

ALUMINIUM F150 BOX SECTION SPAN TABLE:				
MAXIMUM ALLOWABLE SPANS (m) FOR CANOPY & ROOF ELEMENTS. (Maximum allowed live load 0.25kPa or 0.5kN Point Load)				
		Spacing (mm)		
Cladding		600 mm	750 mm	900 mm
Material	Thickness	Span (m)	Span (m)	Span (m)
Wind Zone		Low		
Polycarbonate	6 mm	6.0	6.0	5.8
	8 mm	6.0	6.0	5.8
	10 mm	6.0	6.0	5.8
	12 mm	6.0	6.0	5.8
Glass	6 mm	6.0	6.0	5.8
	8 mm	5.5	5.5	5.5
	10 mm	5.2	5.2	5.2
	12 mm	4.9	4.9	4.9
Wind Zone		Medium		
Polycarbonate	6 mm	6.0	5.6	5.3
	8 mm	6.0	5.6	5.3
	10 mm	6.0	5.6	5.3
	12 mm	6.0	5.6	5.3
Glass	6 mm	6.0	5.6	5.3
	8 mm	5.5	5.5	5.3
	10 mm	5.2	5.2	5.2
	12 mm	4.9	4.9	4.9
Wind Zone		High		
Polycarbonate	6 mm	5.4	4.8	4.4
	8 mm	5.4	4.9	4.5
	10 mm	5.4	4.9	4.5
	12 mm	5.4	5.0	4.6
Glass	6 mm	5.4	5.0	4.6
	8 mm	5.4	5.0	4.7
	10 mm	5.2	5.0	4.7
	12 mm	4.9	4.9	4.7
Wind Zone		Very High		
Polycarbonate	6 mm	4.7	4.2	3.9
	8 mm	4.7	4.3	3.9
	10 mm	4.8	4.3	3.9
	12 mm	4.8	4.3	4.0
Glass	6 mm	4.8	4.3	4.0
	8 mm	4.9	4.4	4.0
	10 mm	4.9	4.5	4.1
	12 mm	4.9	4.6	4.2
Wind Zone		Extra High		
Polycarbonate	6 mm	4.3	3.8	3.5
	8 mm	4.3	3.9	3.5
	10 mm	4.3	3.9	3.6
	12 mm	4.4	3.9	3.6
Glass	6 mm	4.4	3.9	3.6
	8 mm	4.4	4.0	3.6
	10 mm	4.5	4.0	3.7
	12 mm	4.5	4.1	3.7



Table Limitations

- F150 Box Span Bar to be fixed with proprietary F150 Box bracket and 4 x bolts
- Importance Level 2 Buildings
- Buildings not subject to snow loading
- Specific to canopies fixed at $0.75 \times h$ (median building height above ground)
- Width of canopy at least equal to height of canopy or greater

Note: Spans indicative only – check with your installer prior to construction