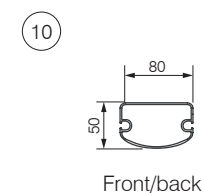
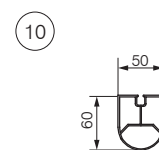
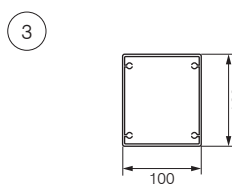
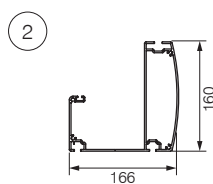
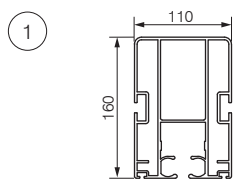
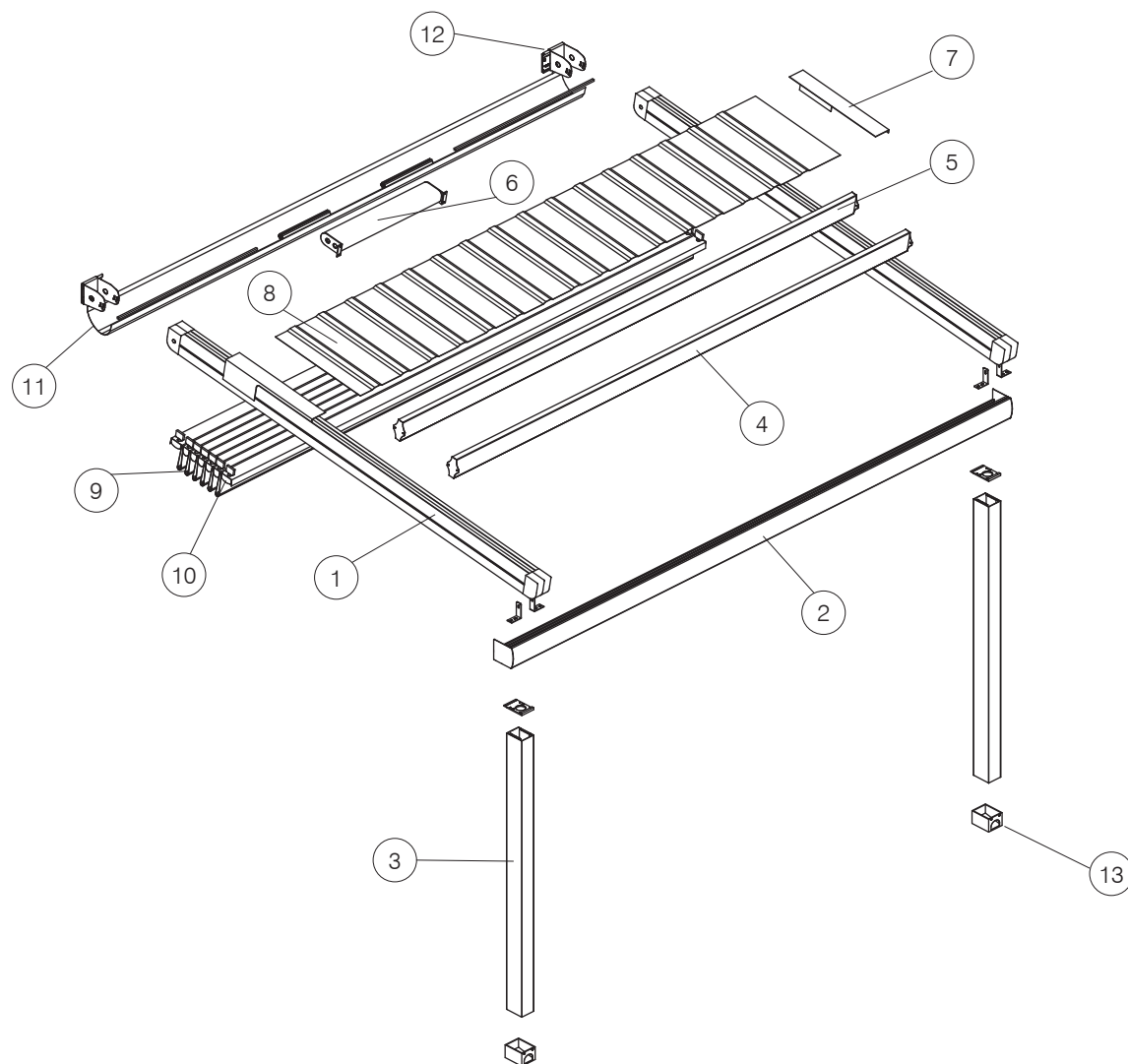
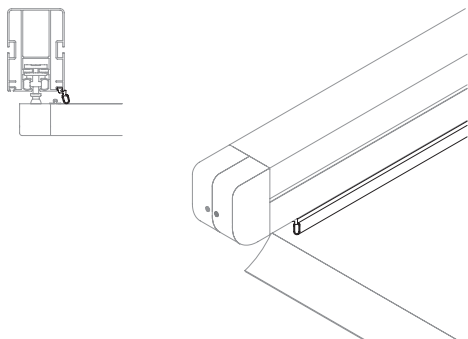




