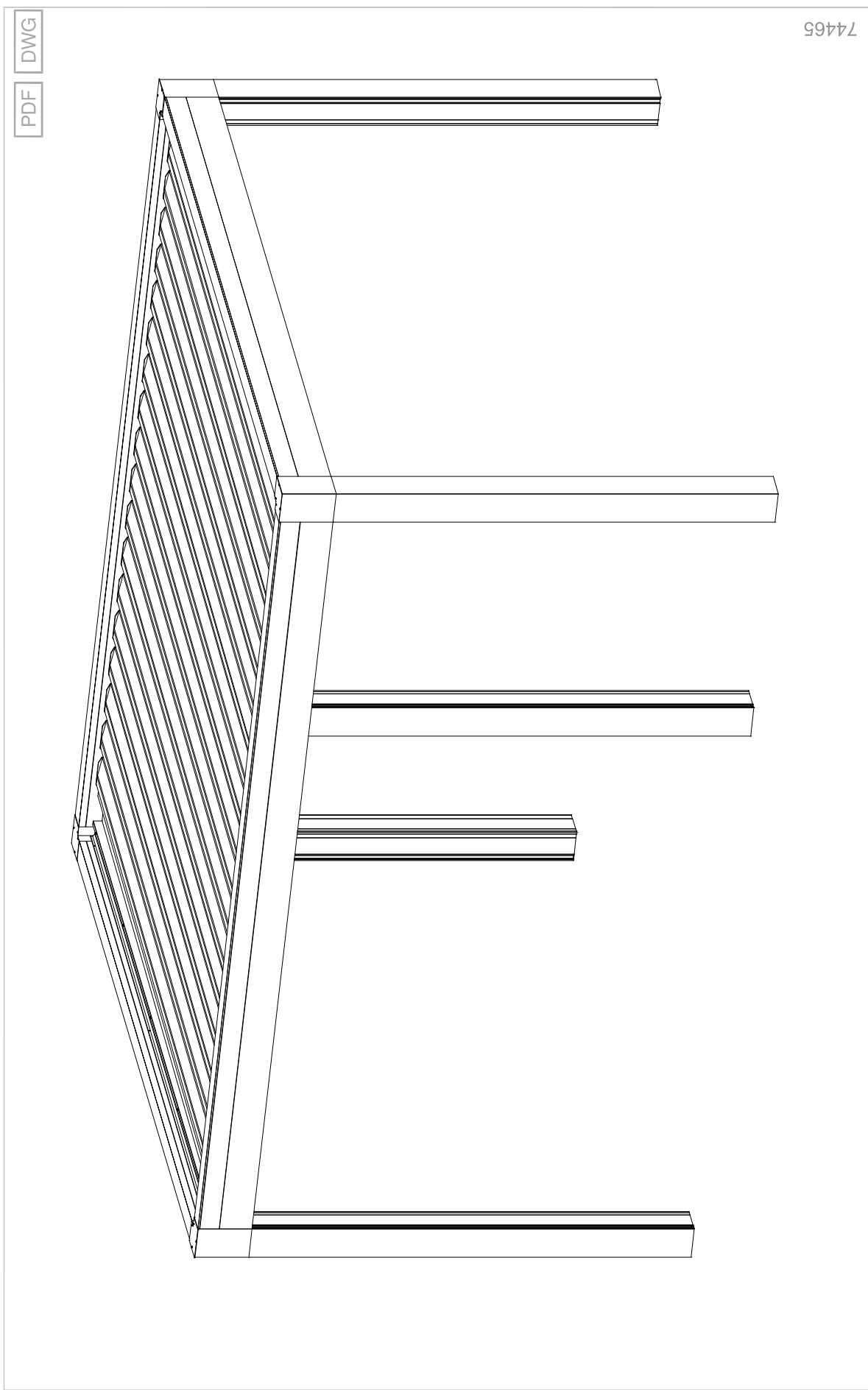
Supplementary
accessories

Drive
variants

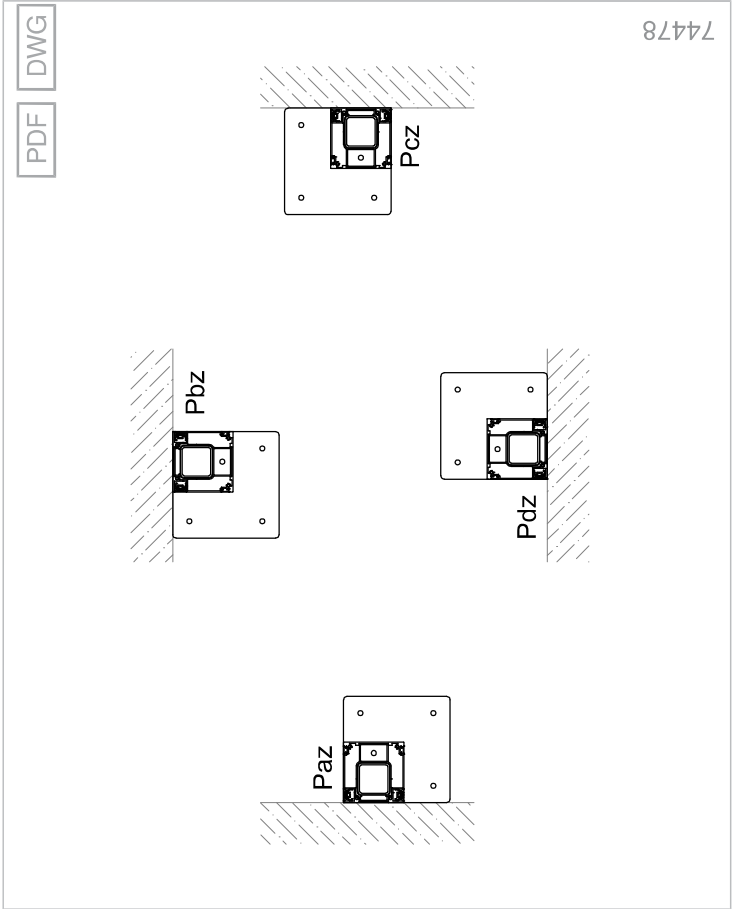
Standards

Mounting examples

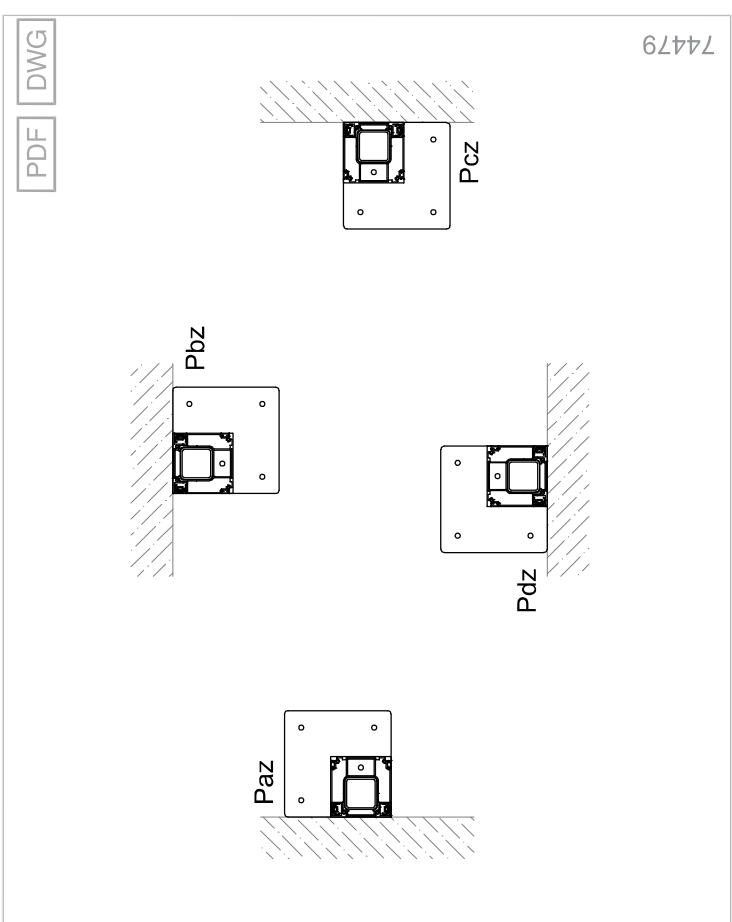
L60/L70, additional pole



L60/L70, corner base plate a, additional pole

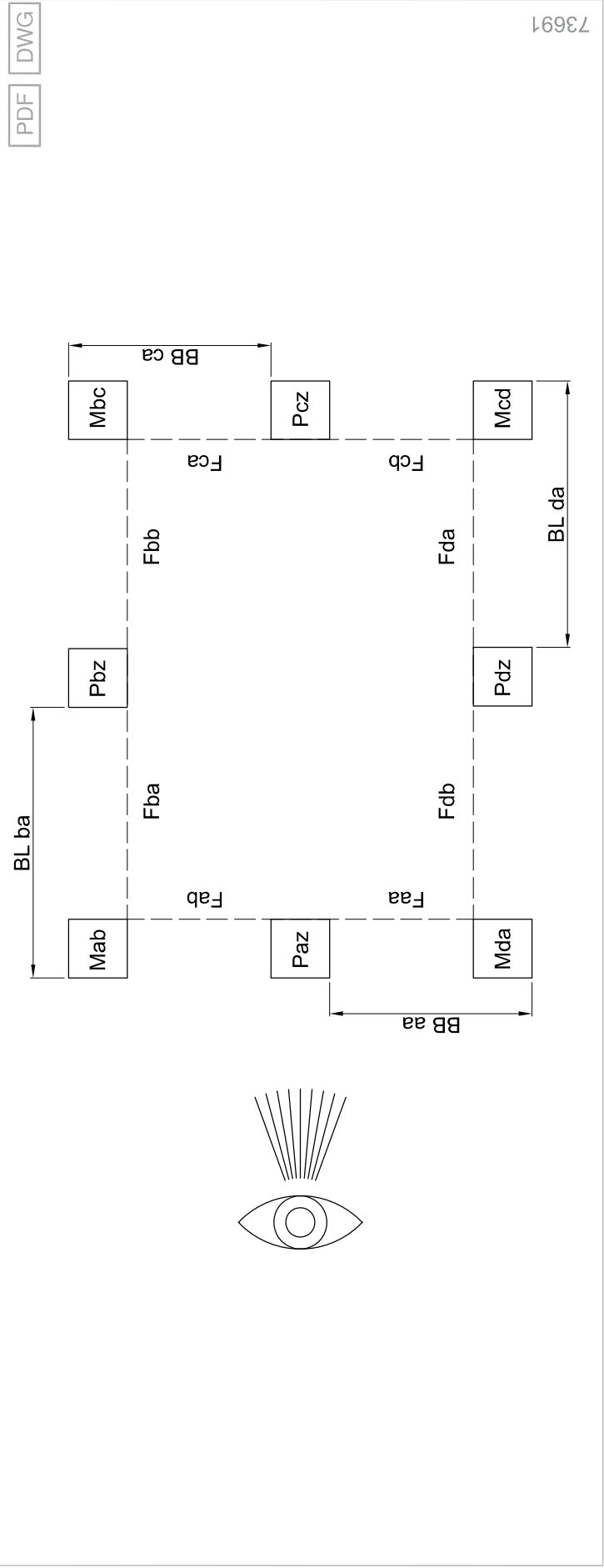


L60/L70, corner base plate b, additional pole





