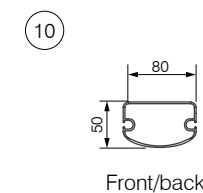
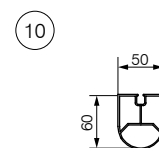
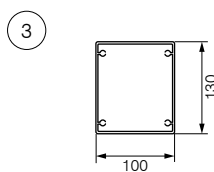
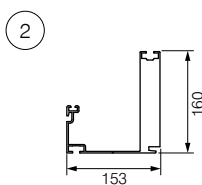
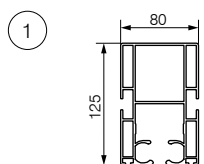
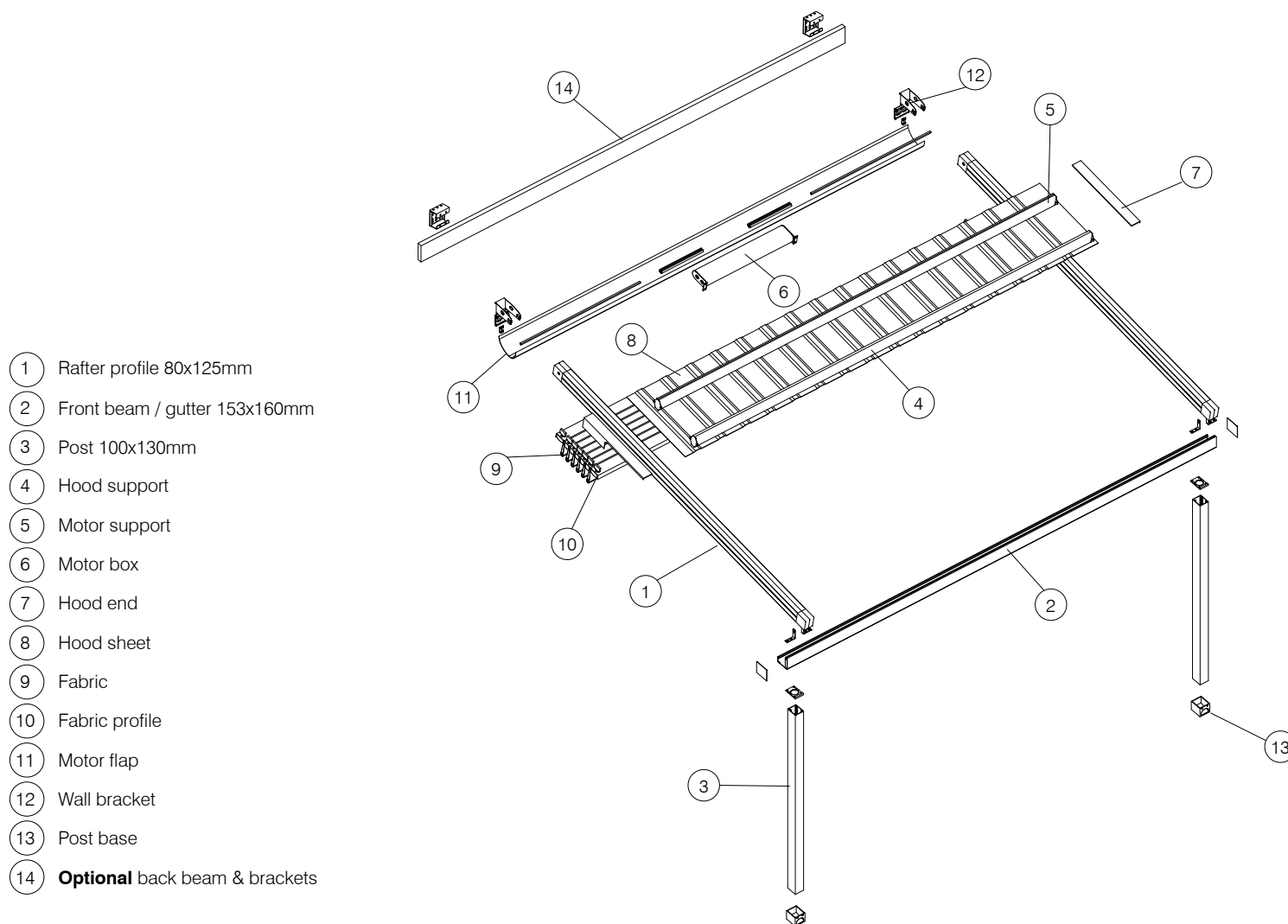