All Seasons | SMOOTH Series HS13 | Technical Specifications

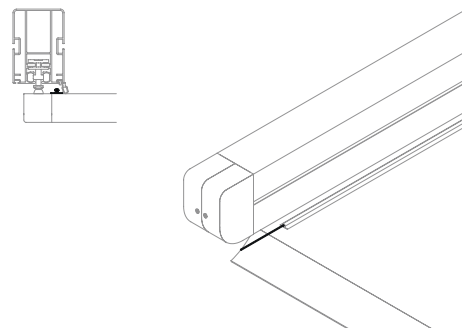
- ① Rafter profile 110x160mm
- ② Front beam / gutter 166x160mm
- ③ Post 100x130mm
- ④ Hood support
- ⑤ Motor support
- ⑥ Motor box
- ⑦ Hood end
- ⑧ Hood sheet
- ⑨ Fabric
- ⑩ Fabric profile
- ⑪ Motor flap
- ⑫ Wall bracket
- ⑬ Post base





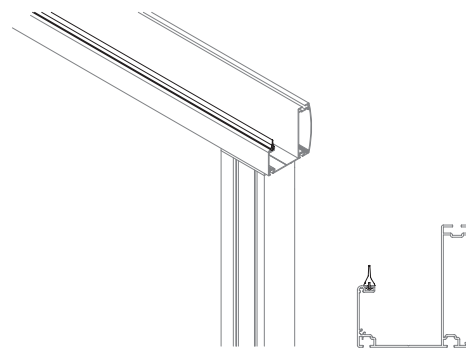
Rafter rubber seal

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.



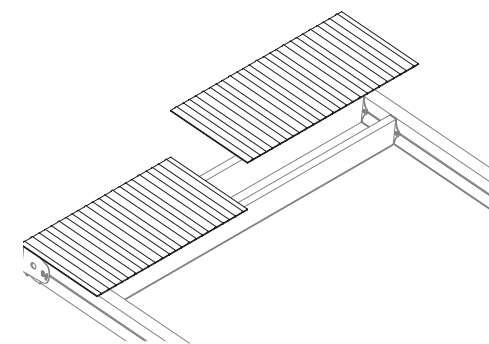
Fabric tube spline rib

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.



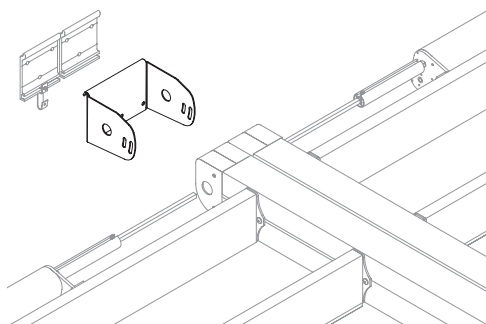
Gutter seal

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.



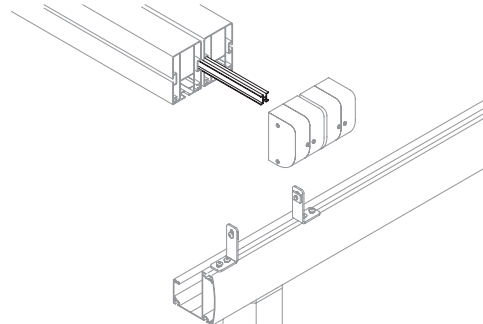
Aluminium hood sheets

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.