Top view of fields and poles - L50/L50 Tex/L60/L70



Planning

Slat roofs
Lamaxa

Glass roofs
Lamaxa

Fabric roofs
Lamaxa

Supplementary
accessories

Drive
variants

Standards

Additional pole - L50

Components

Pole

Pole - L50

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

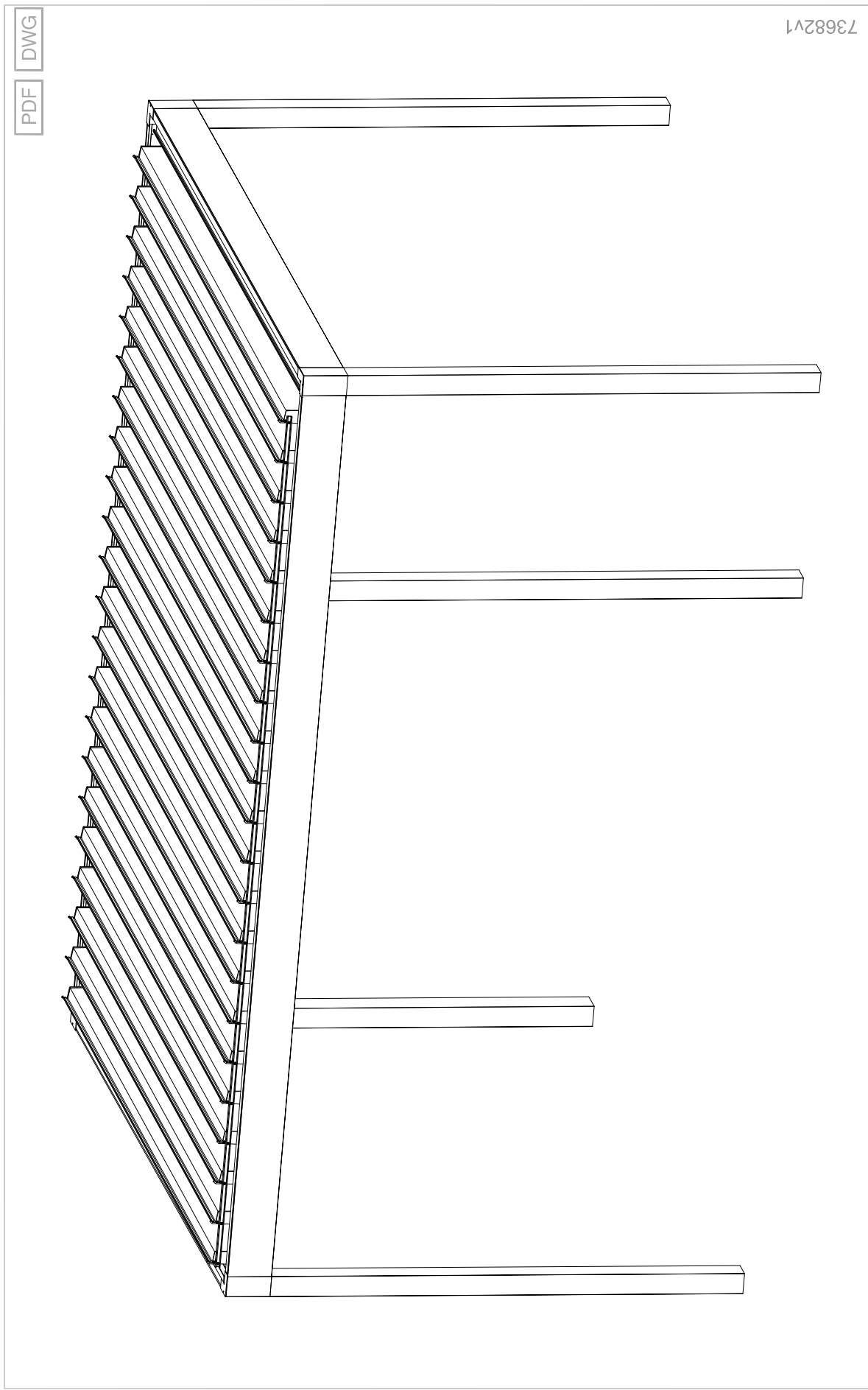
Base plate

Base plate - L50

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

Mounting examples

Additional pole - L50



Reinforced corner base plate - L50 View

Material	Galvanised steel	
Surface	Plain	
Optional surface	Powder-coated	
Width	375 mm	
Height	375 mm	

Notes

Awnings with easyZIP guidance in combination with additional pole:

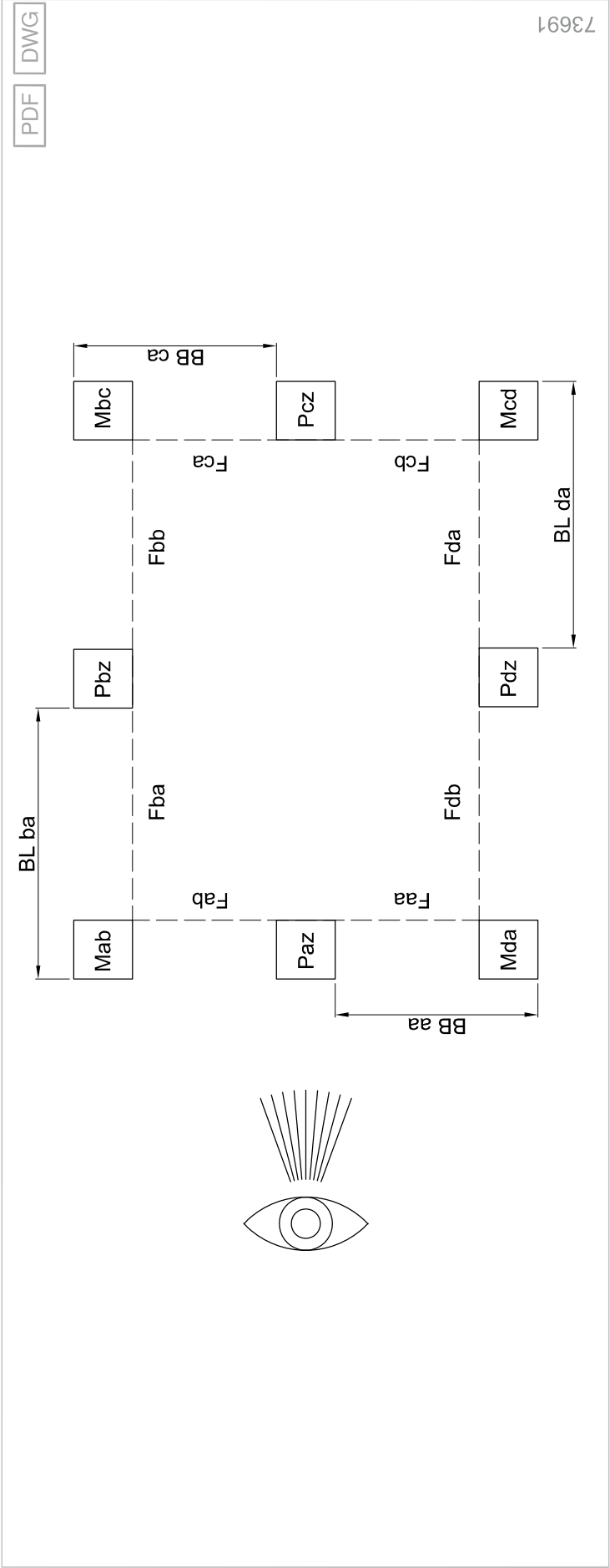
- Maximum 6 units per slat roof

LED lighting is not possible on an additional pole.

Positioning:

- The additional pole has a minimum offset dimension of 200 mm.
- An additional pole can be positioned for each field.
- L50 View: The additional poles can only be used in field a and field c.

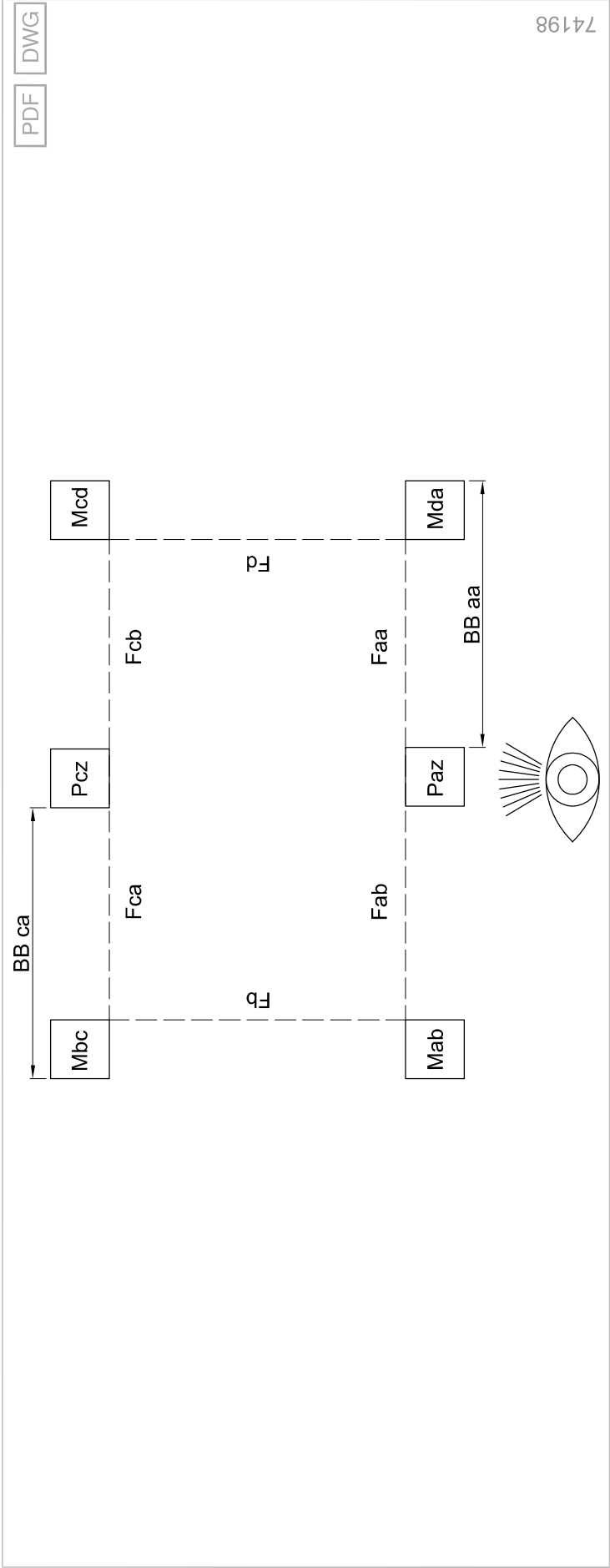
Top view of fields and poles - L50/L50 Tex/L60/L70



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

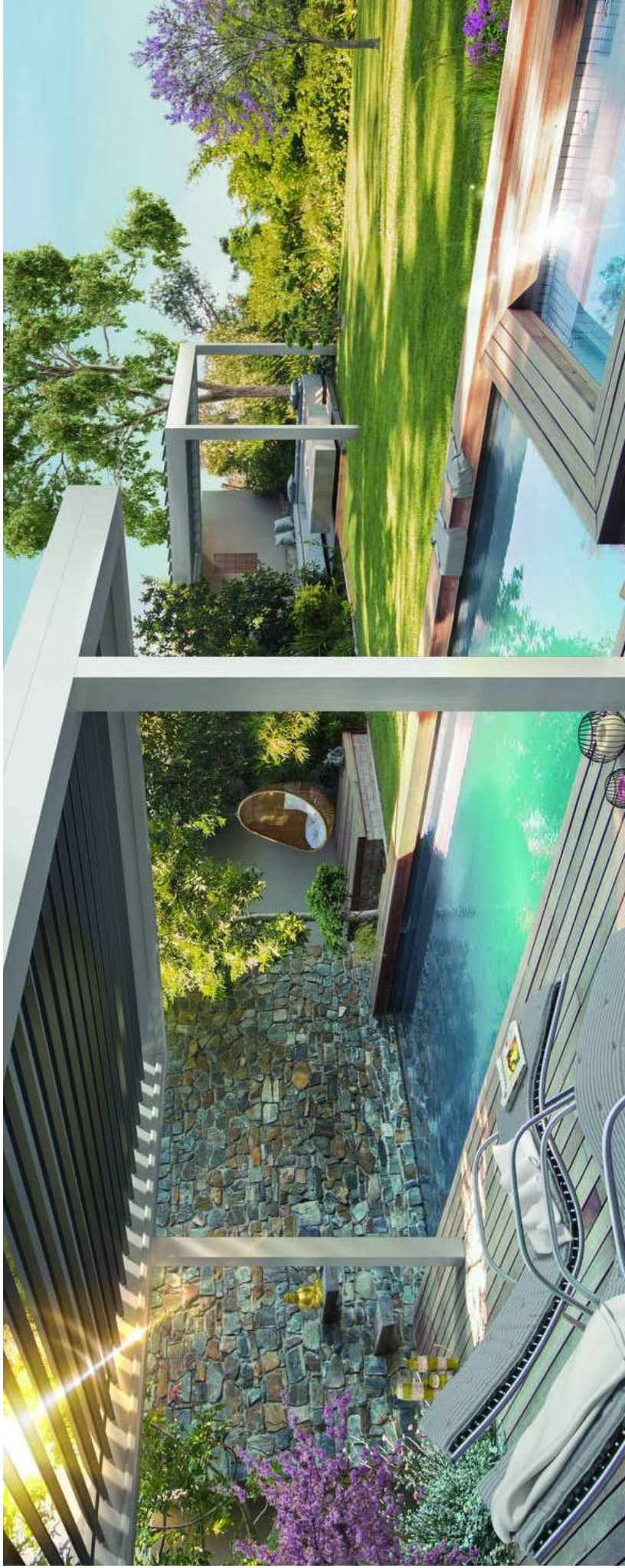
- z Additional
- BB Order width
- BL Order length

