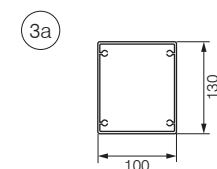
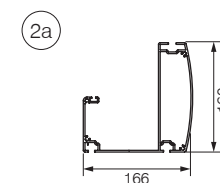
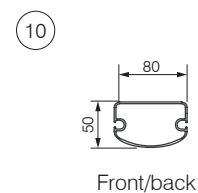
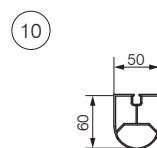
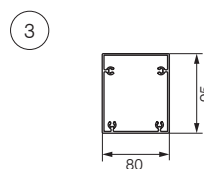
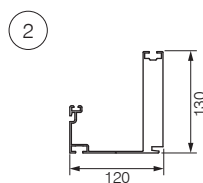
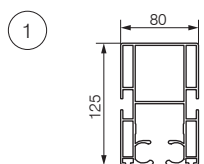
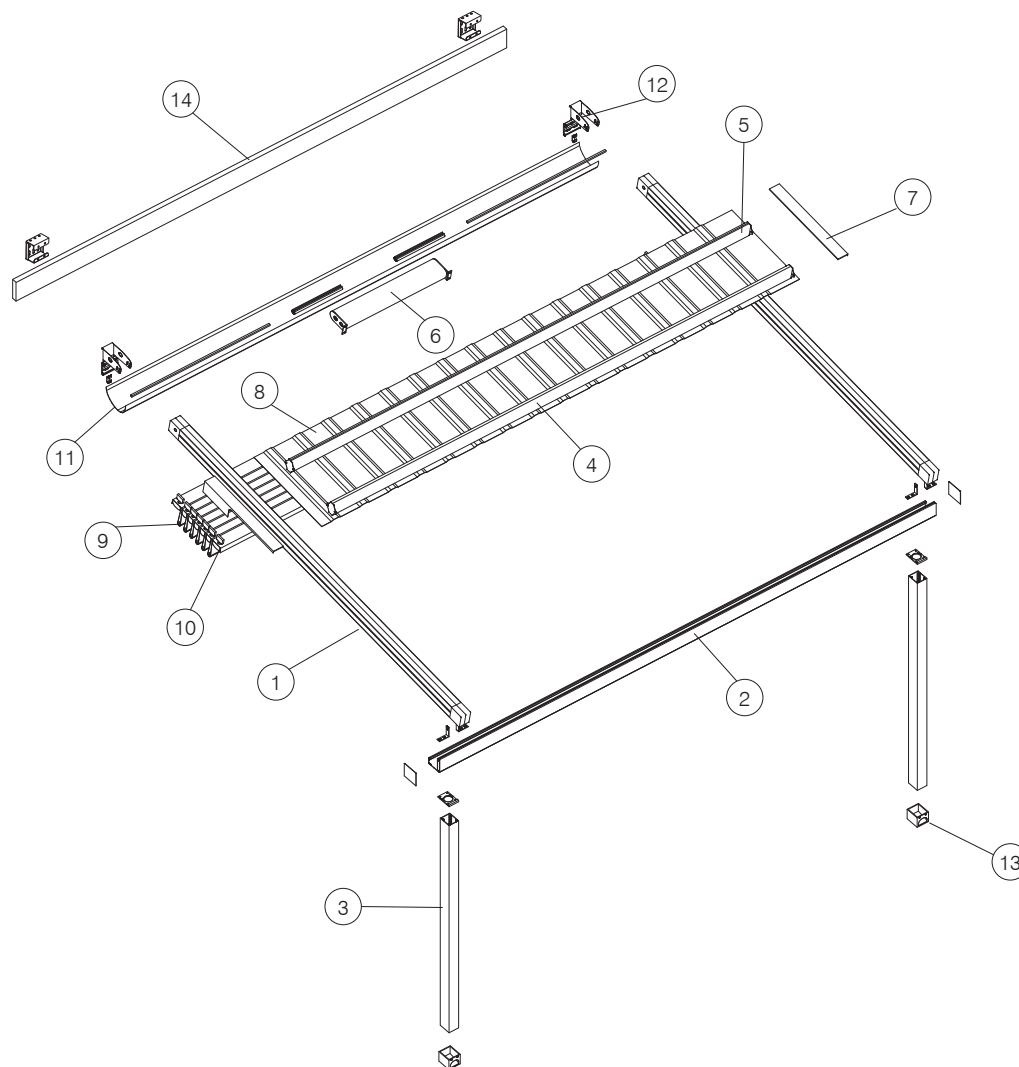


