

BAVONA TP6500 HARDTOP

Lamella roof

TP6500



	min. 200 cm max. 600 cm		min. 200 cm max. 600 cm
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	0°
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Description

Terrace pavilions comprising a continuous cubic frame (extruded aluminium profile dimension 230 x 115 mm) and a lamella canopy. The construction is supported by 4 profiled supports (dimensions 115 x 115 mm). Numerous possible foot bracket options round out the system. The frame can be fastened directly to a structure, thereby permitting wall or ceiling mounting (with additional angle brackets). The water runs off through a circular gutter integrated in the frame, where the water flows in via the lamellas. The channel can be drained via hoses in the supports. The lamellas can be swivelled steplessly to a maximum of 115°, which ensures optimum setting of the desired light conditions. The lamella roof protects against rain when closed. In the slightly opened position, a heat build-up is prevented by the bio-climatic air circulation, thereby ensuring a pleasant climate.

The slat roof is particularly water-repellent, but not completely waterproof.

Wind resistance: The system satisfies wind resistance class 4 when extended (tensioned fabric) or to 150 km/h when retracted. (DIN 13561 compliant).

Snow load: The system is able to withstand a snow load of up to 110 kg/m²

Drive: Operated via a low-noise electric cylinder with mechanical limit stop. 24 V supply, IP66 protection class. The cylinder opens and closes the lamellas via a carrier profile.

Option:

Tilt-Box io: Standard supplied with temperature protection switched on (without Tilt-Box = **NO** temperature protection).

Drainage: Optionally, the water can be drained through the foot brackets into the floor or with lateral recess at the support. 1 water run-off is required for lamellas with a surface area of 17 m², and 2 run-offs for a surface area up to 36 m².

Integrated LED lighting: Up to three lamellas (position freely selectable) can be equipped with light. A groove, in which a LED light strip (warm white) or RGBW light strip is installed, is provided in the lamella profile for the integrated lighting. This is covered by a reflective plastic profile.

Operating the white LED light strip:

- Switch on/off/dim using an external light switch/dimmer.
- Use wireless (Somfy io) to switch on/off/dim.

Operating the RGBW light strip:

- Use wireless (Mi-Light) to switch on/off/dim/change colors.

Adaptive LED lighting: A triangular aluminum LED profile can be suspended from the frame profile at the integrated water channel. The built-in white (warm white) LED light strip or RGBW light strip is covered by a reflective plastic profile. The flexible mounting enables direct or indirect lighting to be selected.

Operating the white LED light strip:

- Switch on/off/dim using an external light switch/dimmer.
- Use wireless (Somfy io) to switch on/off/dim.

Operating the RGBW light strip:

- Use wireless (Mi-Light) to switch on/off/dim/change colors.

Glazing: The full glass sliding system SV1020 can be used for side glazing. The maximum side surface area of 15 m² per side must not be exceeded.

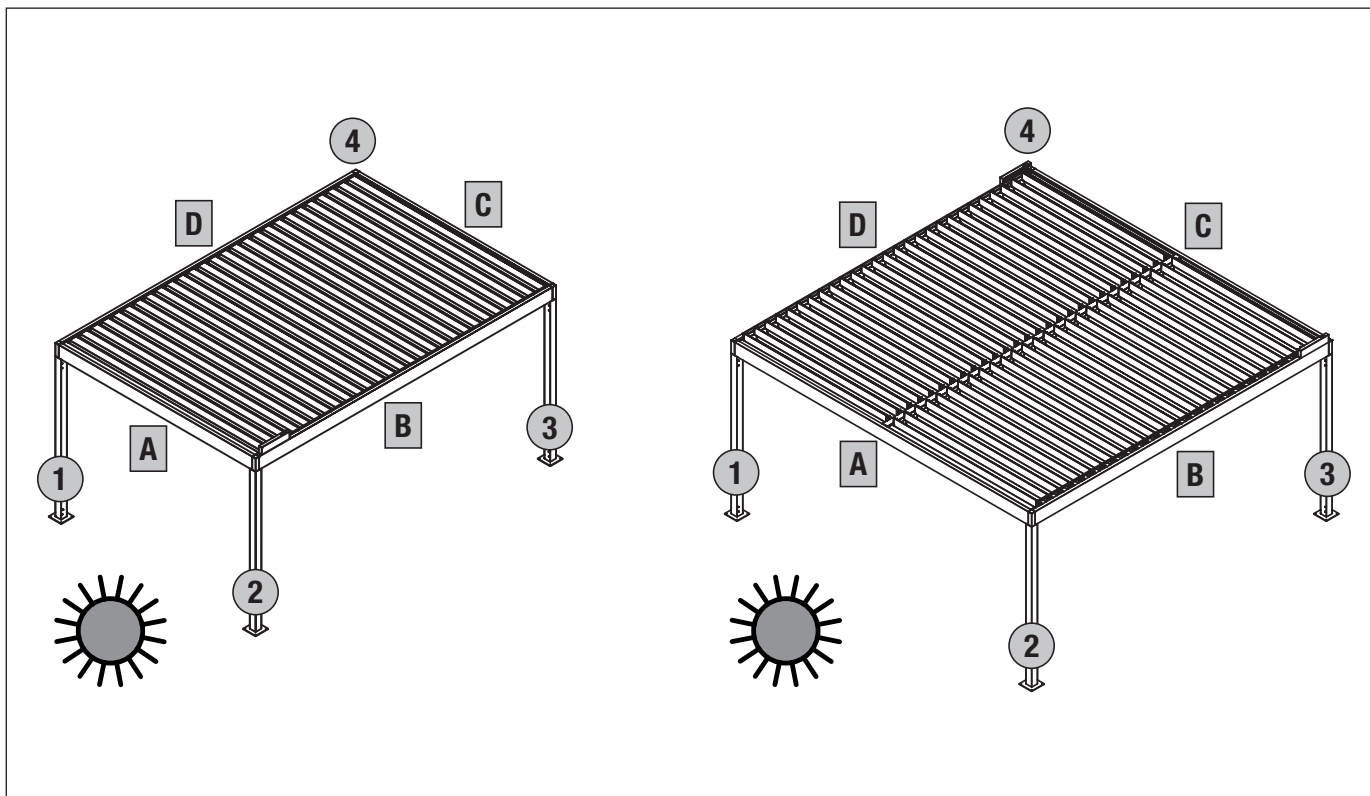
METHOD OF DELIVERY

Guides pre-mounted in carrier, supports and remaining single parts loose, no fixtures

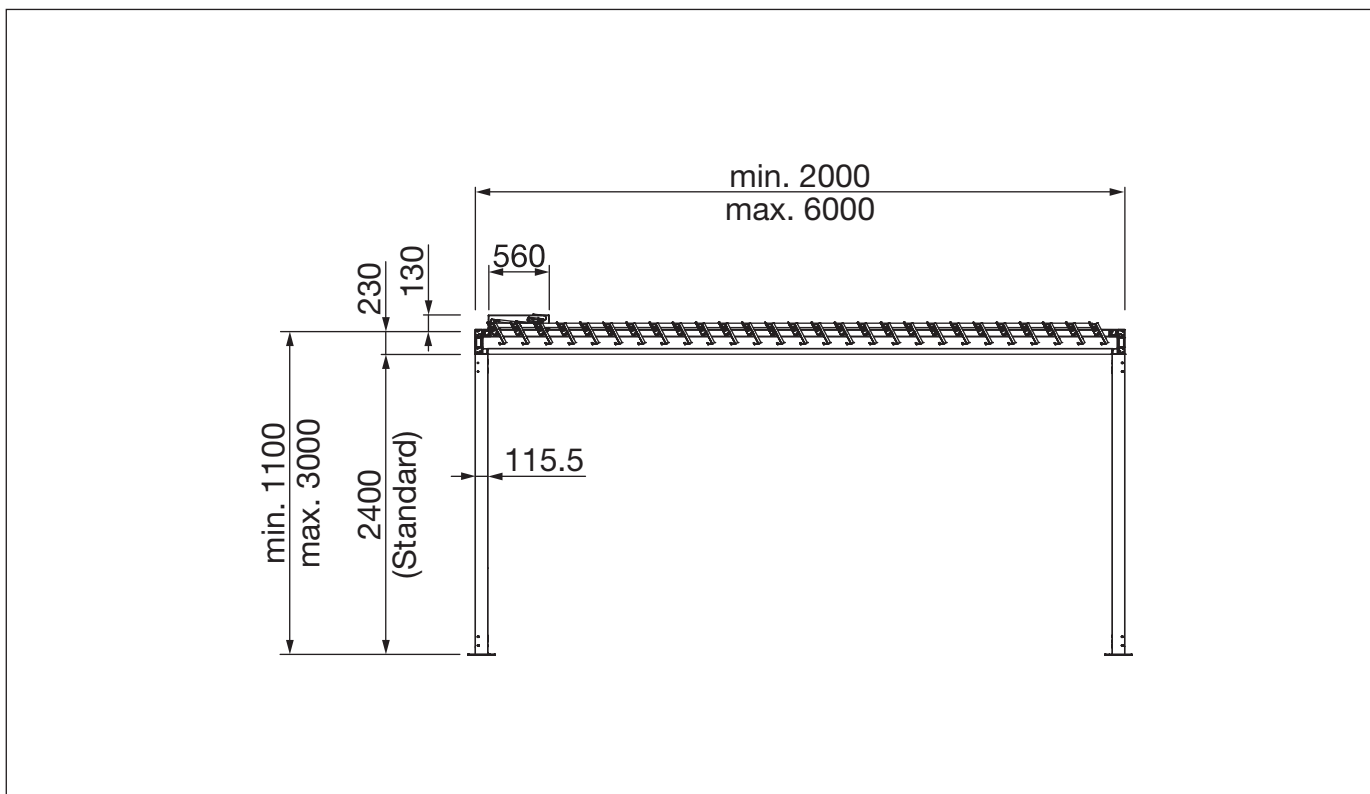
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Side and support position