Top view of fields and poles - L50 View



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

- z Additional
- BB Order width



Supplementary accessories

Offset pole

Sheltered

Sun shading and weather protection of adjacent areas: The area under the slat roof as well as areas adjacent to it are shaded from direct sunlight or protected from the weather.

Offset

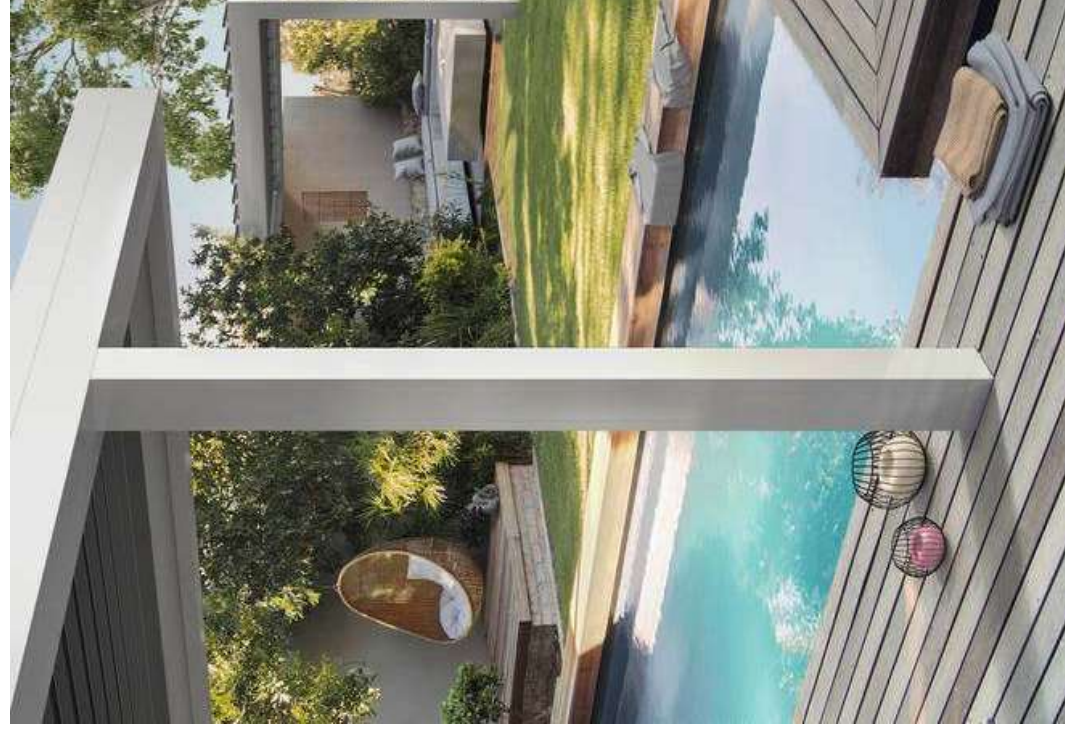
Spatial design freedom: Flexibly positioned, the construction appears less cubic but remains structurally stable.

Easily positionable

Takes structural particularities into account: A foundation is necessary to fix the pole. The pole can be flexibly positioned along the long crossbeam side in accordance with the substructure and the desired placement.

Can be used for:

- Lamaxa L60
- Lamaxa L70
- Lamaxa L50/L50 Tex



Product characteristics

- Realisation of a roof overhang
- More flexible positioning of the pole creates more open space



Offset pole - L60/L70

Components

Pole

Pole - L60/L70

Material	Aluminium, extruded
Surface	Powder-coated
Width	170 mm
Height	170 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.

Floor recess and separation cut:

For a floor recess, we recommend the use of a separation cut in the inspection parts to allow for inspection without dismantling the floor. If the floor recess does not have a separation cut, the easyZIP guidance inlays and the integrated LED strips reach the bottom edge of the pole profile.

Base plate

Base plate - corner installation L60/L70

Material	Galvanised steel
Surface	Plain
Optional surface	Powder-coated
Width	300 mm
Height	300 mm

Notes

- The offset is max. 1,200 mm or max. 1/3 of the order length.
- The poles can be offset along crossbeams b and d.
- L60: One pole (b and d) can be offset for each field.
- L70: The poles Mbc and Mcd can be offset. However, Mab and Mda cannot be offset.
- L60/L70: The centre poles cannot be offset.
- For offset pole installation and inspection access, a minimum distance of 300 mm is required between the offset pole and the facade.
- Minimum offset dimension: 250 mm.
- The on-site connecting line can be connected to the adjacent crossbeam via the offset pole.
- It is possible to install the integrated awning with easyZIP guidance between the corner pole and the offset pole. The installation of the crossbeam-inspection covers is carried out in two parts.
- It is not possible to retrofit an integrated awning with easyZIP guidance in an offset pole field.
- It is possible to integrate LED lighting into the pole between the corner pole and the offset poles.
- It is possible to integrate an outward or downward drainage point into the offset pole.
- ZIP systems and LED lighting are not possible between two offset poles.
- Only corner base plate possible.