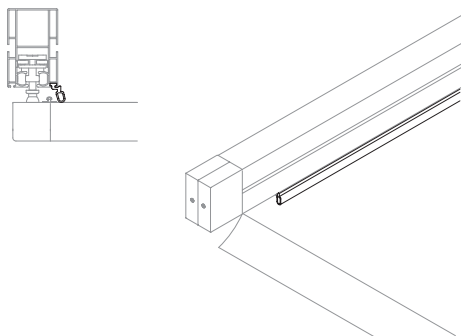


All Seasons | NOVO Series HS12 | Technical Specifications

- ① Rafter profile 80x125mm
- ② Front beam / gutter 120x130mm
- ③ Post 80x95mm
- ④ Hood support
- ⑤ Motor support
- ⑥ Motor box
- ⑦ Hood end
- ⑧ Hood sheet
- ⑨ Fabric
- ⑩ Fabric profile
- ⑪ Motor flap
- ⑫ Wall bracket
- ⑬ Post base
- ⑭ **Optional** back beam & brackets

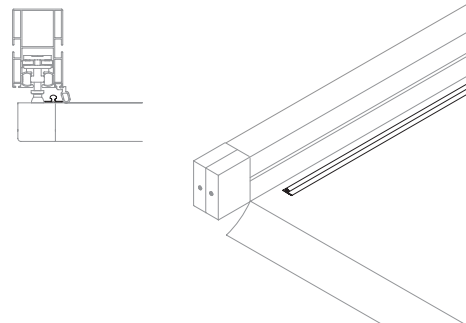


Optional front beam / gutter & post upgrade sizes



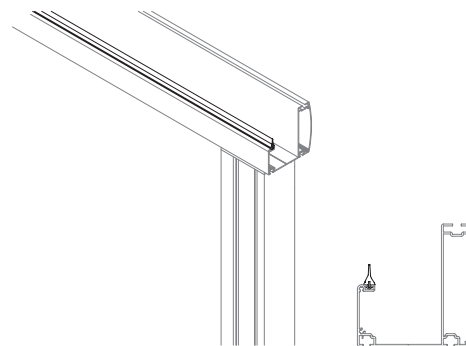
Rafter rubber seal

The rafter rubber seal is integrated into the edge of the rafter to help stop water dripping over the edge of the fabric by providing a soft barrier along the side of the system.



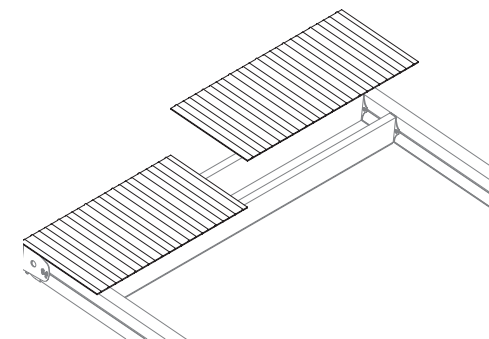
Fabric tube spline rib

The fabric tube spline rib is used in conjunction with the rafter rubber seal when systems are side by side to offer a greater protection from water dripping between systems. Fixed to the top side of the fabric the tube spline rib folds in and out with the system to create a second water barrier.