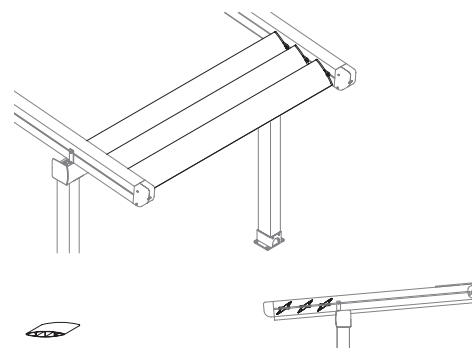
Double rafter wall bracket

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.



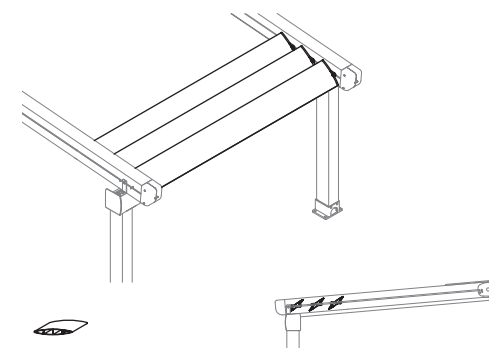
Rafter joining profile

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.



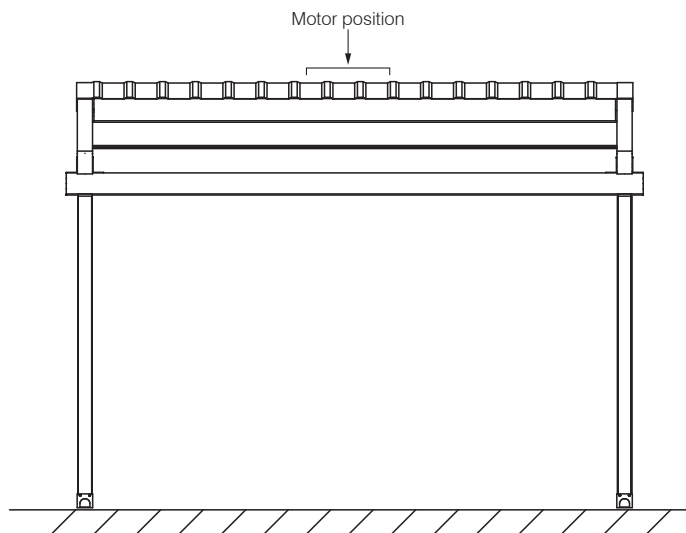
Aerofoil louvres (Extended)

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.

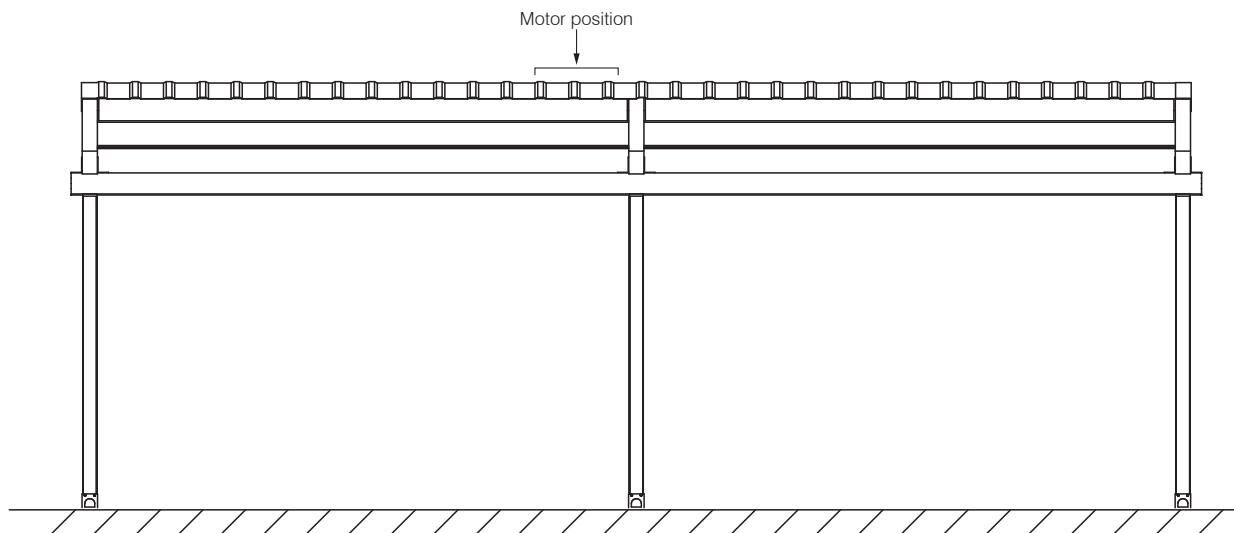


Aerofoil louvres (Internal)