Planning

Slat roofs
Lamaxes

Glass roofs
Lamaxes

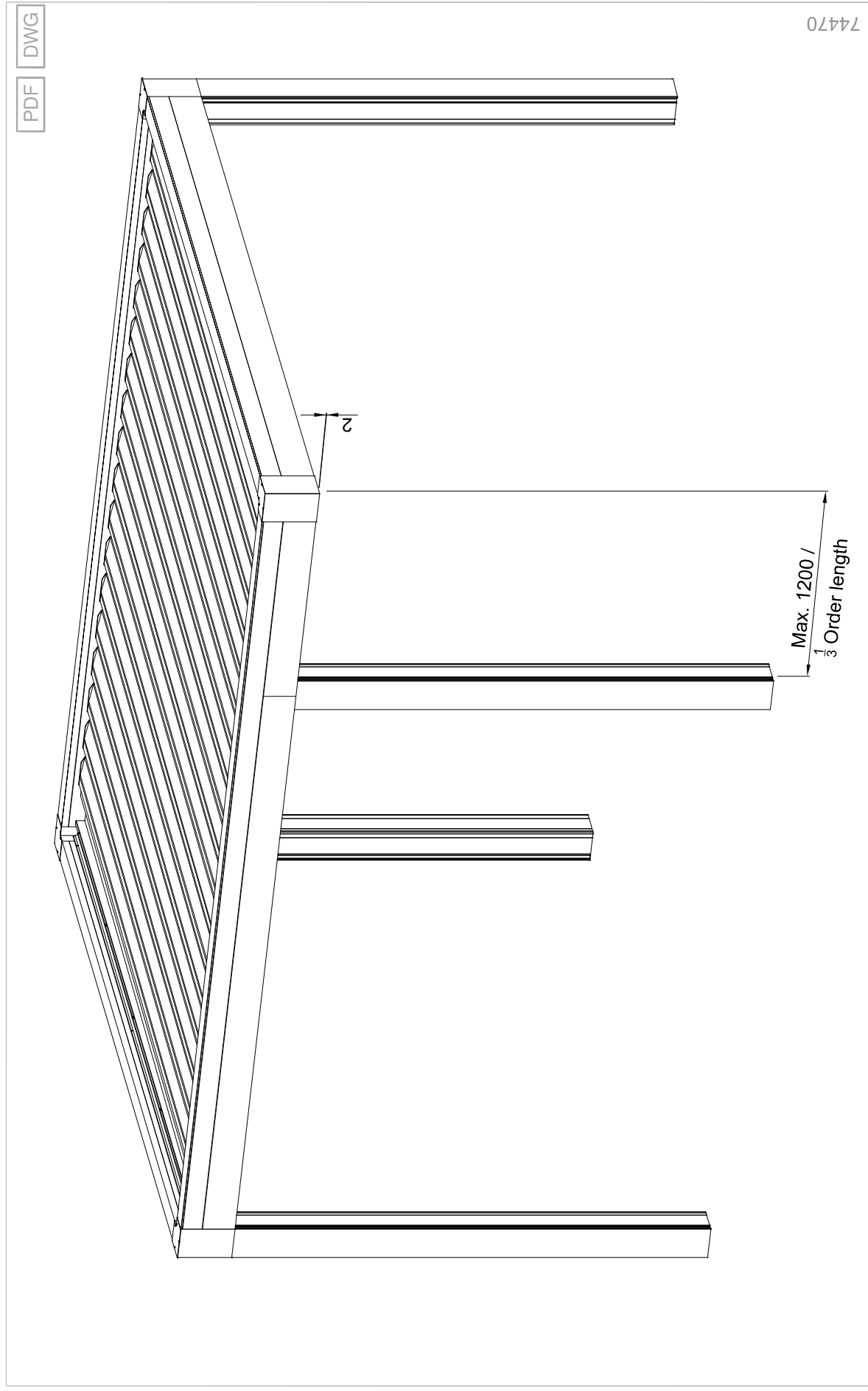
Fabric roofs
Lamaxes

Supplementary
accessories

Drive
variants

Mounting examples

L60/L70, offset pole



Offset pole - L50/L50 Tex

Components

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.