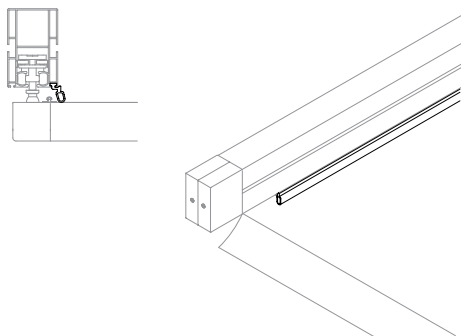


All Season Range
Novo Series HS12
Technical Specifications



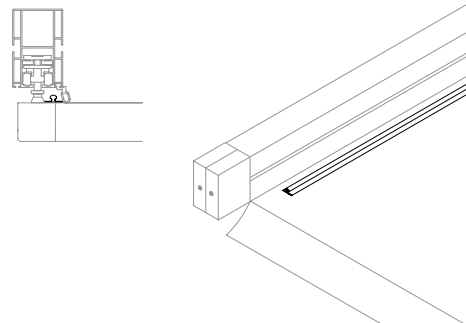
helioscreen®





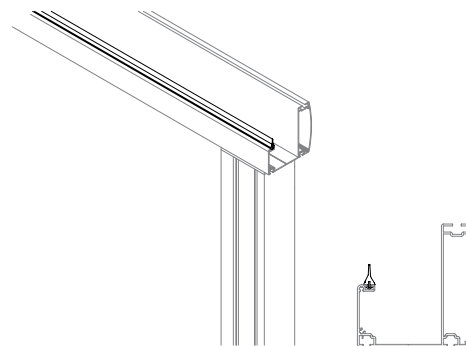
Rafter rubber seal

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.



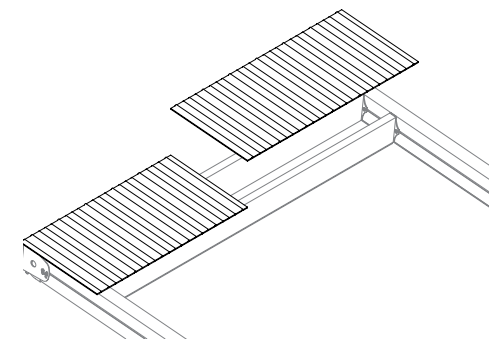
Fabric tube spline rib

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.



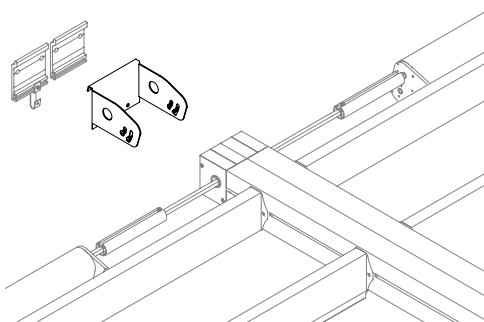
Gutter seal

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.



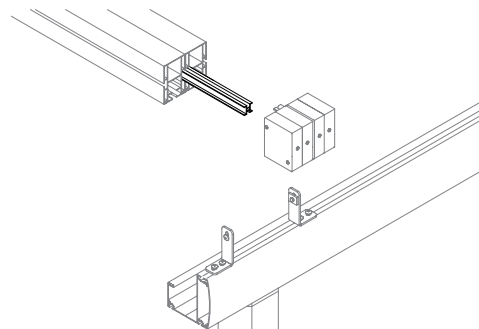
Aluminium hood sheets

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.



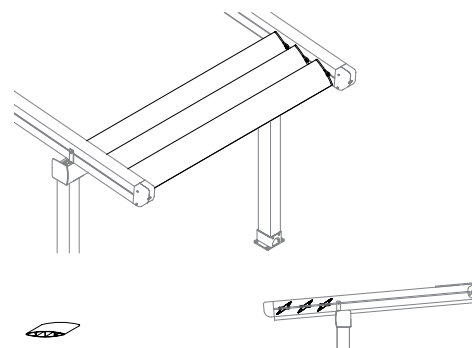
Double rafter wall bracket

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.