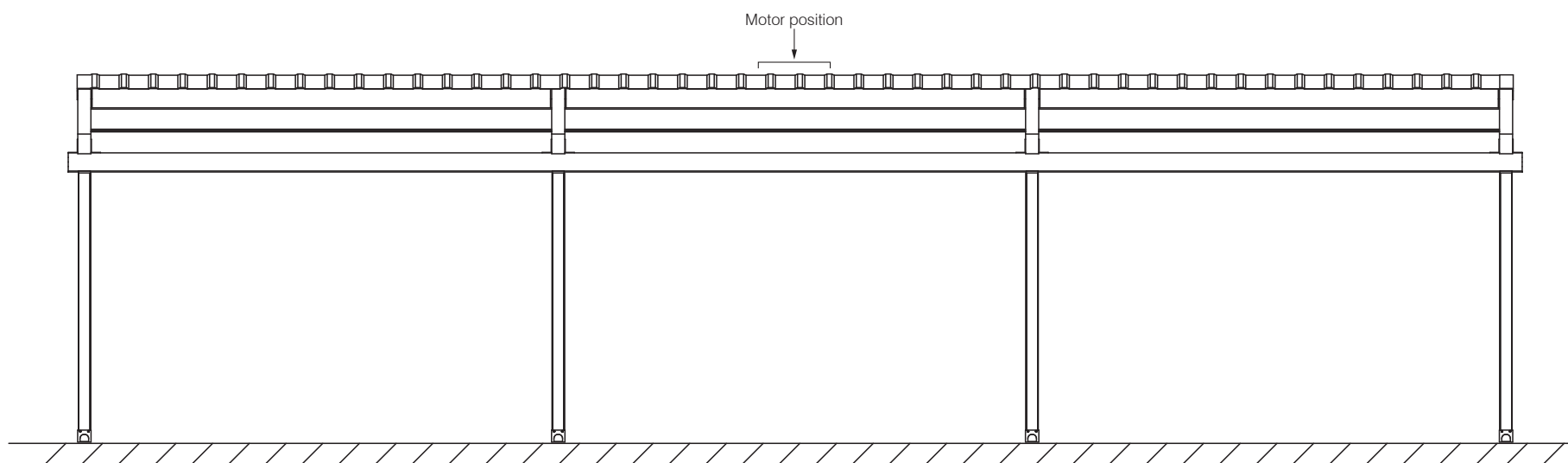
Aerofoil louvre fins for shade and design may be added within the existing projection.