View B / D

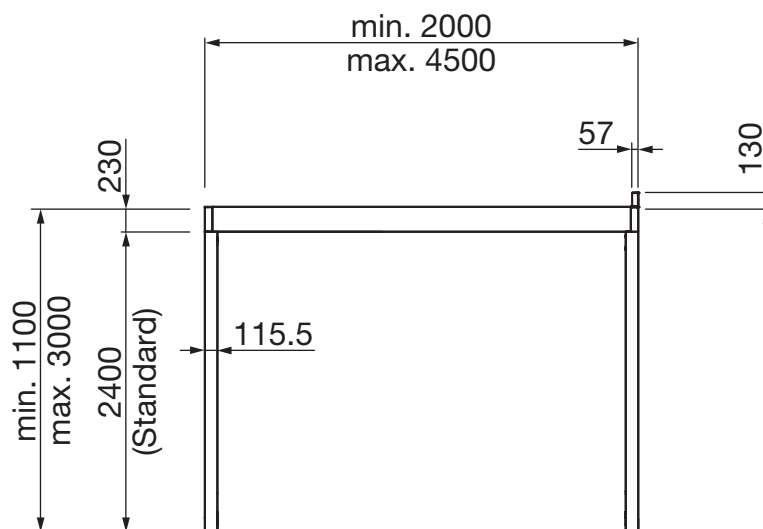


A / C = Total width
B / D = Total projection

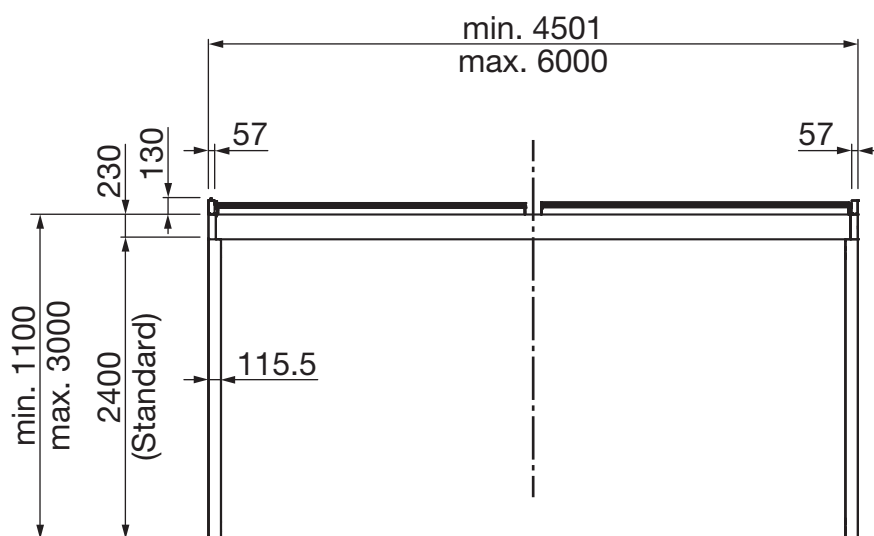
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Lamella roof

View A / C (simple construction)



View A / C (double construction)

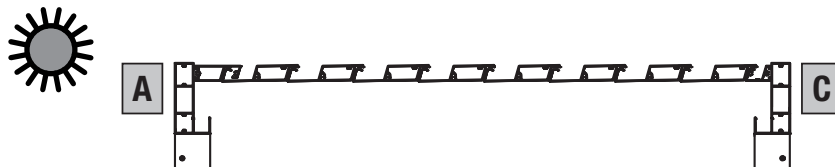


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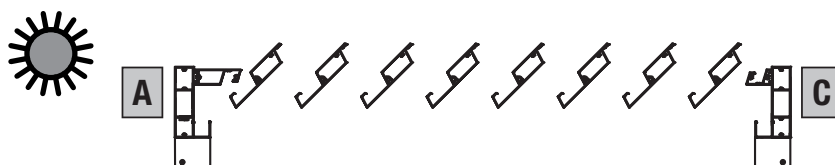
Lamella roof

Section A - C

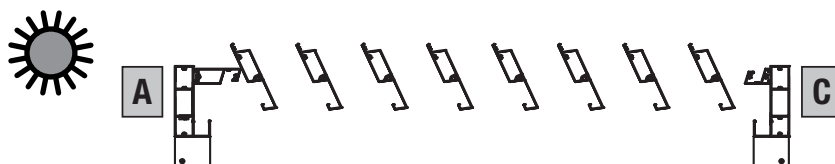
Lamellas closed (0 degrees)



Lamellas open (45 degrees)



Lamellas open to maximum (115 degrees)



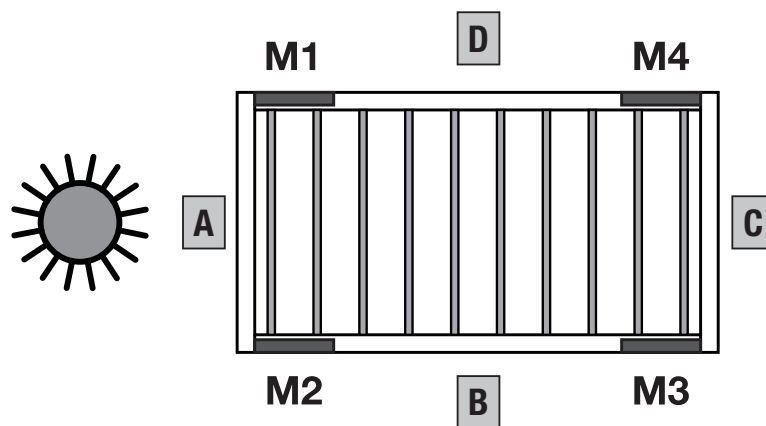
A / C = Total width
B / D = Total projection

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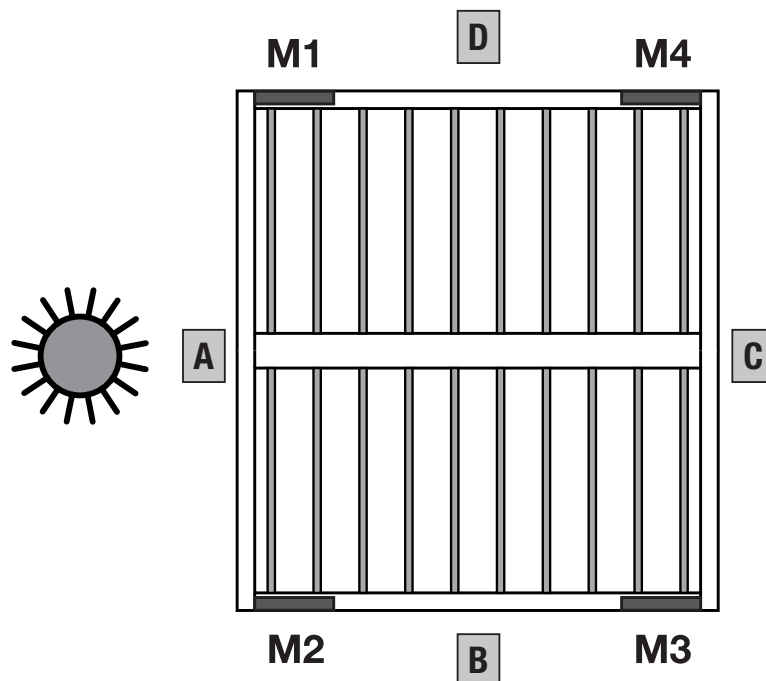
Lamella roof

Possible drive positions

Water flow always in the direction of the motor in the all-round running water channel
(due to design, the system cannot and is not permitted to be modified).