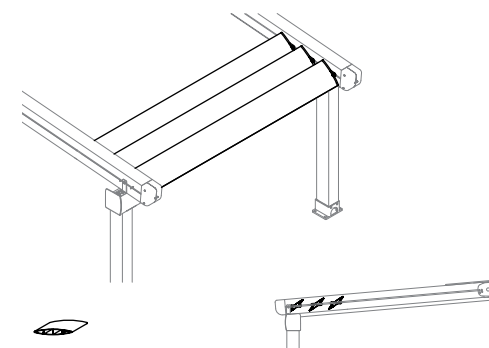
Rafter joining profile

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.



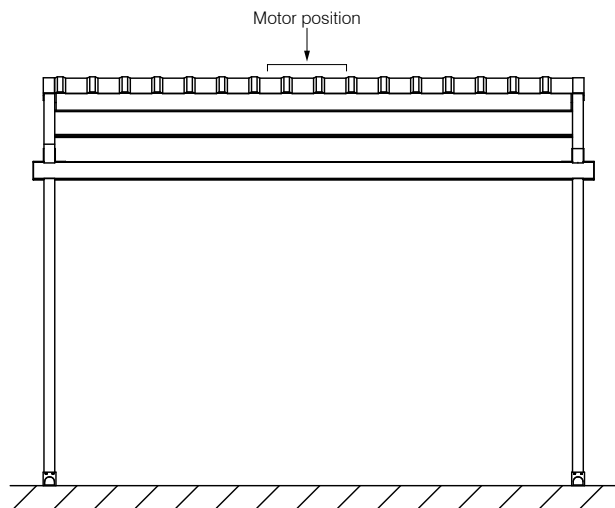
Aerofoil louvres (Extended)

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.

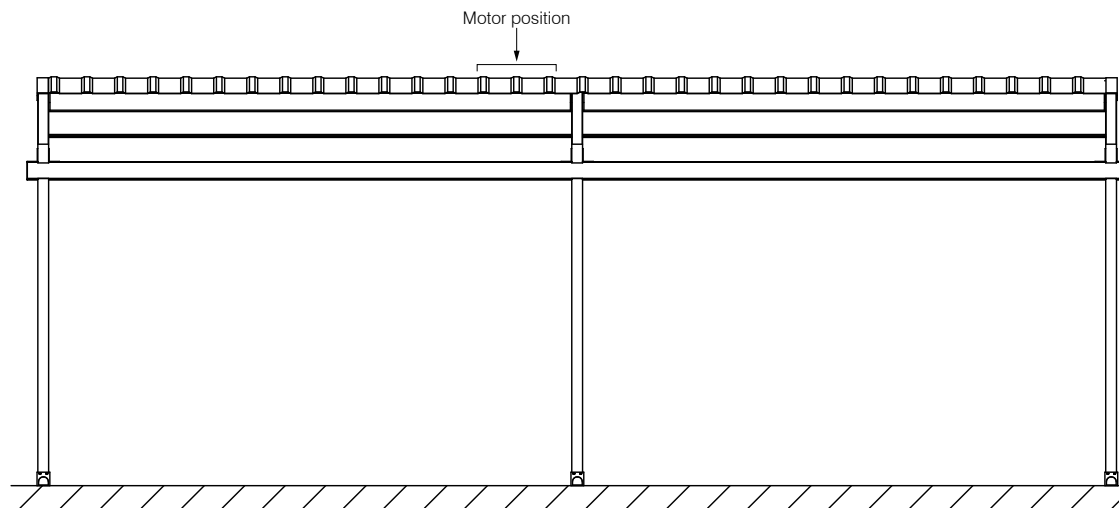


Aerofoil louvres (Internal)