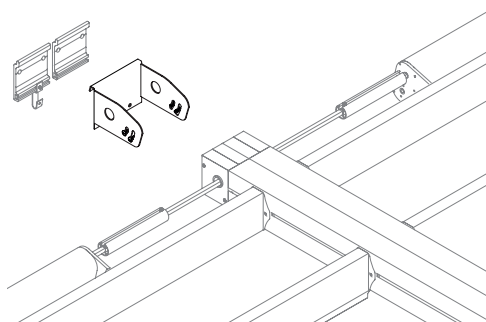
Gutter seal

The gutter seal is designed to assist the fabric to come as close as possible to the gutter profile when in the extended position. The seal helps prevent water leaks at the front of the system or water splashing from the gutter.



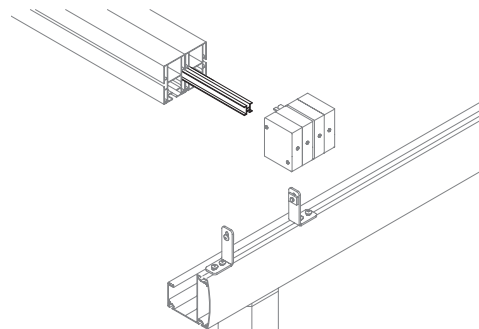
Aluminium hood sheets

The pressed aluminium sheets offer an attractive cover for when the system is retracted back and not in use. The low-profile sheet is colour matched to the system and ensures the fabric stays clean from above when not extended.



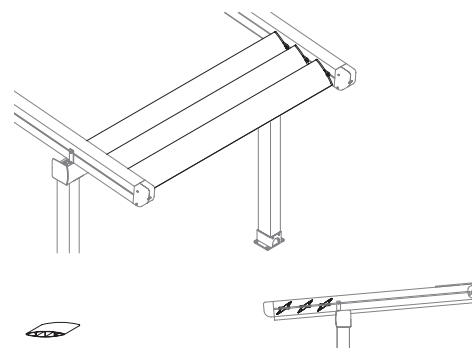
Double rafter wall bracket

Double rafter wall bracket enables two rafter profiles to be joined at the back by one bracket making installation possible with less of a gap between rafter profiles



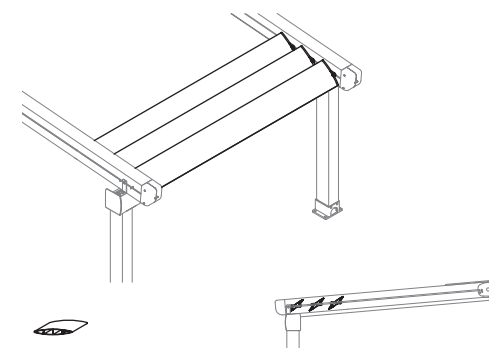
Rafter joining profile

The rafter joining profile is a patented system used when joining two rafters side by side for reduction in water leaks and reduced overall gap between systems.



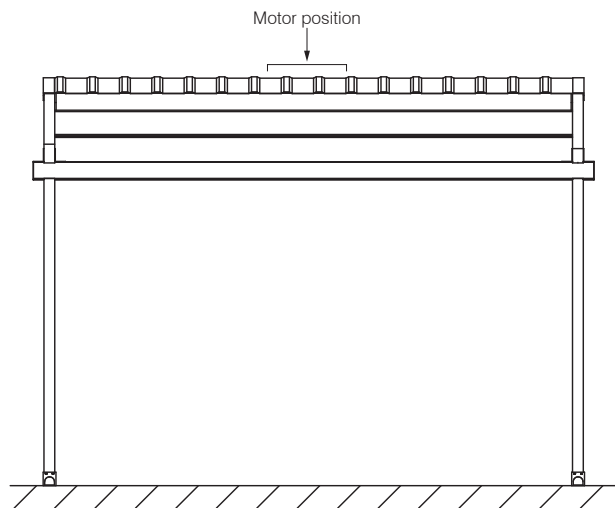
Aerofoil louvres (Extended)

Additional short length of rafter profile may be added to the order projection to incorporate aerofoil louvre fins for extra shade and an architectural edge