Position M1 / M2 / M3 / M4 possible

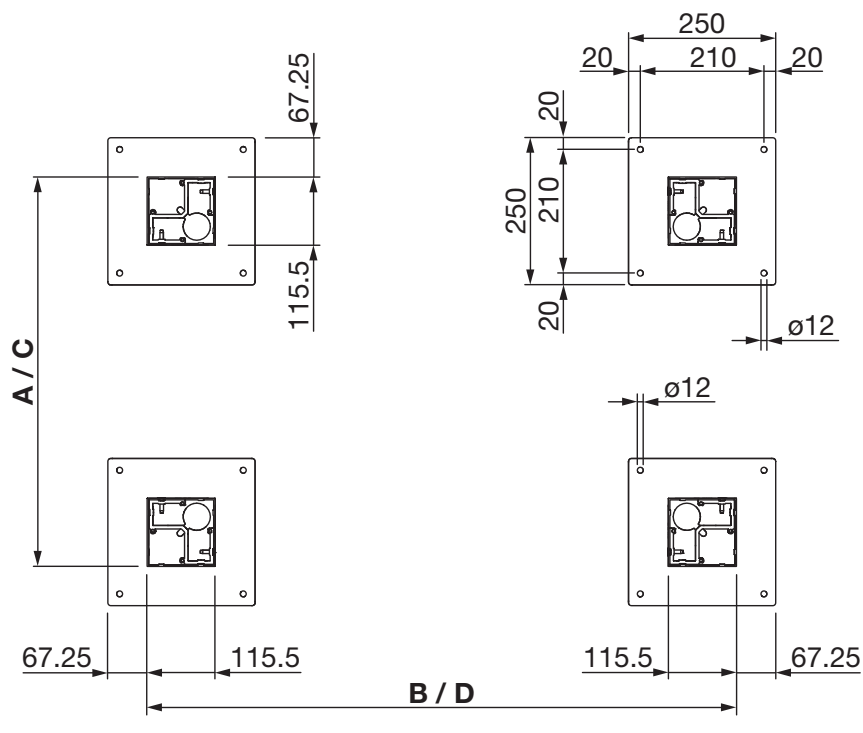


Position M1 + M2, or M3 + M4 possible

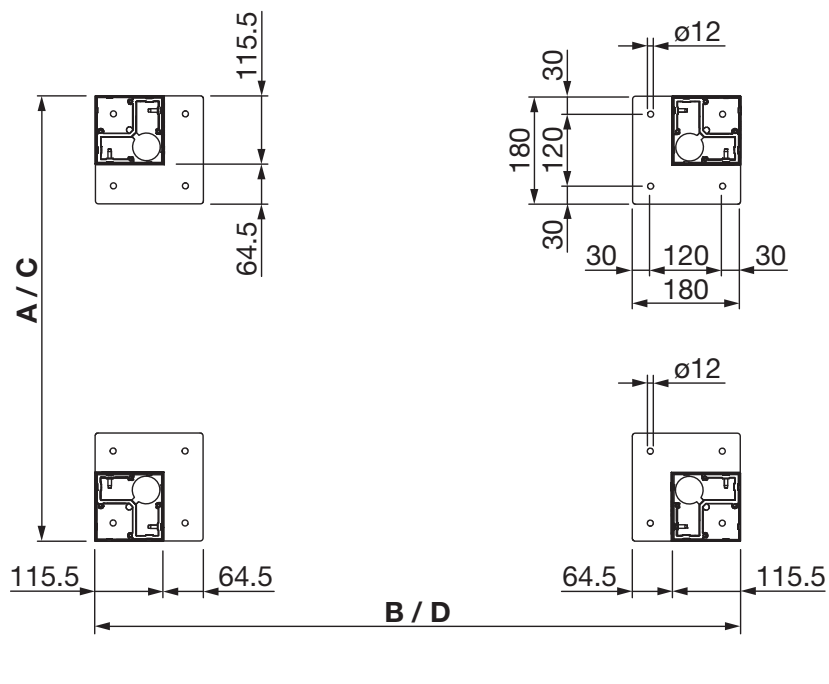
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TP313 Foot plate (Standard)



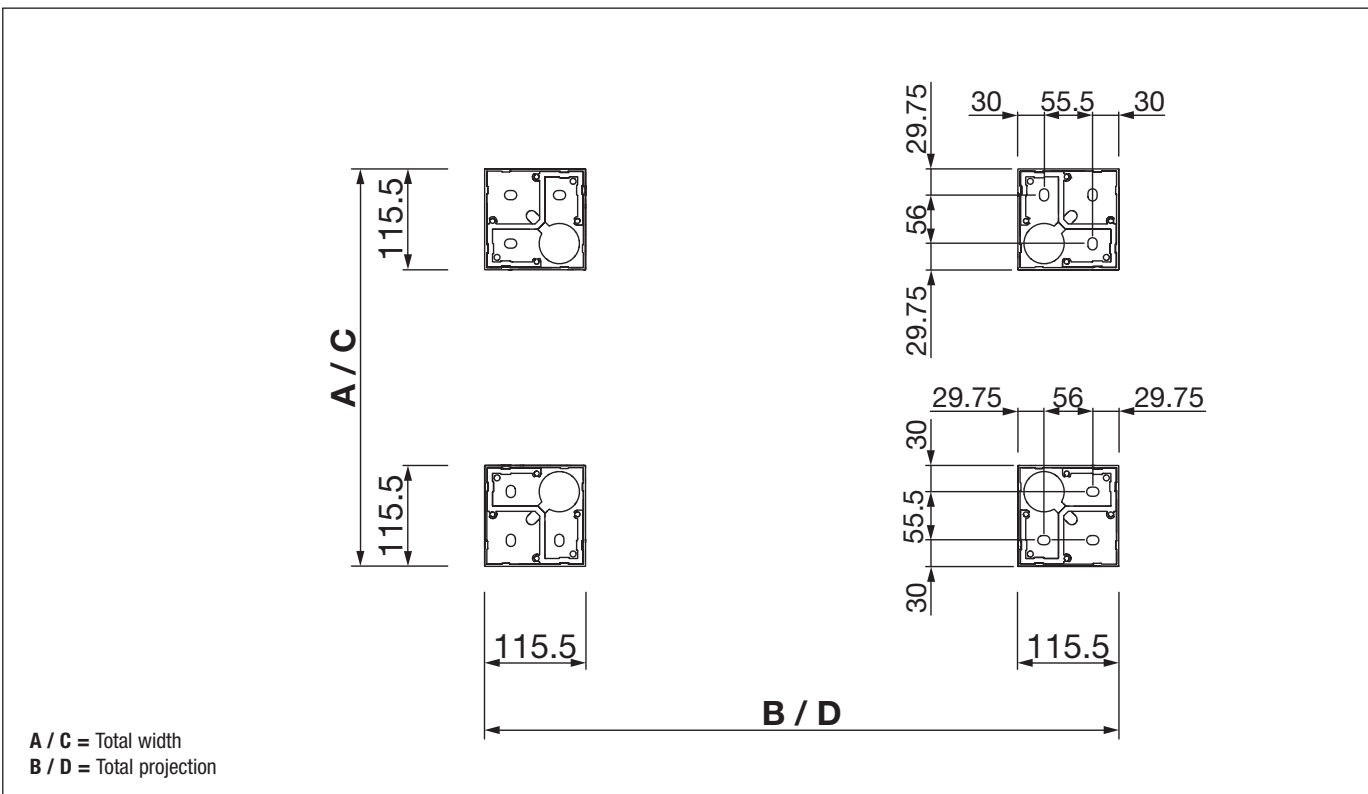
TP319 Foot plate (Corner)



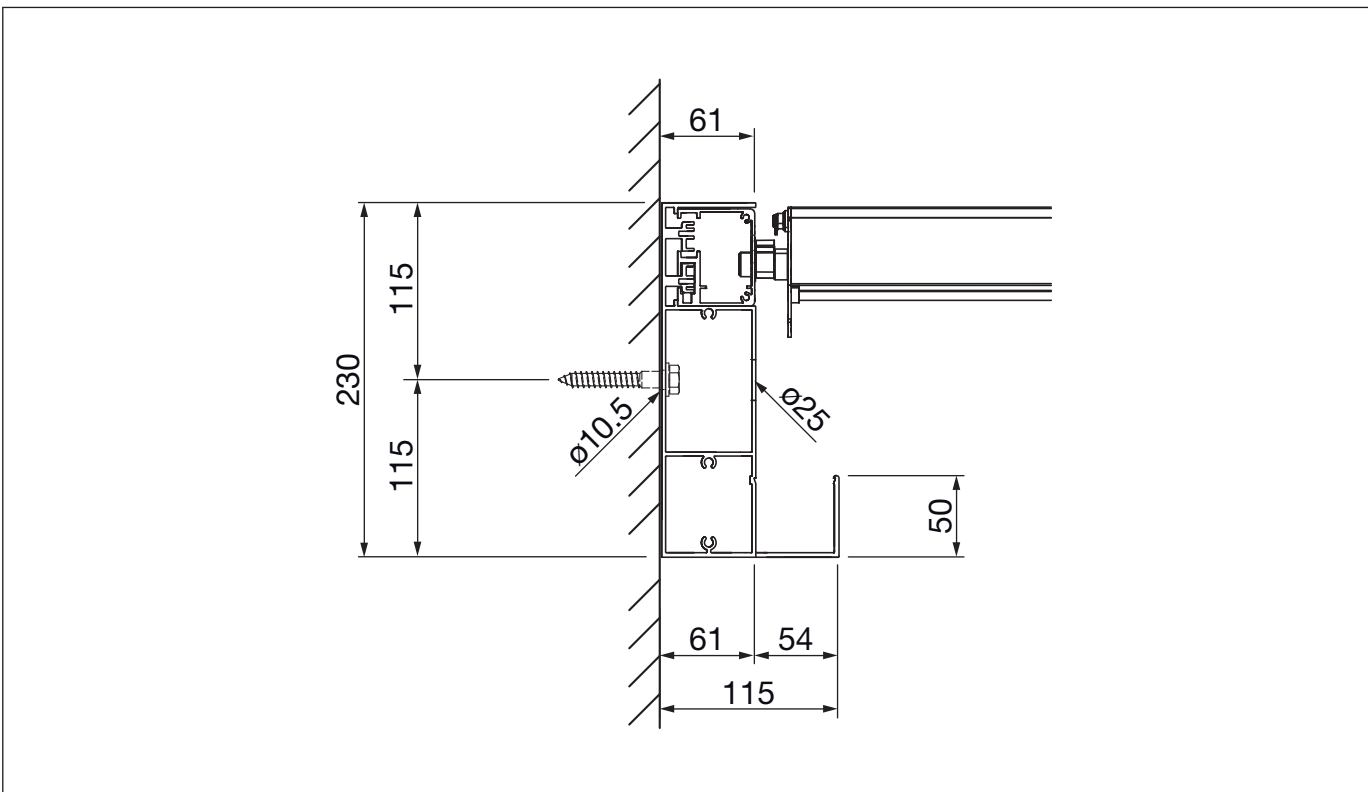
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TP314-1 Foot plate (Balustrade)



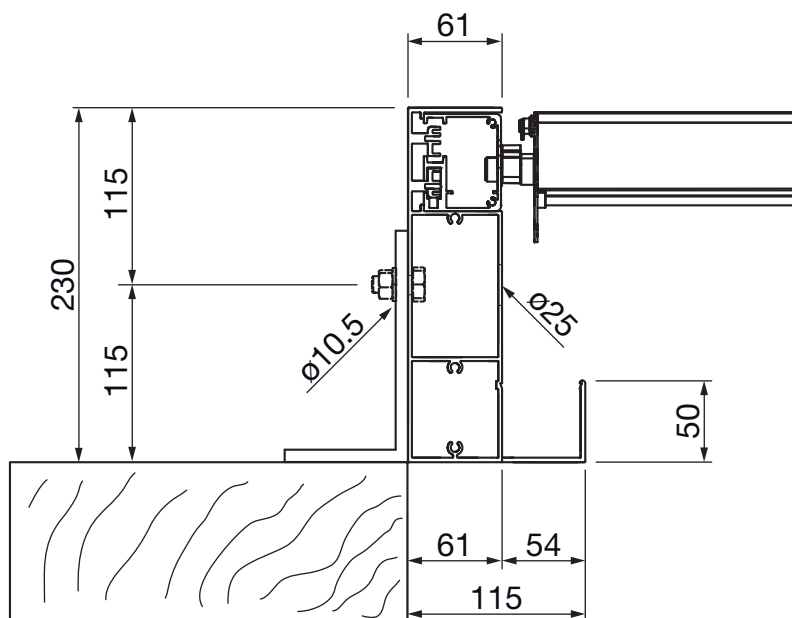
Assembly (on wall)