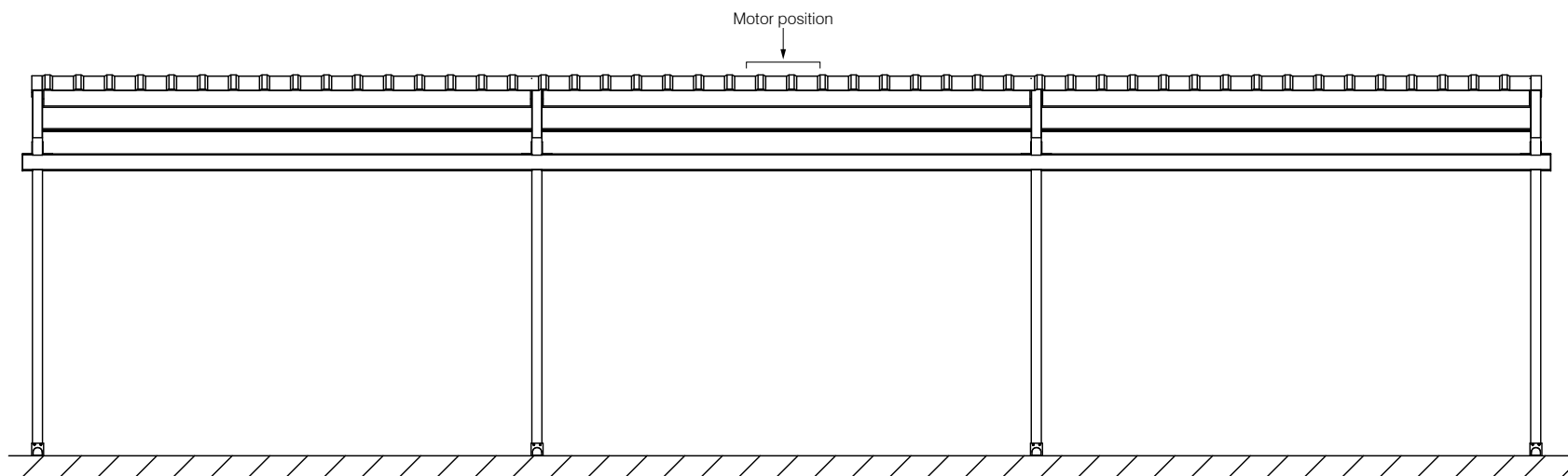
Aerofoil louvre fins for shade and design may be added within the existing projection.



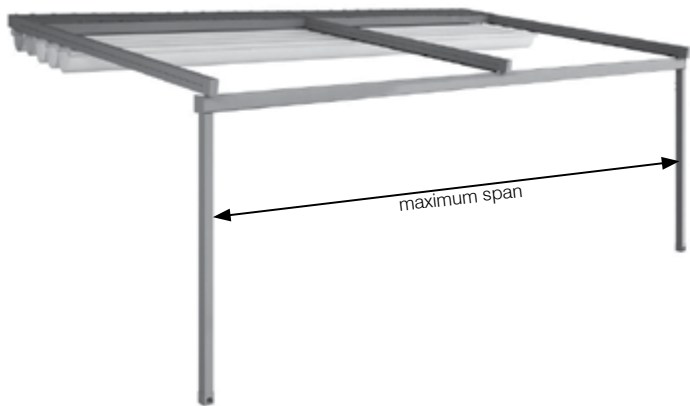
Single system – max 4.5m wide



Twin field system – max 9m wide

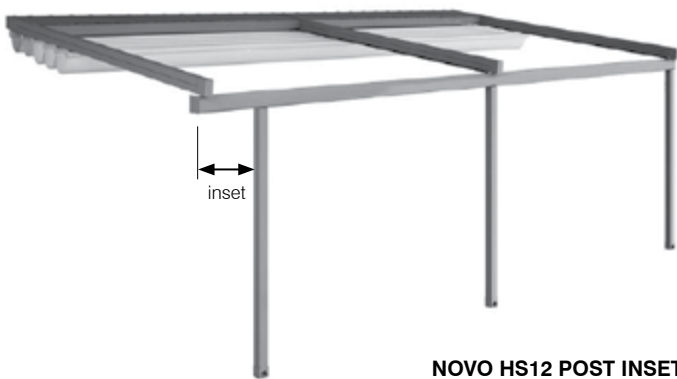


Triple field system – max 9m wide



FRONT BEAM SPAN WITHOUT MIDDLE POST

Projection (m)	Maximum span (m)
6.00	6.00



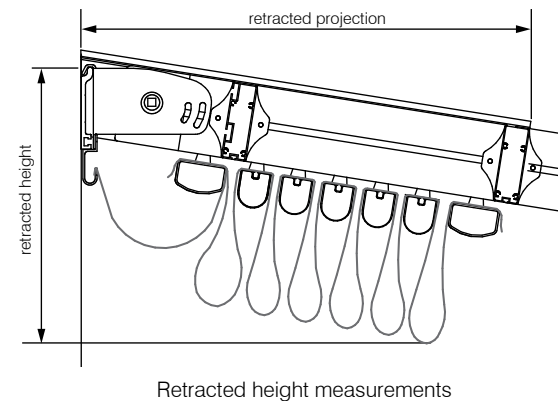
NOVO HS12 POST INSET

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

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.