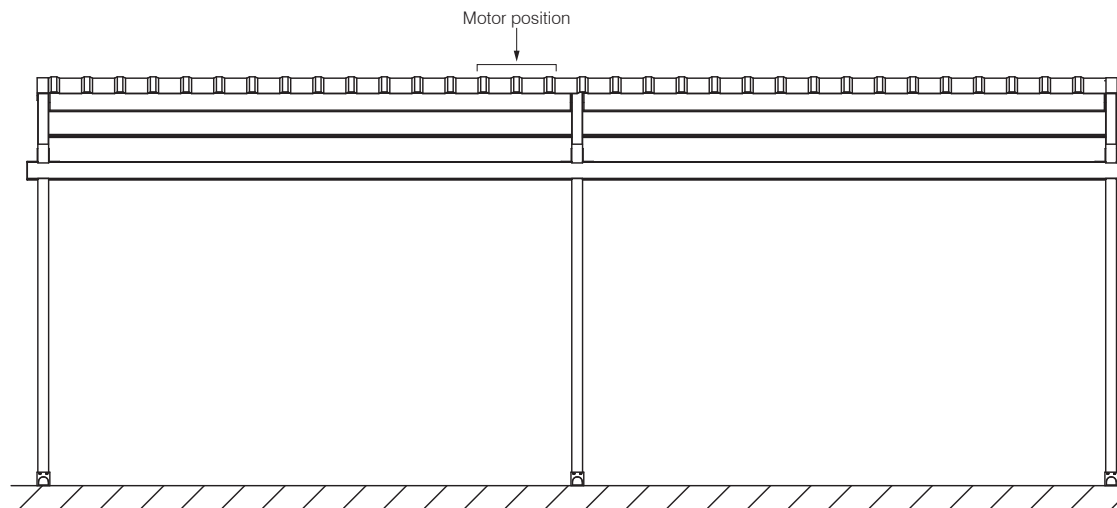


Aerofoil louvres (Internal)

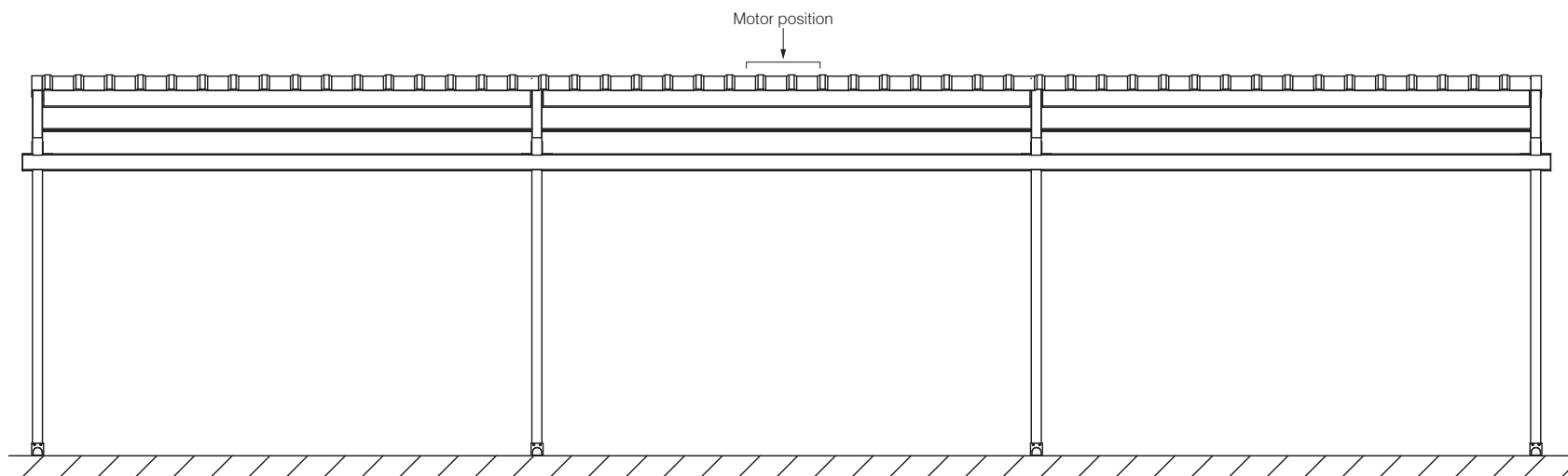
Aerofoil louvre fins for shade and design may be added within the existing projection.