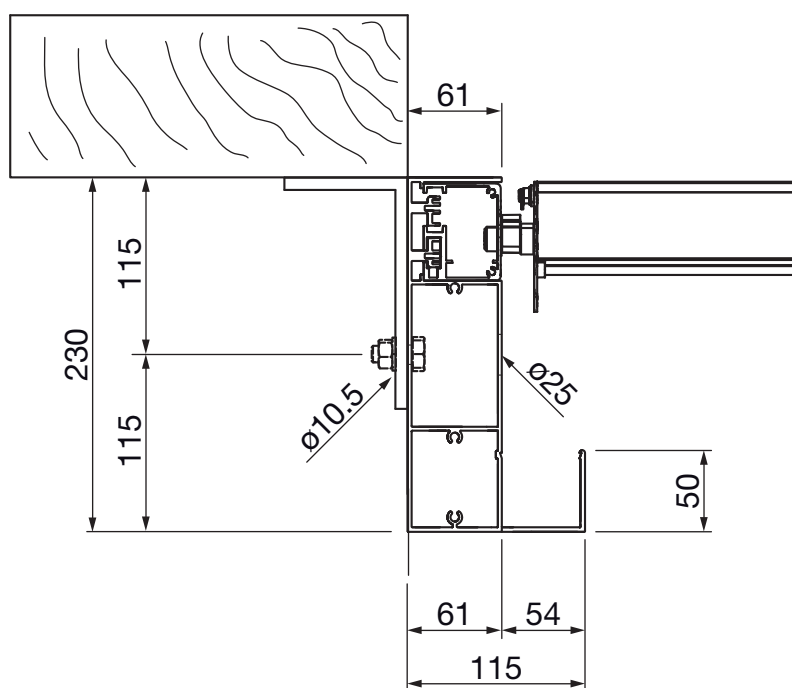
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Assembly (superior)



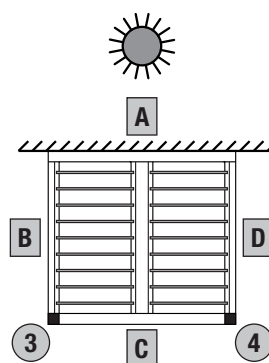
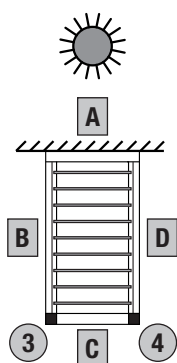
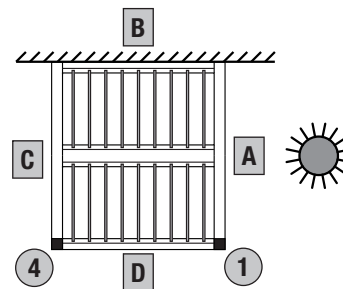
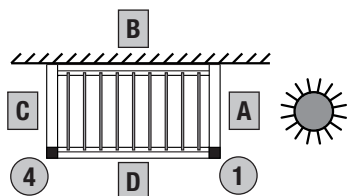
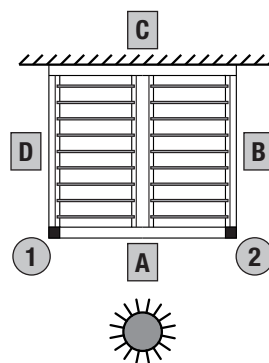
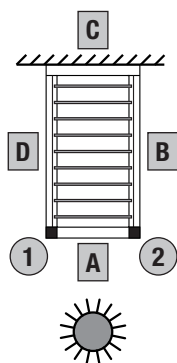
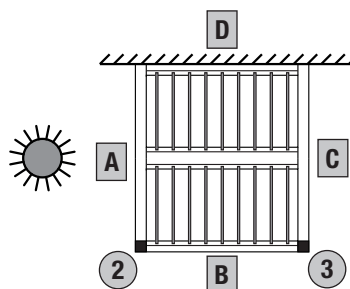
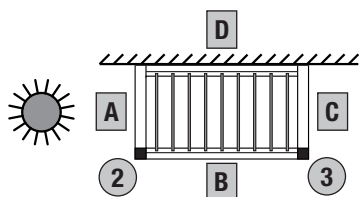
Assembly (suspended)



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Lamella roof

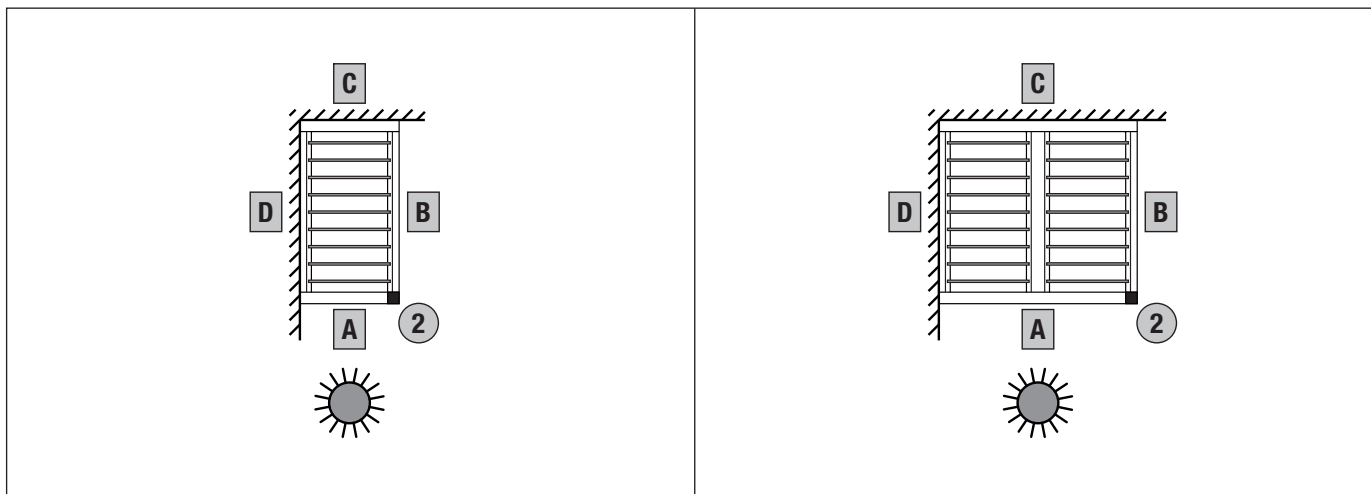
Wall connection variants with 2 support



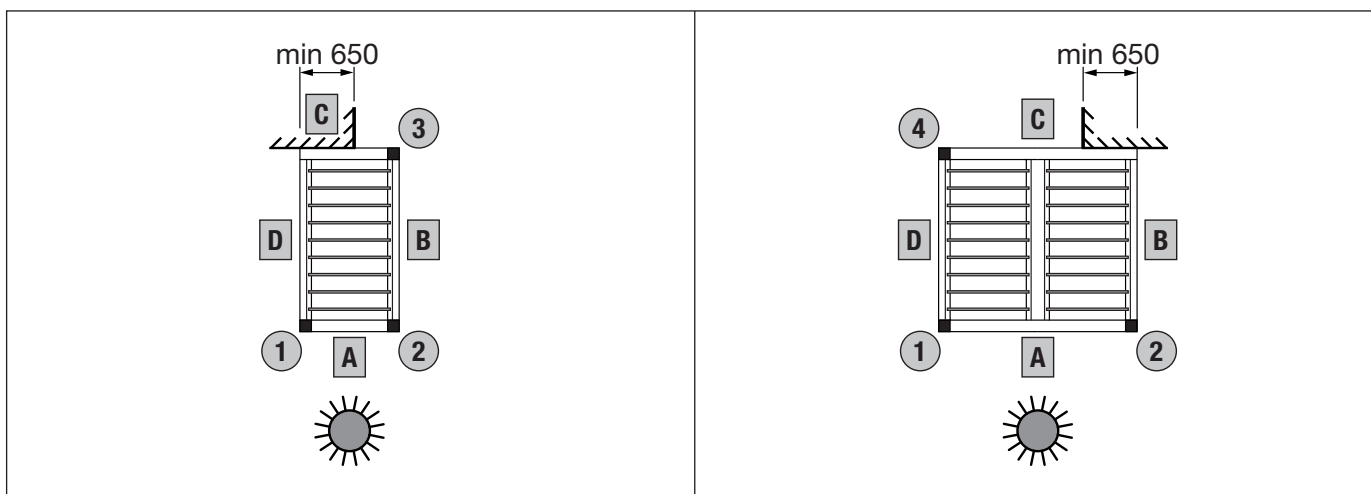
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Lamella roof