Single system – max 4.5m wide



Twin field system – max 9m wide



Triple field system – max 13m wide



FRONT BEAM SPAN WITHOUT MIDDLE POST

Projection (m)	Maximum span (m)
6.00	5.00

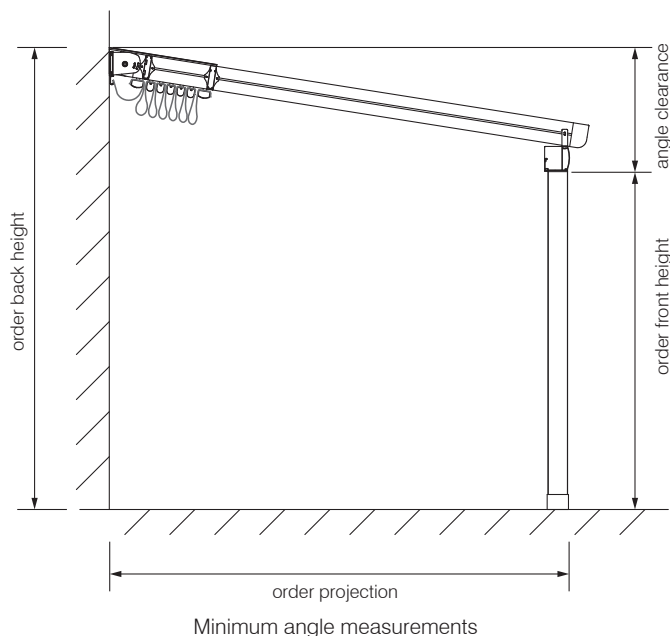


SMOOTH HS13 POST INSET

Projection (m)	Maximum inset (mm)
2.00	1000
4.00	900
6.00	800
8.00	700
10.00	600

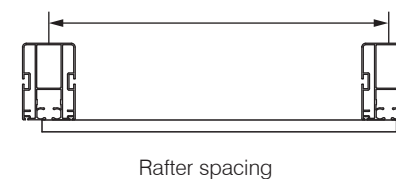
SMOOTH HS13 MINIMUM ANGLE CHART FOR WATER RUN OFF

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	7.50	8.00	8.50	9.00	9.50	10.00	
2.00	500	535	570	605	640	675	710	745	780	815							4°
											981	1021	1065	1108	1152	1195	5°
2.50	543	586	630	673	717	760	804	847	891	934							5°
											1113	1165	1218	1270	1323	1375	6°
3.00	588	640	693	745	798	850	903	955	1008	1060							6°
											1246	1309	1370	1432	1494	1555	7°
3.50	675	745	815	885	955	1025	1095	1165	1235	1305	1375	1445	1515	1585	1655	1725	8°
4.00	720	799	878	957	1036	1115	1194	1273	1352	1431	1510	1589	1668	1747	1826	1905	9°
4.50	765	853	941	1029	1117	1205	1293	1381	1469	1557	1645	1733	1821	1909	1997	2085	10°
Angle clearance (mm)																	



HS13 Order front height

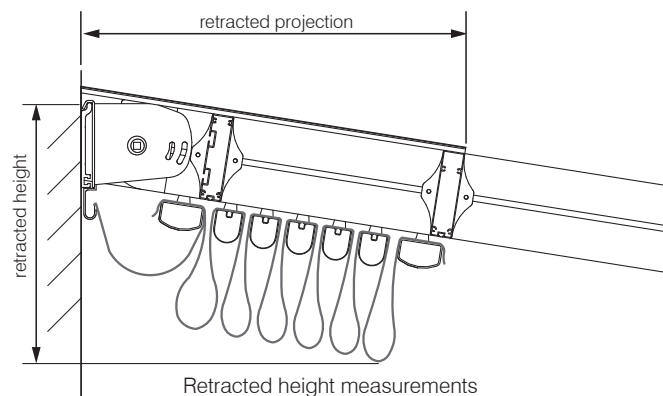
Maximum standard post height 3.0m. Upgrade to custom steel posts for increased height available on application, subject to site specific details and installation requirements.



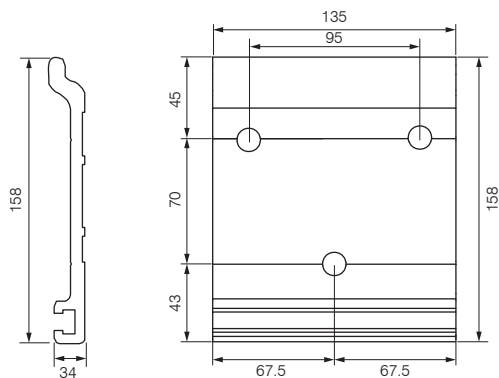
SMOOTH HS13 RETRACTED SYSTEM DIMENSIONS AT 10°

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	7.50	8.00	8.50	9.00	9.50	10.00		
4	393																			504
5	356	420																		564
6	338	390	441																	624
7		373	416	459																684
8			401	437	474															745
9				424	456	488														805
10					445	473	502													865
11						463	489												925	
12							480	504											985	
13								496	518										1045	
14								492	511	532									1105	
15									508	526	545								1165	
16										523	540	557							1225	
17											538	554	570						1285	
18												552	567	487					1345	
19													566	580	594				1405	
20														579	593	606			1465	
21															592	605	618		1525	
22																605	617	630		1586
23																	618	630		1646
24																		631		1706
	Retracted height at 10° angle (mm)																			

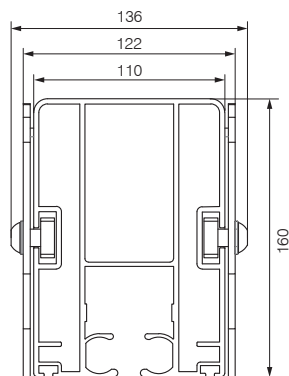
Bold figures indicate the height of the fabric profiles if the standard number of profiles for this size / angle are used. A reduction in height can be achieved by adding extra fabric profiles, which will attract a surcharge.