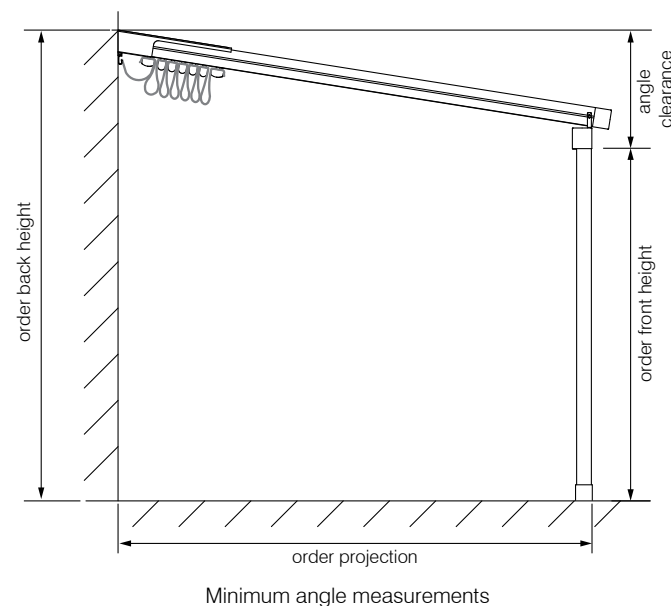


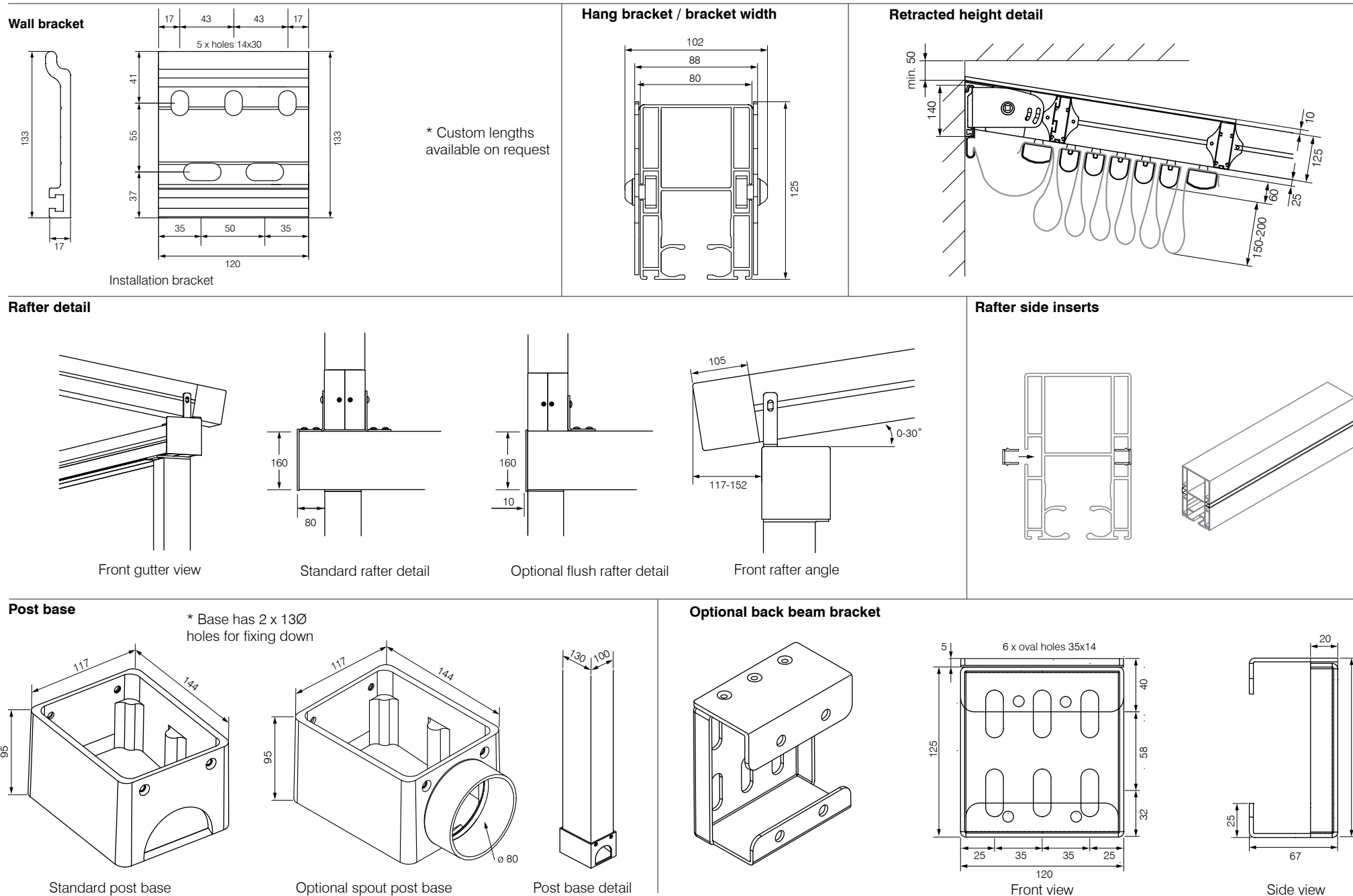
NOVO HS12 MINIMUM ANGLE CHART FOR WATER RUN OFF