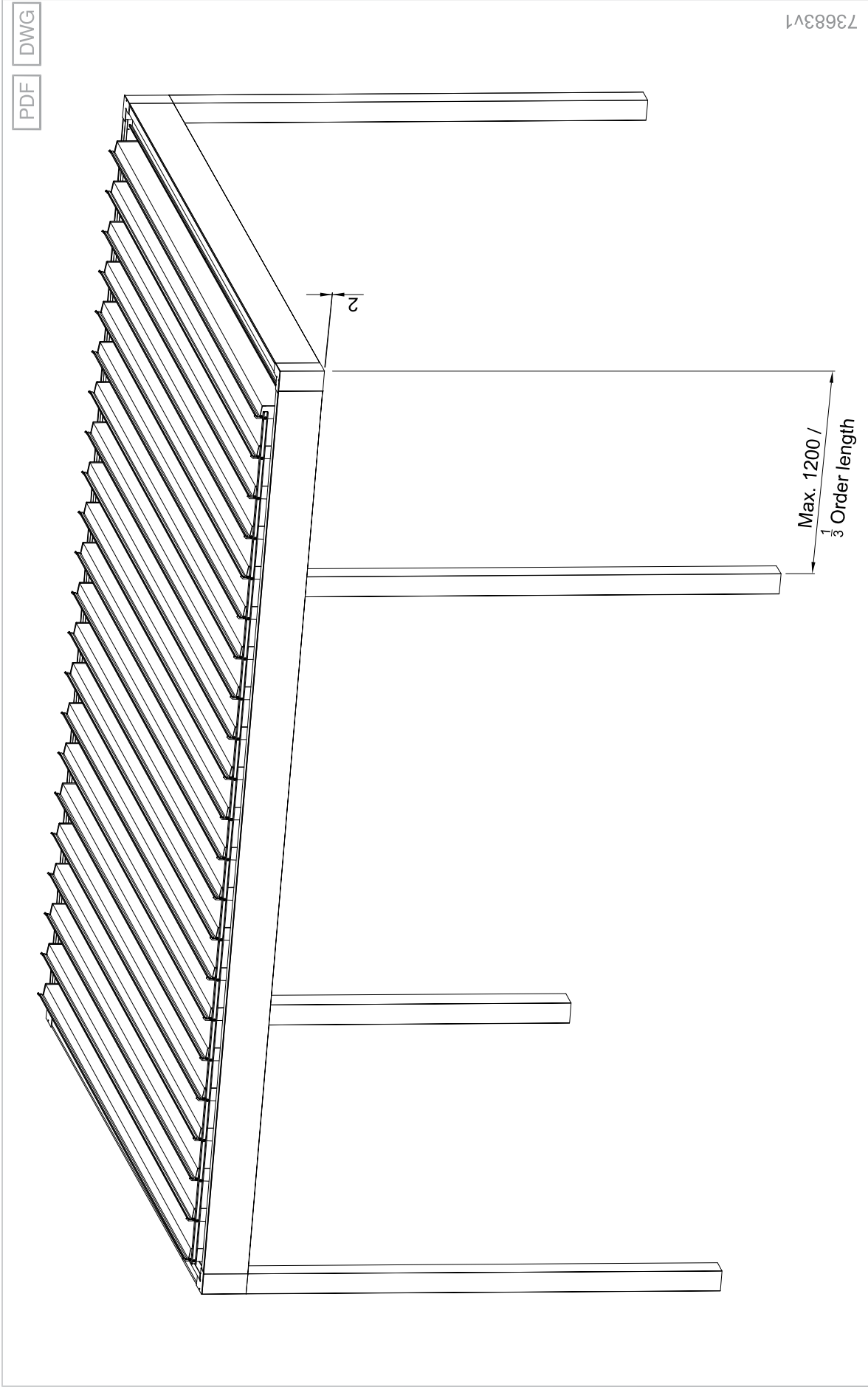
Base plate

Base plate - L50

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

Mounting examples

Offset pole - L50



Notes

- The offset is max. 1,200 mm or max. 1/3 of the order length.
- The poles can be offset along crossbeams b and d.
- One pole (b and d) can be offset for each field.
- Minimum offset dimension: 200 mm.
- The on-site connecting line cannot be connected to the adjacent crossbeam via the offset pole.
- It is possible to install the awning with easyZIP guidance between the corner pole and the offset pole.
- It is not possible to retrofit an awning with easyZIP guidance in an offset pole field.
- LED lighting on the offset pole is not possible.
- It is not possible to integrate a drainage point into the offset pole.
- With a free-standing slat roof, the connecting line pole cannot be offset.

Planning

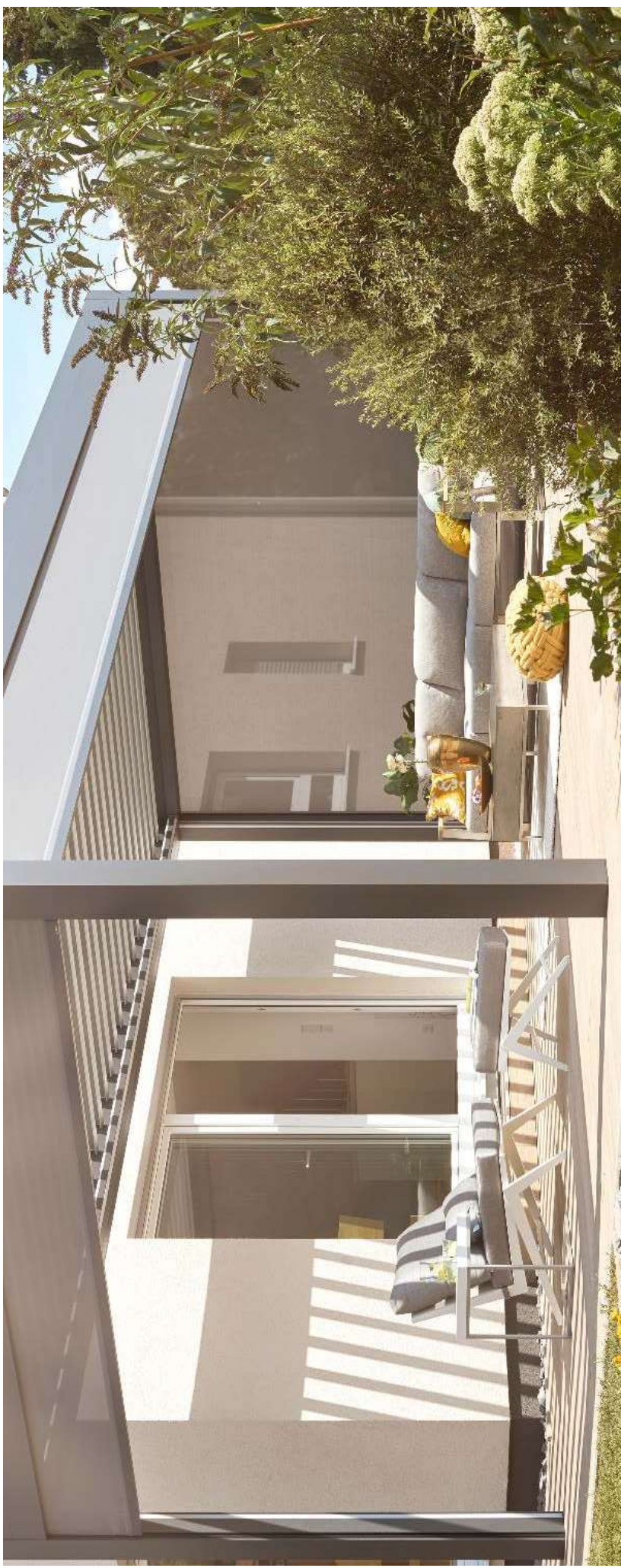
Slat roofs
Lamaxes

Glass roofs
Lamaxes

Fabric roofs
Lamaxes

Supplementary
accessories

Drive
variants



Supplementary accessories

Power socket

Expanded

Added value for Lamaxa: The addition of a power socket transforms the slat roof into a multifunctional outdoor working, dining or entertainment area.