Single system – max 4.5m wide

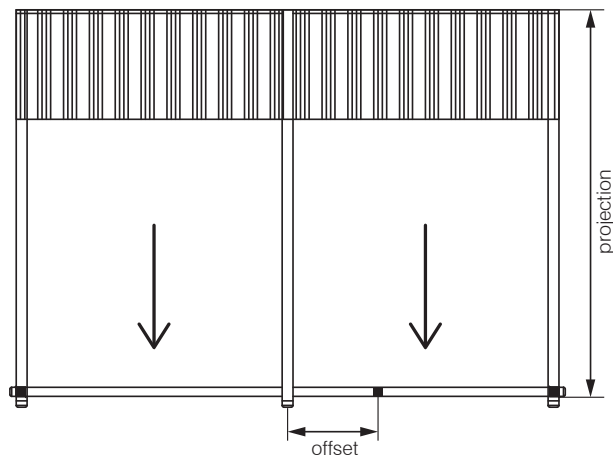


Twin field system – max 9m wide



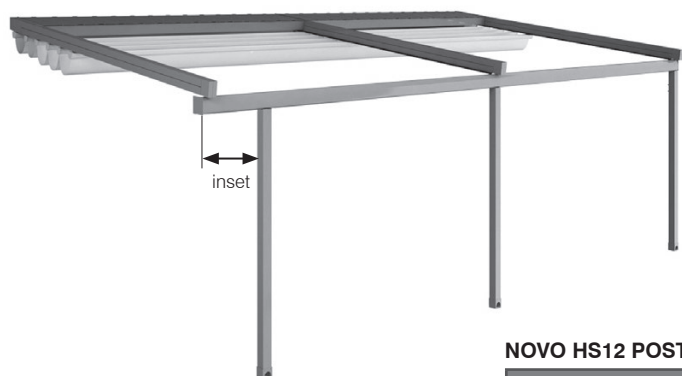
Triple field system – max 13m wide

Standard post placement options



OFFSET MIDDLE POST WITHOUT BEAM UPGRADE

Projection (m)	Maximum offset (mm)
3.00	700
4.00	600
5.00	500
6.00	400
7.00	300



NOVO HS12 POST INSET

Projection (m)	Maximum inset (mm)
3.00	500
4.00	450
5.00	400
6.00	350
7.00	300

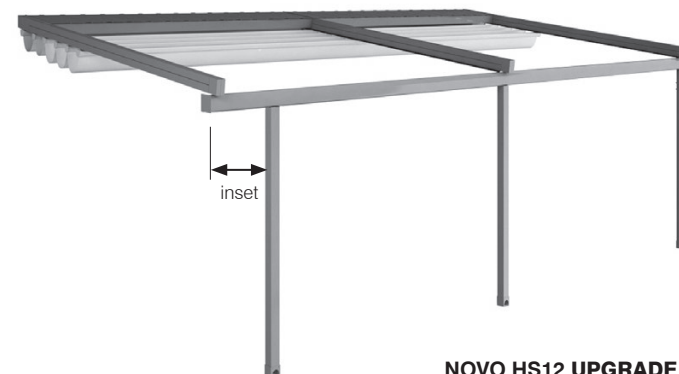
Post / front beam upgrade options



FRONT BEAM SPAN WITHOUT MIDDLE POST

Projection (m)	Maximum span (m)
6.00	6.00

(Only possible with post / beam upgrade on HS12 NOVO)



