



Arcolux

Bended Skylights



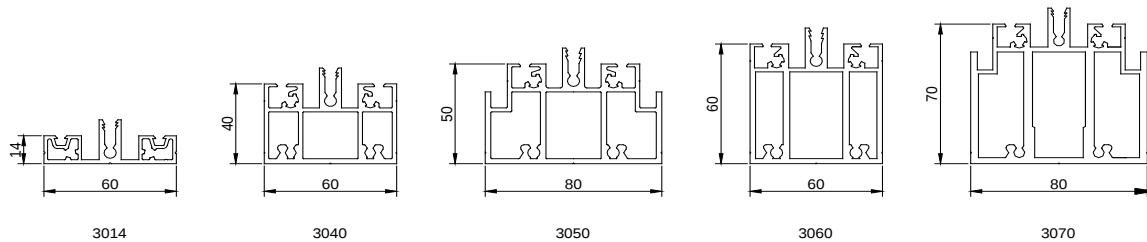
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Support ribs for bended skylights

Technical specifications

Support ribs in aluminium (F25).								
Profile	σ_b N/mm ²	$\sigma_{0,2}$ N/mm ²	τ_b N/mm ²	E N/mm ²	A mm ²	I_x mm ⁴	c_1 mm	c_2 mm
3014	245	195	145	70000	382	12200	14,9	7,1
3040	245	195	145	70000	790	164300	27,3	20,7
3050	245	195	145	70000	1066	321200	33,6	24,4
3060	245	195	145	70000	1019	475800	35,2	32,8
3070	245	195	145	70000	1594	887400	44,6	33,4

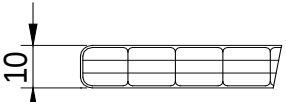
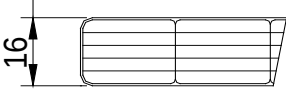
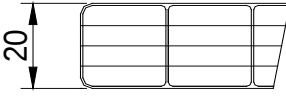
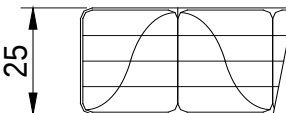
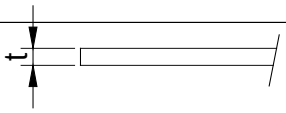
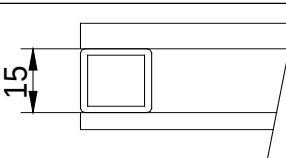
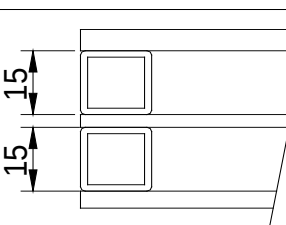


Example Maximum width bended skylights		
Sheets : Multiwall 16mm 3-wall Loads : Snow 750 N/m ² , Wind : 640 N/m ² Bar to bar distance of the support ribs : 1065 mm		
Profile number	Height	Width in mm
3014	R=2800	2850
3040	H =1/5	7000
3050	H =1/5	9000
3060	H =1/5	10000
3070	H =1/5	12000

Other shapes on request



Sheets

Polycarbonate		Thickness in mm	Colour	Light transmission in %		Heat transfer coefficient in W /m ² K	Fire classification	Weighed sound reduction index in dB
Multiwall		10	Clear	68	65	2,50	B - s1, d0	17
			Opal	61	63			
		16	Clear	59	57	1,82	B - s1, d0	20
			Opal	42	47			
		20	Clear	64	75	1,80	B - s2 , d0	22
			Opal	38	65			
		25	Clear	44	66	1,50	B - s2 , d0	23
			Opal	24	50			
Solid		Variable	Clear	85	82	6,4 - 4,8 *		27 - 31 *
			Opal	50	58			
		Variable	Clear	67	68	2,8 - ? *		29 - 33 *
			Clear / Opal	40	35			
		Variable	Clear			2,0 - ? *		30 - 35 *
			Opal					

* Depending on the thickness of the sheets

Heat protected sheet on request

Other colours on request

Other technical specifications on request