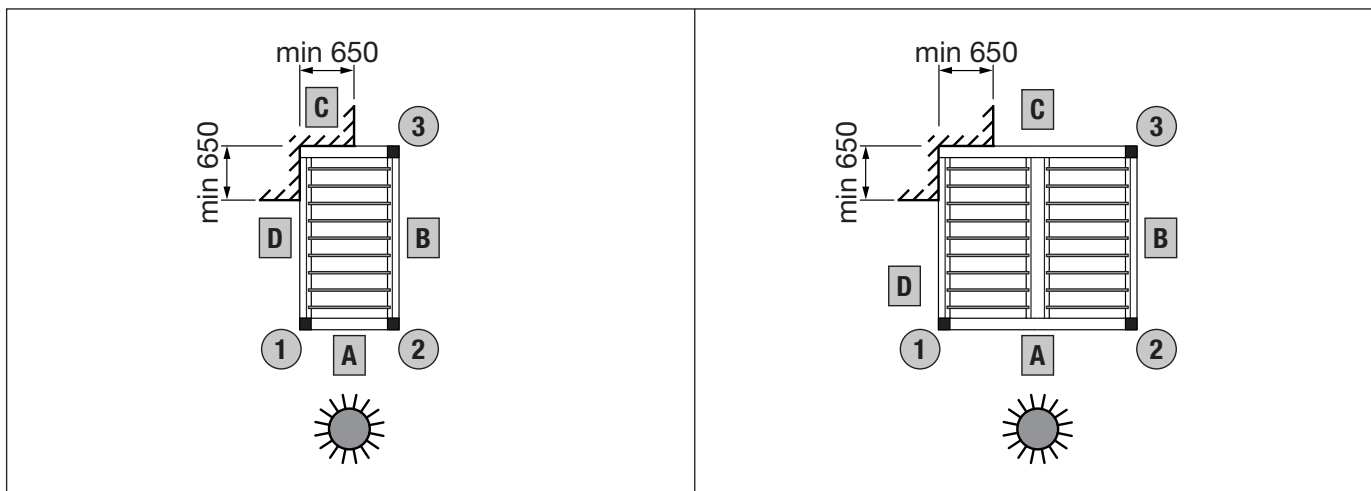
Corner connection on two long walls with 1 support



Wall connection on a shortened wall with 3 supports

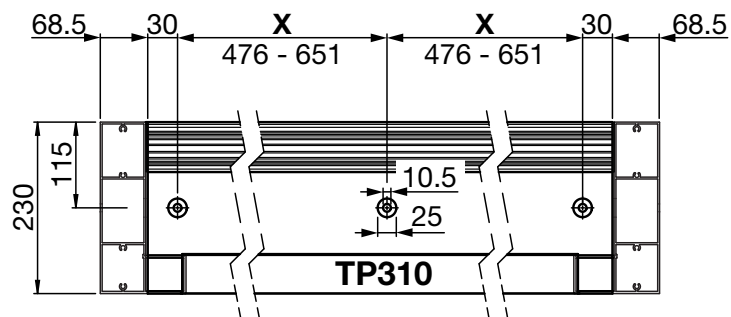


Corner connection on two short walls with 3 supports

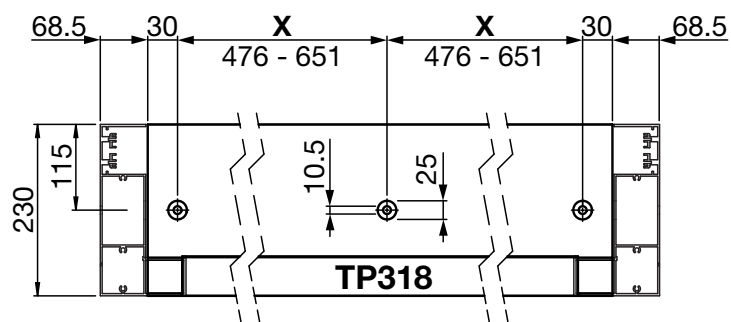


Wall connection mounting (long wall)

Lateral profile with gutter TP310



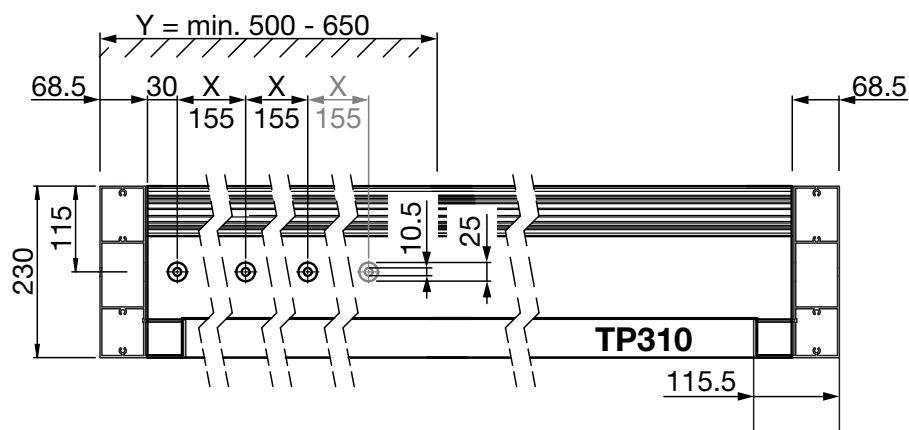
End profile with gutter TP318



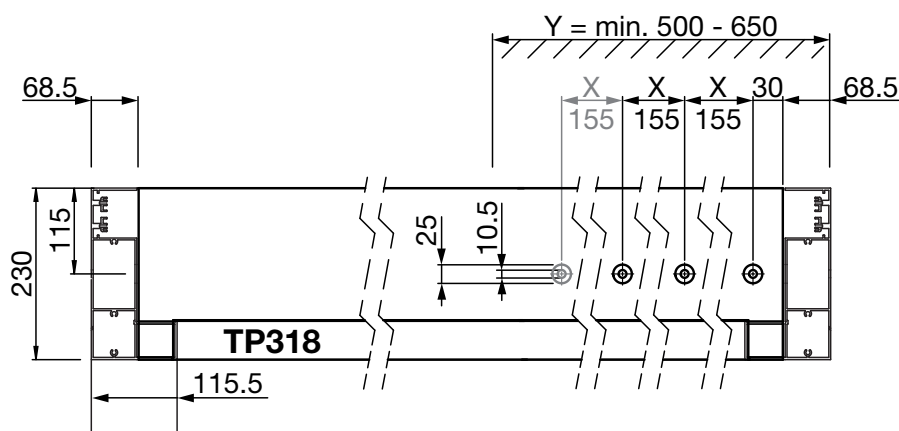
Total width (A / C) Total projection (B - D)	X =	Holes Piece
2000 - 2100 mm	601 - 635 mm	4
2201 - 2800 mm	476 - 651 mm	5
2801 - 3400 mm	521 - 641 mm	6
3401 - 4100 mm	534 - 651 mm	7
4101 - 4700 mm	558 - 644 mm	8
4701 - 5400 mm	563 - 651 mm	9
5401 - 6000 mm	579 - 645 mm	10

Wall connection mounting (short wall)

Lateral profile with gutter TP310 (left / right)



End profile with gutter TP318 (left / right)



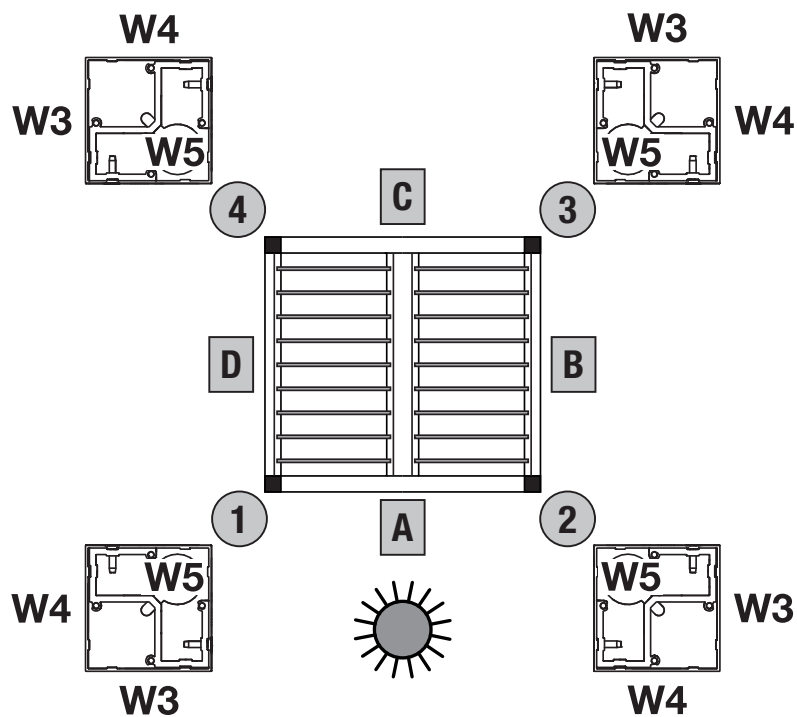
Total width (A / C) Total projection (B - D)	X =	Holes Piece	Y =
2000 - 2500 mm	155 mm	3	500
2501 - 4100 mm	155 mm	4	650
4101 - 6000 mm	155 mm	4	650

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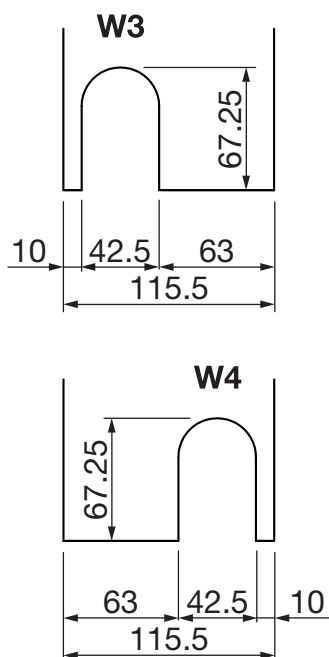
Drainage (W3, W4, W5)