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	460	495	530	565	600	640	670	710	745	780	4°
2.50	500	545	590	635	680	720	765	810	860	900	5°
3.00	545	595	650	700	755	810	860	915	970	1020	6°
3.50	630	700	770	840	910	980	1050	1125	1195	1265	8°
4.00	670	750	830	910	990	1070	1150	1230	1310	1390	9°
4.50	715	805	890	980	1070	1155	1250	1340	1425	1510	10°
Angle clearance (mm)											

HS12 Order front height

Maximum standard post height 3m. Upgrade to custom steel posts for increased height available on application, subject to site specific details and installation requirements.



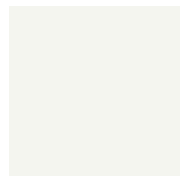


* Custom lengths available on request

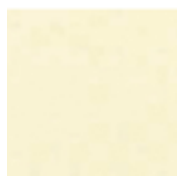
FABRIC COLOURS

Translucent

LAC650



HS867 New White



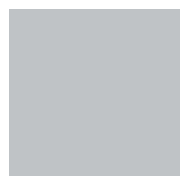
HS7462 Champagne



HS7409 Beige



HS7534 Taupe



HS654 Silver



HS652 Grey



HS7419 Slate



HS7456 Yellow



HS7646 Sage



HS7507 Red



HS941 Ocean Blue



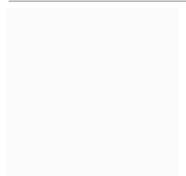
HS995 Federation Green



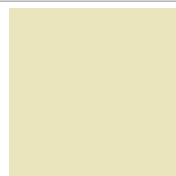
HS810 Black

Sunblock

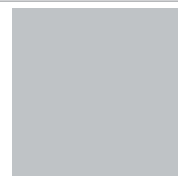
Plain



HS7279 White



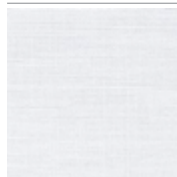
HS7398 Champagne



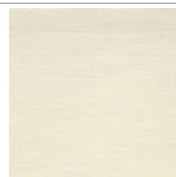
HS654 Grey

Sunblock

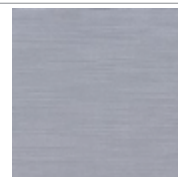
Grain



HS7463 White-Grain



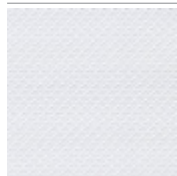
HS7464 Champagne-Grain



HS7469 Grey-Grain

Sunblock

Herringbone



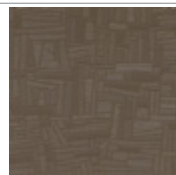
HS7543 White-HB

Sunblock

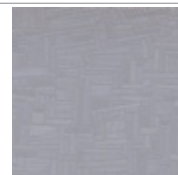
Mosaic



HS7511 Cream-MS



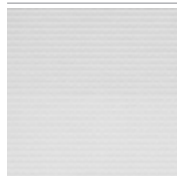
HS7510 Taupe-MS



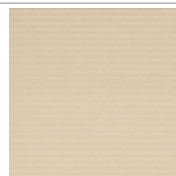
HS7512 Grey-MS

Sunblock

Canvas



HS7677 White-CV



HS7678 Champagne-CV

Fabric colour



Solar reflection



Solar absorbance
















Thermal comfort















Solar transmittance

Translucent (680g/sqm)

	HS867	75	12		11
	HS7462	73	16		9
	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
	HS7646	25	74		0
	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
	HS7543	72	28		0
	HS7511	68	32		0
	HS7510	16	84		0
	HS7512	45	55		0
	HS7677	72	28		0
	HS7678	68	32		0