NOVO HS12 UPGRADE POST INSET

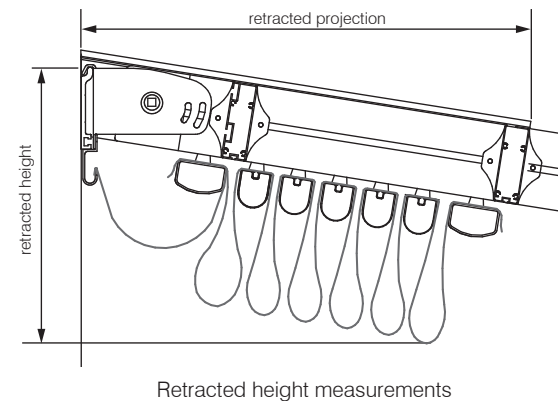
Projection (m)	Maximum inset (mm)
3.00	950
4.00	900
5.00	850
6.00	800
7.00	750

(Only possible with post / beam upgrade on HS12 NOVO)

NOVO HS12 RETRACTED SYSTEM DIMENSIONS AT 10°

No of fabric profiles	System projection (m)												Retracted fabric (mm)
	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
4	358												504
5	321	385											564
6	303	355	406										624
7		338	381	424									684
8			366	402	439								745
9				389	421	453							805
10					410	438	467						865
11						428	454						925
12							445	469					985
13								461	483				1045
14								457	476	497			1105
15									473	491	510		1165
16										488	505	522	1225
17											503	519	1285
18												517	1345
Retracted height at 10° angle (mm)													

Bold figures indicate the retracted height of fabric if the standard number of profiles for this size / angle are used. A reduction in height can be achieved by adding extra fabric profiles, which will attract a surcharge.

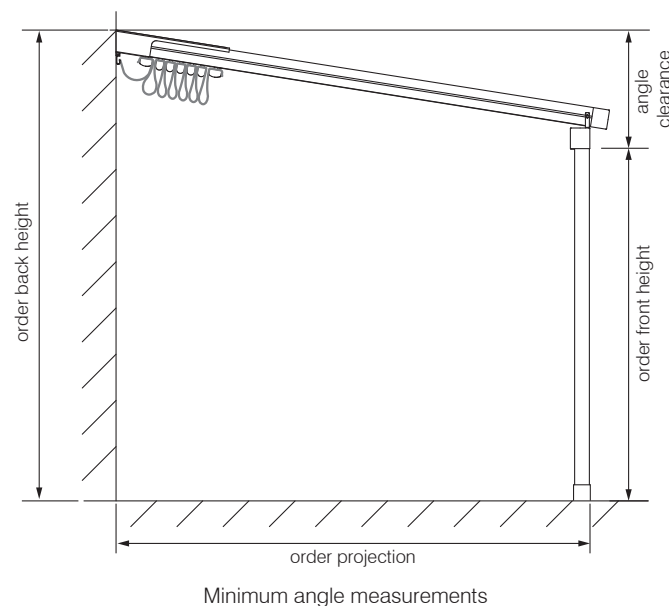


NOVO HS12 MINIMUM ANGLE CHART FOR WATER RUN OFF

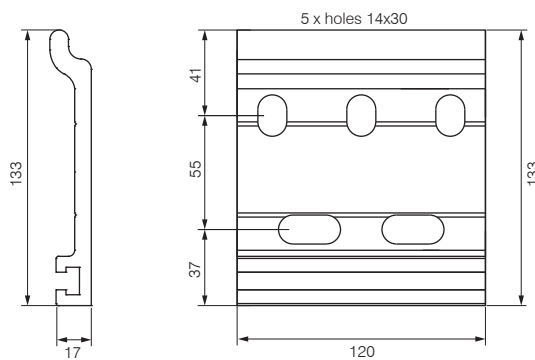
Rafter spacing (m)	Projection (m)										Angle
	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
2.00	435	470	505	540	575	610	645	680	715	750	4°
2.50	478	521	565	608	652	695	739	782	826	869	5°
3.00	523	575	628	680	733	785	838	890	943	995	6°
3.50	610	680	750	820	890	960	1030	1100	1170	1240	8°
4.00	655	734	813	892	971	1050	1129	1208	1287	1366	9°
4.50	700	788	876	964	1052	1140	1228	1316	1404	1492	10°
Angle clearance (mm)											

HS12 Order front height

Maximum standard post height 2.8m. Upgrade to custom steel posts for increased height available on application, subject to site specific details and installation requirements.