Drainage and power supply in the same column is not possible

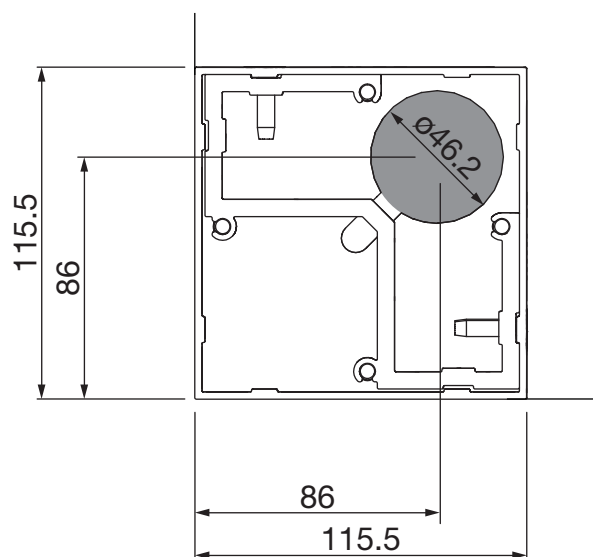


0 – 17 m² lamella surface one drain
17 – 36 m² lamella surfaces two drains

W3, W4 = from the side of the support



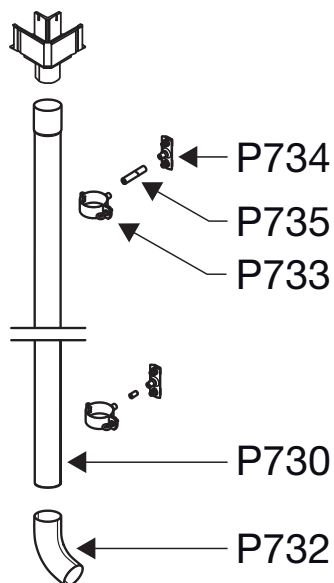
W5 = through the support below



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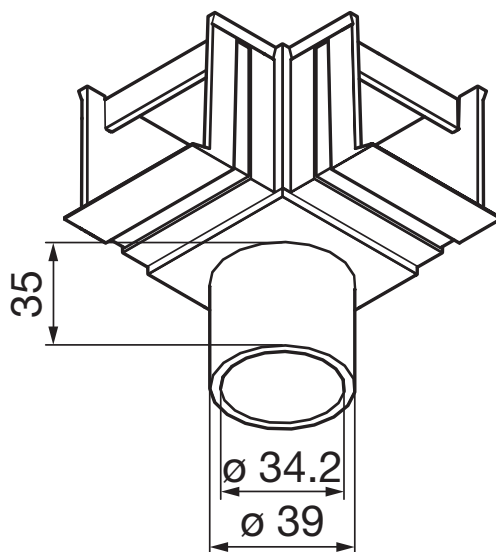
Lamella roof

Drainage (W1)



0 – 17 m² lamella surface one drain
17 – 36 m² lamella surfaces two drains

Drainage (WS TP307)

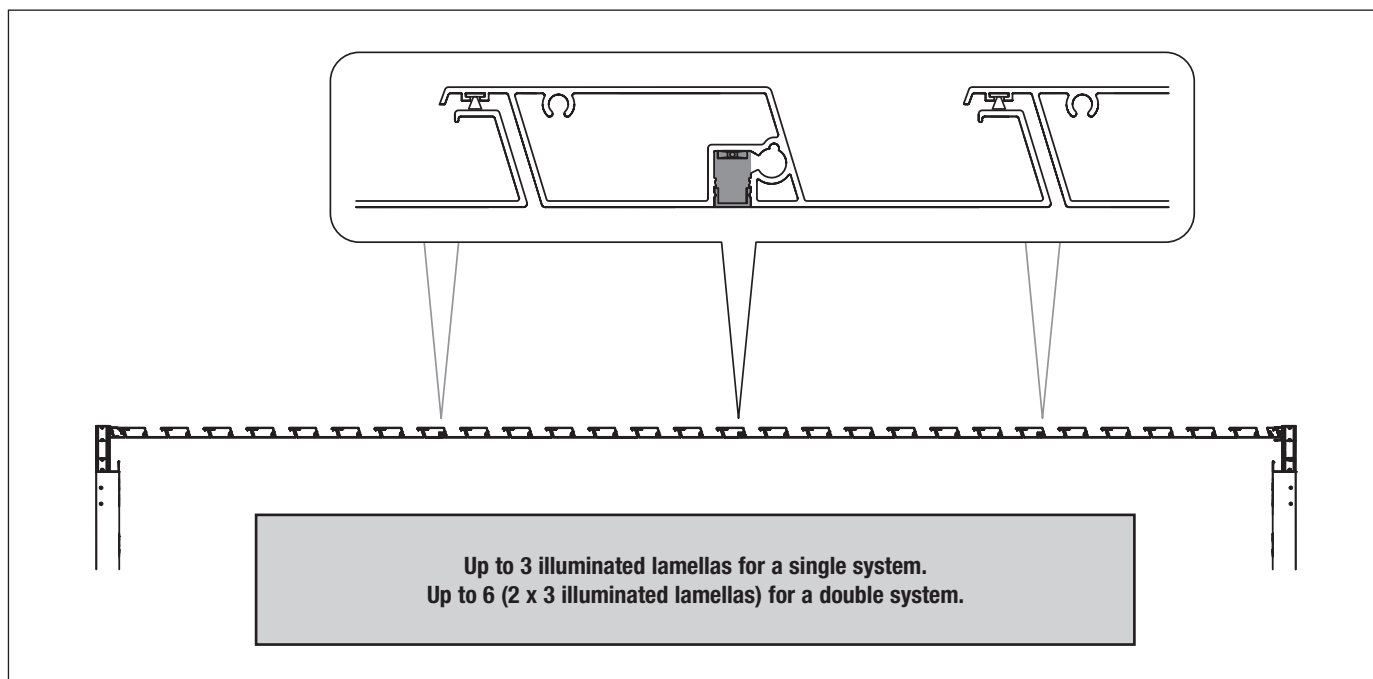


0 – 17 m² lamella surface one drain
17 – 36 m² lamella surfaces two drains

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Lamella roof

Lamella lighting SL100 / SLC100



LED white strips SL115 - SL140

		Total width = 228	278	328	378	428	450 cm
		Lenghts LED Strips = 150	200	250	300	350	400 cm
SL115	1 x 12W = 12W	12W	LED white strips inclusive 600 cm Electrical cable				
	2 x 12W = 24W	12W					
	3 x 12W = 36W	12W					
SL120	1 x 16W = 16W	16W					
	2 x 16W = 32W	16W					
	3 x 16W = 48W	16W					
SL125	1 x 20W = 20W	20W					
	2 x 20W = 40W	20W					
	3 x 20W = 60W	20W					
SL130	1 x 24W = 24W	24W					
	2 x 24W = 48W	24W					
	3 x 24W = 72W	24W					
SL135	1 x 28W = 28W	28W					
	2 x 28W = 56W	28W					
	3 x 28W = 84W	28W					
SL140	1 x 32W = 32W	32W					
	2 x 32W = 64W	32W					
	3 x 32W = 96W	32W					

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Lamella roof

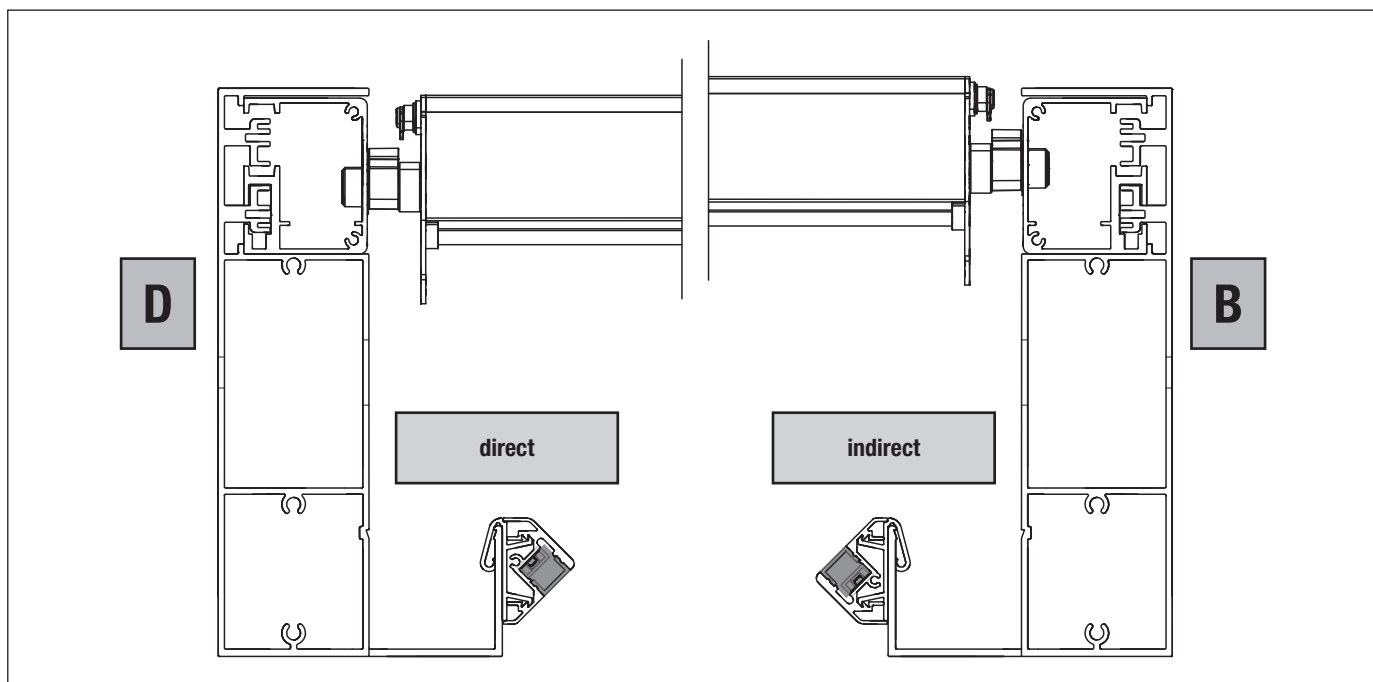
LED RGBW strips SLC115 - SLC140

		Total width = 228	278	328	378	428	450 cm
		Lenghts LED Strips = 150	200	250	300	350	400 cm
SLC115	1 x 21W = 21W	21W	LED RGBW strips inclusive 600 cm Electrical cable				
	2 x 21W = 42W	21W					
	3 x 21W = 63W	21W					
SLC120	1 x 27W = 27W	27W					
	2 x 27W = 54W	27W					
	3 x 27W = 81W	27W					
SLC125	1 x 33W = 33W	33W					
	2 x 33W = 66W	33W					
	3 x 33W = 99W	33W					
SLC130	1 x 39W = 39W	39W					
	2 x 39W = 78W	39W					
	3 x 39W = 117W	39W					
SLC135	1 x 45W = 45W	45W					
	2 x 45W = 90W	45W					
	3 x 45W = 135W	45W					
SLC140	1 x 50W = 50W	50W					
	2 x 50W = 100W	50W					
	3 x 50W = 150W	50W					