Comfortable

Easy to connect: The power socket is positioned in the pole and is therefore easily accessible for devices such as laptops, fridges or music systems.

Customisable

For a harmonious colour match with the poles: The power socket is available in three different colours.

Can be used for:

- Perea P70
- Perea P60
- Lamaxa L70
- Lamaxa L60
- Lamaxa L50
- Lamaxa L50 View
- Lamaxa L50 Tex



Product characteristics

- An outdoor power socket guarantees a reliable power supply below the Lamaxa
- Simple positioning in the pole

Product characteristics

Material	Aluminium
Material colour	Anthracite, White, Aluminium colour

Product characteristics

Model F safety contact power socket with hinged cover

Position:

- Corner pole, additional and/or offset pole
- Inside or outside of the pole
- No power socket is possible in a drainage pole
- **Height 650 mm from base plate bottom edge (other heights upon request)**

Notes

A corresponding drilled hole can be preinstalled **for alternative plug types**.

Power socket in combination with radiant heater: The power socket can be combined with a maximum of one radiant heater! A separate connecting line is required if more than one radiant heater is installed.

Power socket in combination with drainage: Not possible in same pole.

Power socket in combination with sash frame: A power socket cannot be installed on the same side of the pole as the sash frame.

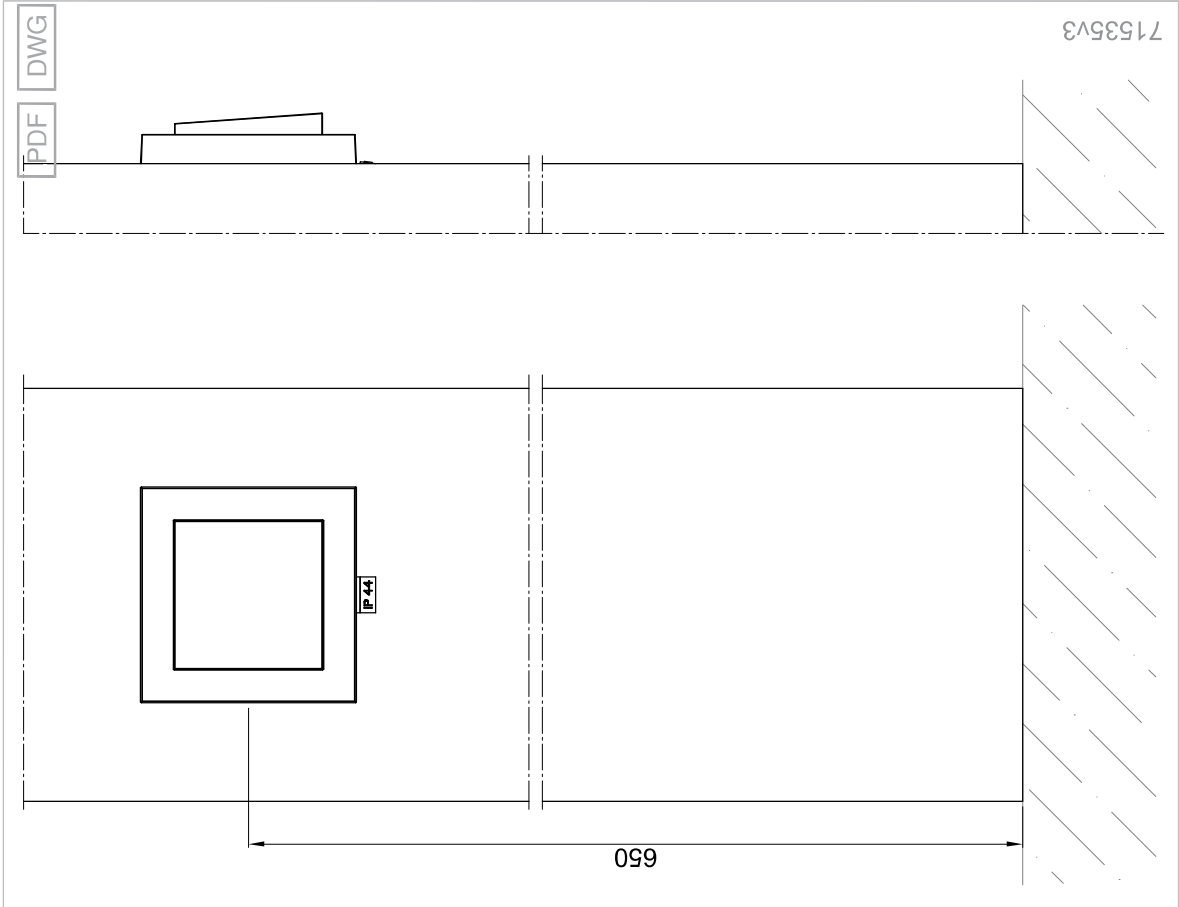
Attention: There must be a horizontal distance of at least 600 mm from a power socket to water (e.g. pool) in accordance with DIN VDE 0100 Section 701.

Connecting line is not included in the scope of delivery. It must be provided on site or ordered separately.

Dimension determination

Details

Power socket with hinged cover





Supplementary accessories

Protection profile

Protects

Optimal closure in dust and rain: The protective profile reliably covers the transition from crossbeam to slat.

Permanent

Reliable connection: Spring hinges hold the protective profile in place when opening and closing the slats.

Suitable for retrofitting

Useful addition: The protective profile can be retrofitted to existing Lamaxa L50 slat roofs.

Can be used for:

- Lamaxa L60
- Lamaxa L60 Line
- Lamaxa L50
- Lamaxa L50 Line/star system



Product characteristics

- Optimum weather protection
- Clean finish thanks to neat closure between slats and crossbeam