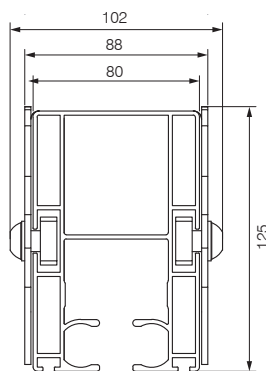
Wall bracket



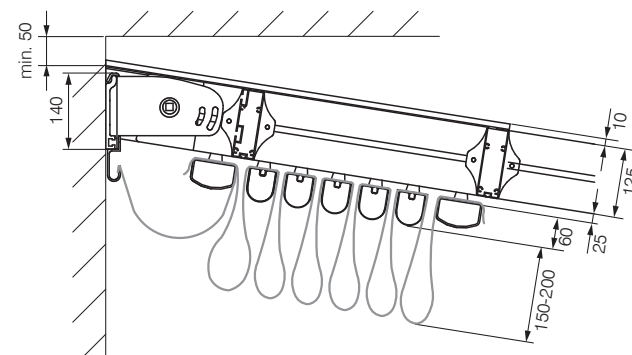
Installation bracket

* Custom lengths
available on request

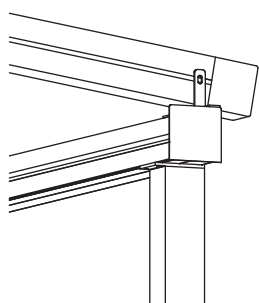
Hang bracket / bracket width



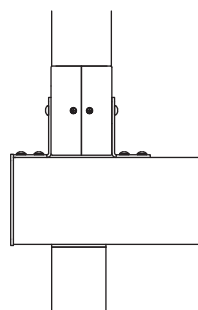
Retracted height detail



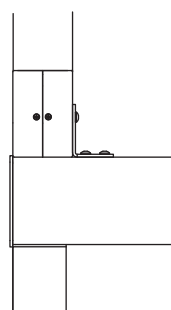
Rafter detail



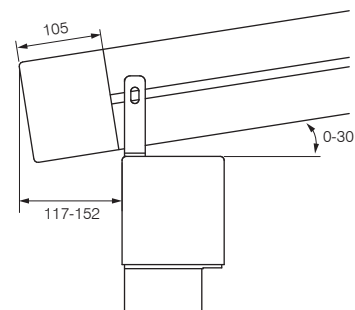
Front gutter view



Standard rafter detail

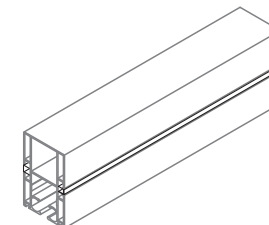
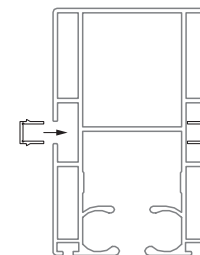