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Lamella roof

Optional lighting on the water channel



LED white lighting SL315 – SL355

		Total projection =	200	225	275	325	375	425	475	525	600 cm
		Lengths LED Lighting =	150	200	250	300	350	400	450	500	550 cm
SL315	2 x 12W = 24W	12W									
		12W									
SL320	2 x 16W = 32W	16W									
		16W									
SL325	2 x 20W = 40W	20W									
		20W									
SL330	2 x 24W = 48W	24W									
		24W									
SL335	2 x 28W = 56W	28W									
		28W									
SL340	2 x 32W = 64W	32W									
		32W									
SL345	2 x 36W = 72W	36W									
		36W									
SL350	2 x 40W = 80W	40W									
		40W									
SL355	2 x 44W = 88W	44W									
		44W									

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Lamella roof

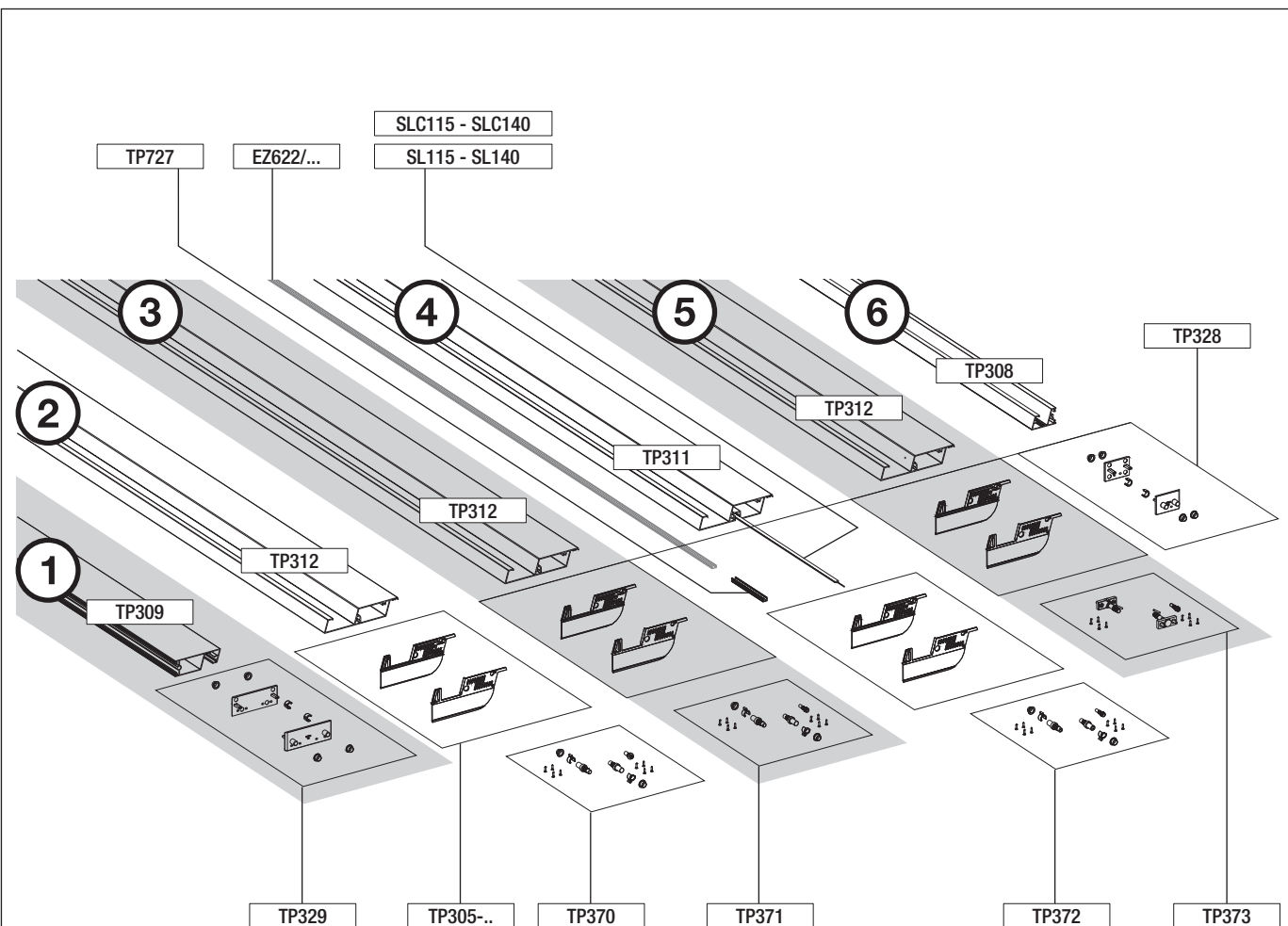
LED RGBW lighting SLC315 – SLC355

		Total projection =	200	225	275	325	375	425	475	525	600 cm
		Lenghts LED Lighting =	150	200	250	300	350	400	450	500	550 cm
SLC315	2 x 21W = 42W	21W									
		21W									
SLC320	2 x 27W = 54W	27W									
		27W									
SLC325	2 x 33W = 66W	33W									
		33W									
SLC330	2 x 39W = 78W	39W									
		39W									
SLC335	2 x 45W = 90W	45W									
		45W									
SLC340	2 x 50W = 100W	50W									
		50W									
SLC345	2 x 55W = 110W	55W									
		55W									
SLC350	2 x 60W = 120W	60W									
		60W									
SLC355	2 x 64W = 128W	64W									
		64W									

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Explanatory drawing slats



LEGEND:

- ① = Compensation slat long
- ② = Drive slat
- ③ = Standard slat
- ④ = Lighting slat
- ⑤ = Safety slat
- ⑥ = Compensation slat short

TP6500

Lamella roof

This diagram illustrates the assembly of a metal roof system. The main assembly shows a series of parallel metal slats (TP315) supported by a frame of vertical posts (TP318) and horizontal rails (TP310, TP710). The slats are secured with fasteners (TP301, TP302, TP320, TP324, TP351). A cross-section view at the bottom details the vertical assembly sequence, showing the following components from top to bottom: TP321, TP317-1, TP307, P713, TP316, TP354-1, TP346, TP356, TP313, TP314/1, and TP319.

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Lamella roof

Components list

TP301		Holder Drive Fittings		pc.
TP302		Carrier fittings		pc.
TP303		Carrier profile		pc.
TP305-..	for TP311, TP312	Fittings Lamella		pc.
TP307		Drip tray fittings (with support)		pc.
TP307-1		Drip tray fittings (without support)		pc.
TP308		Compensation profile, short		pc.
TP309		Compensation profile, long		pc.
TP310		Lateral profile with gutter		pc.
TP311		Lamella with light		pc.
TP312		Lamella without light		pc.
TP313		Foot plate fitting (Standard)		pc.
TP314-1		Foot plate fitting (Flooring covered mounting)		pc.
TP315		Centre profile with gutter		pc.
TP316		Post profile		pc.
TP317-1		Corner cover (with supports)	227.5 mm	pc.
TP317-2		Corner cover (Wall connection)	225 mm	pc.
TP318		End profile with gutter		pc.
TP319		Foot plate fitting (Corner)		pc.
TP321	for TP317-.	End cover fitting		pc.
TP323-2		Corner connection set (with supports)		pc.
TP323-3/1	for corner 1 / 3	Corner connection set		pc.
TP323-4/2	for corner 2 / 4	Corner connection set		pc.
TP324		Drive-cover fittings		pc.
TP325	for TP315	Fittings for centre profile		pc.
TP328	for TP308	Cover fittings for compensation profile, short		pc.
TP329	for TP309	Cover fittings for compensation profile, long		pc.
TP333		Fixing angle set (ceiling, mounted assembly)		pc.
TP335		Cover fitting		pc.
TP346	for TP313	Footplates cover set standard		pc.
TP351		Cover plate		pc.
TP354-1		Water drain bottom large		pc.
TP356	for TP319	Footplates corner cover		pc.
TP368		PUR filter foam, black (water channel)	15 x 51 x 2000 mm	pc.
TP370	for TP312	Drive slat set		pc.
TP371	for TP312	Slat set		pc.

