

PERGOLUX

Static calculations

Series 2

PERGOLUX Pergola S2, Freestanding

Size	with/without walls	Wind load (Beaufort)	Snow load (lbs/sqft)
10x10	without walls	11	33
10x10	with walls	11	33
10x13	without walls	11	31
10x13	with walls	11	27
13x13	without walls	11	16
13x13	with walls	10	16
10x16	without walls	10	16
10x16	with walls	9	16
13x16	without walls	9	14
13x16	with walls	8	14
10x19	without walls	11	33
10x19	with walls	11	33
13x19	without walls	11	16
13x19	with walls	9	16

PERGOLUX Pergola S2, Wall mounted

Size	with/without walls	Wind load (Beaufort)	Snow load (lbs/sqft)
10x10	without walls	11	33
10x10	with walls	11	33
10x13	without walls	11	31
10x13	with walls	11	27
13x13	without walls	11	16
13x13	with walls	10	16
10x16	without walls	10	16
10x16	with walls	10	16
13x16	without walls	9	14
13x16	with walls	8	14
10x19	without walls	11	32
10x19	with walls	11	32
13x19	without walls	11	16
13x19	with walls	10	16

PERGOLUX Sundream S2, Freestanding

Size	with/without walls	Wind load (Beaufort)	Snow load (lbs/sqft)
10x10	without walls	12	51
10x10	with walls	12	51
10x13	without walls	11	46
10x13	with walls	10	46
13x13	without walls	11	24
13x13	with walls	10	24
10x16	without walls	11	33
10x16	with walls	9	33
13x16	without walls	10	28
13x16	with walls	9	28

PERGOLUX Sundream S2, Wall mounted

Size	with/without walls	Wind load (Beaufort)	Snow load (lbs/sqft)
10x10	without walls	12	51
10x10	with walls	12	51
10x13	without walls	11	47
10x13	with walls	10	46
13x13	without walls	11	38
13x13	with walls	10	24
10x16	without walls	11	34
10x16	with walls	10	33
13x16	without walls	11	30
13x16	with walls	10	28

PERGOLUX Skydance S2, Freestanding

Size	with/without walls	Wind load (Beaufort)	Snow load (lbs/sqft)
10x10	without walls	12	31
10x13	without walls	12	31
13x19	without walls	10	25
13x13	without walls	10	25
13x13	with walls	10	25

Note: The Skydance emphasizes elegance over maximum strength. We chose wider louvers, longer than the smaller ones in our other pergolas. This means that it features our strongest louvers, but has a lower load per sq/ft. This design decision highlights the Skydance's sophisticated aesthetic.