Optional flush rafter detail



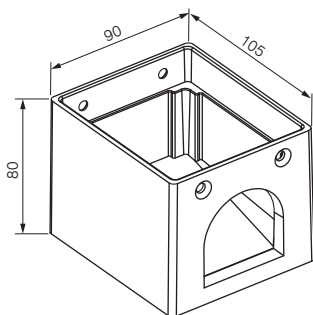
Front rafter angle

Rafter side inserts

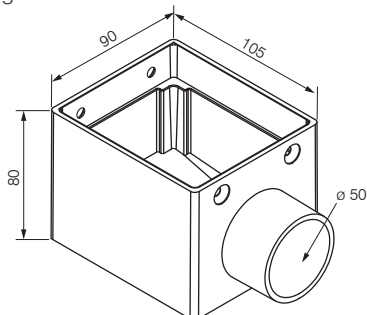


Post base

* Base has 2 x 13Ø
holes for fixing down



Standard post base

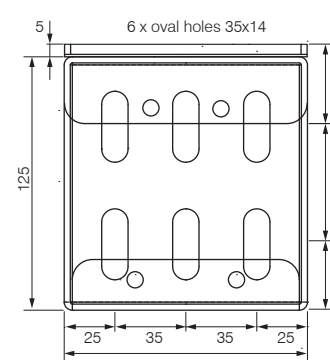
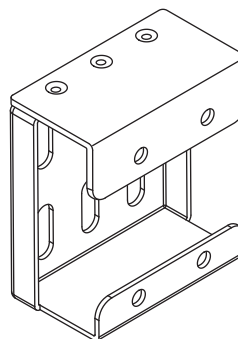


Optional spout post base

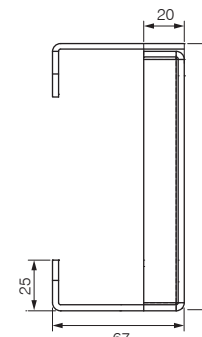


Post base detail

Optional back beam bracket



Front view



Side view

FABRIC COLOURS

Translucent LAC650



HS114 White



HS7462 Champagne



HS7458 Beige Champagne



HS7409 Beige



HS7534 Taupe



HS654 Silver



HS7652 Grey



HS7419 Slate



HS7456 Yellow



HS7500 Hot Pink



HS7507 Red



HS941 Ocean Blue

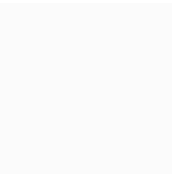


HS995 Federation Green

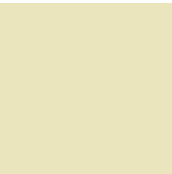


HS810 Black

Sunblock

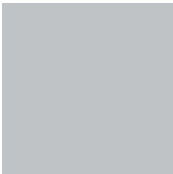


HS7279 White



HS7398 Champagne

Plain



HS654 Grey

Sunblock



HS7463 White-Grain



HS7464 Champagne-Grain

Grain



HS7469 Grey-Grain

Sunblock



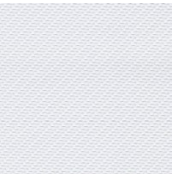
HS7481 White-3D



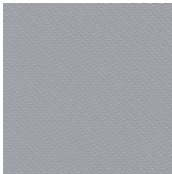
HS7482 Champagne-3D

3D

Sunblock



HS7543 White-HB



HS7545 Grey-HB

Herringbone

Sunblock



HS7511 Cream-MS





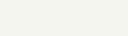









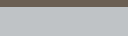



















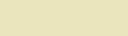

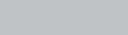

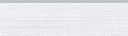





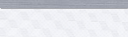















HS7510 Taupe-MS

Mosaic



HS7512 Grey-MS

Fabric colour					
<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>Solar reflection</div> <div>Solar absorbance</div> <div>Thermal comfort</div> <div>Solar transmittance</div> </div>					
Translucent (680g/sqm)					
	HS114	78	12		10
	HS7462	73	16		9
	HS7458	68	24		5
	HS7409	9	90		0
	HS7534	14	86		0
	HS654	46	54		0
	HS652	26	74		0.1
	HS7419	6	94		0
	HS7456	53	35		7
	HS7500	47	42		0.7
	HS7507	24	71		0.2
	HS941	27	66		0
	HS995	22	72		0.1
	HS810	5	95		0
Sunblock (850g/sqm)					
	HS7279	72	28		0
	HS7398	68	32		0
	HS654	45	55		0
	HS7463	72	28		0
	HS7464	68	32		0
	HS7469	45	55		0
	HS7481	72	28		0
	HS7482	68	32		0
	HS7543	72	28		0
	HS7545	45	55		0
	HS7511	68	32		0
	HS7510	16	84		0
	HS7512	45	55		0