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TP372	for TP311	Lighting slat set		pc.
TP373	for TP312	Slat lock set		pc.
TP710	for TP310	Guide profile		pc.
TP727	for TP311	Internal cover profile		lm
P703	for P713	Hose clip		pc.
P713		Hose		lm
P730		Roof drain pipe		pc.
P731	for P730	Roof drain angle bracket 85°		pc.
P732	for P730	Roof drain bend 70°		pc.
P733	for P730	Drain pipe clamp		pc.
P734	for P730	Base plate		pc.
P735	for P730	Treaded bar		lm
S359		AV plastic cover		pc.
	for TP316	Torx screw cover set		pc.
	black	GYSO-Unisilicon 707	90 ml	pc.
TP320		Motor drive		pc.
PERGOLA TILT io		Control unit PERGOLA Tilt io		pc.
EZ622/150 EZ622/200 EZ622/250 EZ622/300		Plastic cover	150 cm 200 cm 250 cm 300 cm	pc. pc. pc. pc.
EZ6060 EZ6099		Insert 1 drive	on/off Radio io	pc. pc.
EZ6071 EZ6100		Insert 2 drive	on/off Radio io	pc. pc.
EZ6101 EZ6102	LED white	Insert 1 drive, 1 Lighting LED white	Radio io 90 W Radio io 120 W	pc. pc.
EZ6103 EZ6104 EZ6105	LED RGBW	Insert 1 drive, 1 Lighting LED RGBW	80 W 150 W 240 W	pc. pc. pc.
EZ6106 EZ6107	LED white	Insert 2 drive, 1 Lighting LED white	Radio io 90 W Radio io 120 W	pc. pc.
EZ6108 EZ6109 EZ6110	LED RGBW	Insert 2 drive, 1 Lighting LED RGBW	80 W 150 W 240 W	pc. pc. pc.
EZ6063 EZ6064 EZ6065 EZ6066	LED white	Insert lighting LED white	on/off 90 W on/off 120 W Radio io 90 W Radio io 120 W	pc. pc. pc. pc.
EZ6083 EZ6084 EZ6085	LED RGBW	Insert RGBW	80 W 150 W 240 W	pc. pc. pc.

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SL115 SL120 SL125 SL130 SL135 SL140		LED white strips inclusive 600 cm Electrical cable	150 cm 200 cm 250 cm 300 cm 350 cm 400 cm	pc. pc. pc. pc. pc. pc.
SLC115 SLC120 SLC125 SLC130 SLC135 SLC140		LED RGBW strips inclusive 600 cm Electrical cable	150 cm 200 cm 250 cm 300 cm 350 cm 400 cm	pc. pc. pc. pc. pc. pc.
SL315 SL320 SL325 SL330 SL335 SL340 SL345 SL350 SL355		SL300 LED white lighting complete	150 cm 200 cm 250 cm 300 cm 350 cm 400 cm 450 cm 500 cm 550 cm	pc. pc. pc. pc. pc. pc. pc. pc. pc.
SLC315 SLC320 SLC325 SLC330 SLC335 SLC340 SLC345 SLC350 SLC355		SLC300 RGBW LED lighting complete	150 cm 200 cm 250 cm 300 cm 350 cm 400 cm 450 cm 500 cm 550 cm	pc. pc. pc. pc. pc. pc. pc. pc. pc.

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Lamella roof

TP301



TP307-1



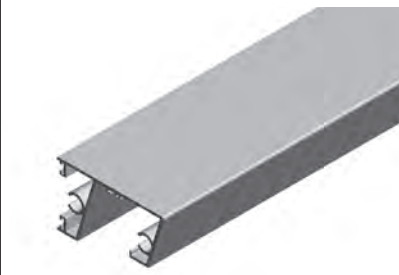
TP312



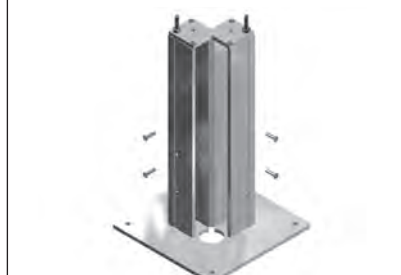
TP302



TP308



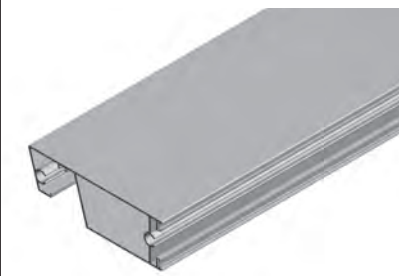
TP313



TP303



TP309



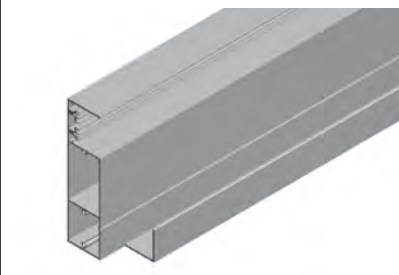
TP314-1



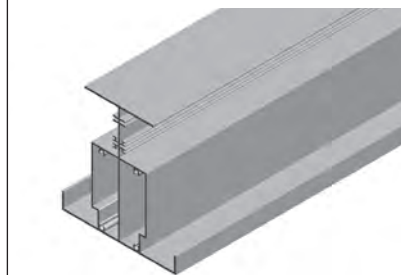
TP305-..



TP310



TP315



TP307



TP311



TP316



BAVONA TP6500 HARDTOP

Lamella roof

TP317-1 / TP317-2



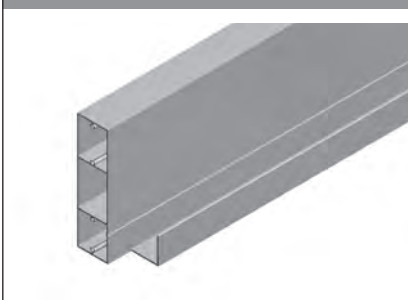
TP323-3/1



TP329



TP318



TP323-4/2



TP333



TP319



TP324



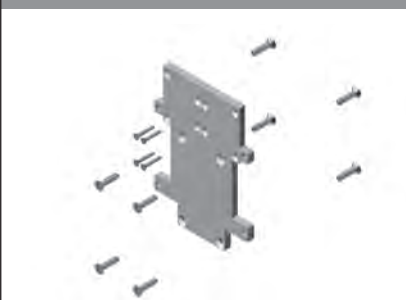
TP335



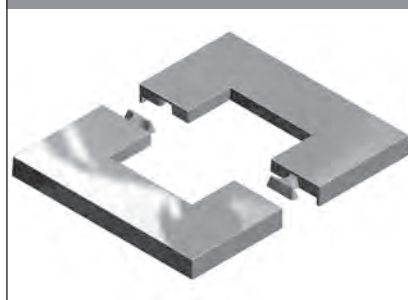
TP321



TP325



TP346



TP323-2



TP328



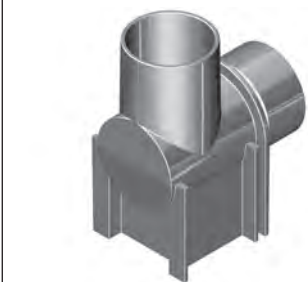
TP351



BAVONA TP6500 HARDTOP

Lamella roof

TP354-1



TP372



P713



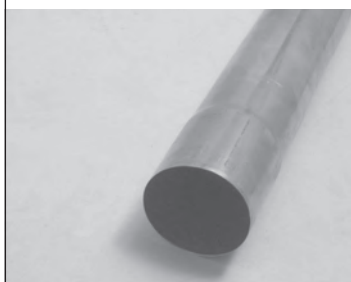
TP356



TP373



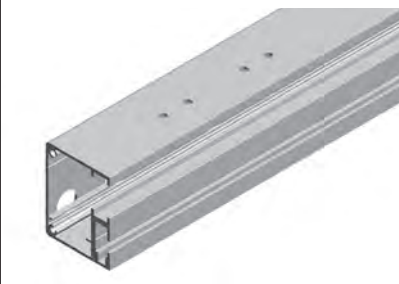
P730



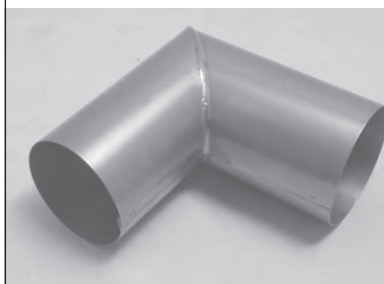
TP368



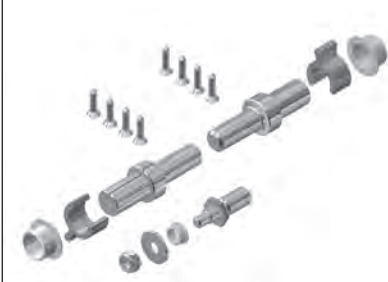
TP710



P731



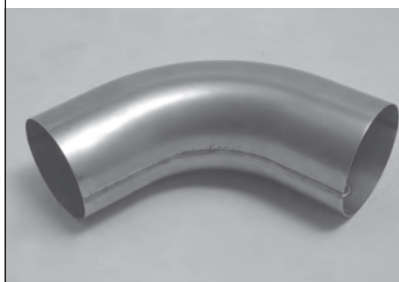
TP370



TP727



P732



TP371



P703



P733



BAVONA TP6500 HARDTOP

Lamella roof

P734



TP320



EZ6101 / EZ6102



P735



PERGOLA TILT io



EZ6103 - EZ6105



S359



EZ622/...



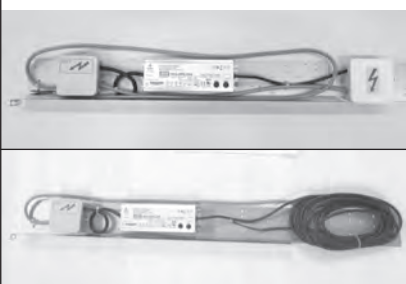
EZ6106 - EZ6107



Screw cover



EZ6060 / EZ6099



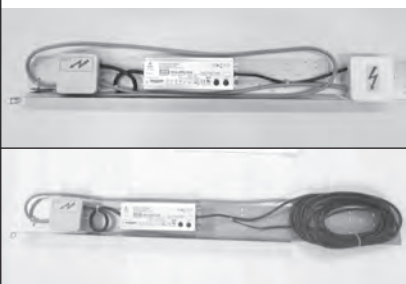
EZ6108 - EZ6110



GYSO-Unisilicon 707



EZ6071 / EZ6100



EZ6063 - EZ6066



BAVONA TP6500 HARDTOP

Lamella roof

EZ6083 - EZ6085



SL / SLC115 - 140



SL / SLC315 - 355