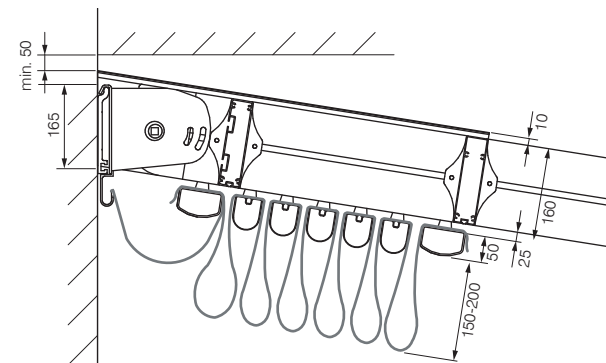
Wall bracket



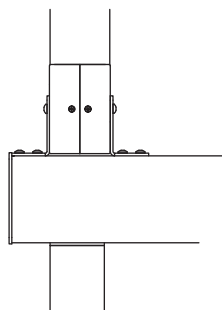
Hang bracket / bracket width



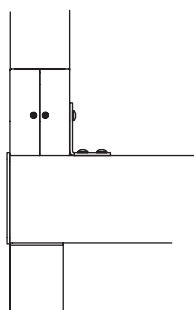
Retracted height detail



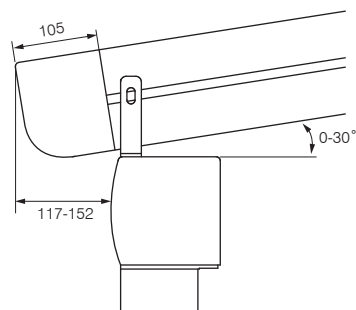
Rafter detail



Standard rafter detail



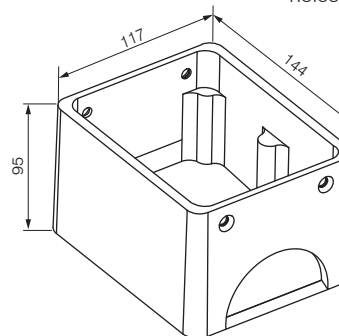
Optional flush rafter detail



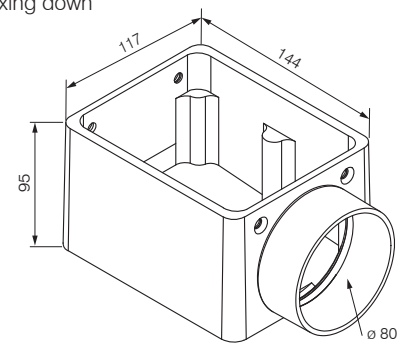
Front rafter angle

Post base

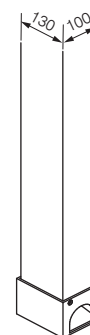
* Base has 2 x 13Ø holes for fixing down



Standard post base



Optional spout post base



Post base detail

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

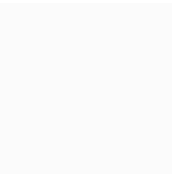


HS995 Federation Green



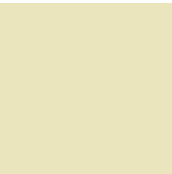
HS810 Black

Sunblock

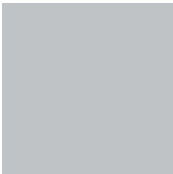


HS7279 White

Plain

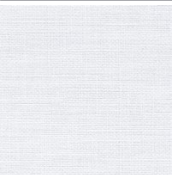


HS7398 Champagne




HS654 Grey

Sunblock




HS7463 White-Grain

Grain



HS7464 Champagne-Grain



HS7469 Grey-Grain

Sunblock



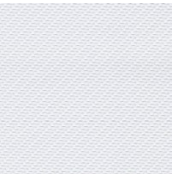
HS7481 White-3D

3D



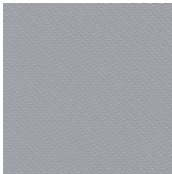
HS7482 Champagne-3D

Sunblock



HS7543 White-HB

Herringbone



HS7545 Grey-HB

Sunblock



HS7511 Cream-MS





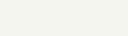









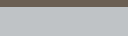
















Mosaic



HS7510 Taupe-MS



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