

SPAN CHARTS

Façades, Sunshades, Screens and
Other Architectural Elements



Geolam[®]
Architectural Eco-Technology

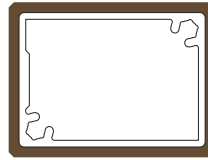
Merriam Community Center, Merriam, KS
Soleo 6008 - Teak

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usa.geolam.com

Notes

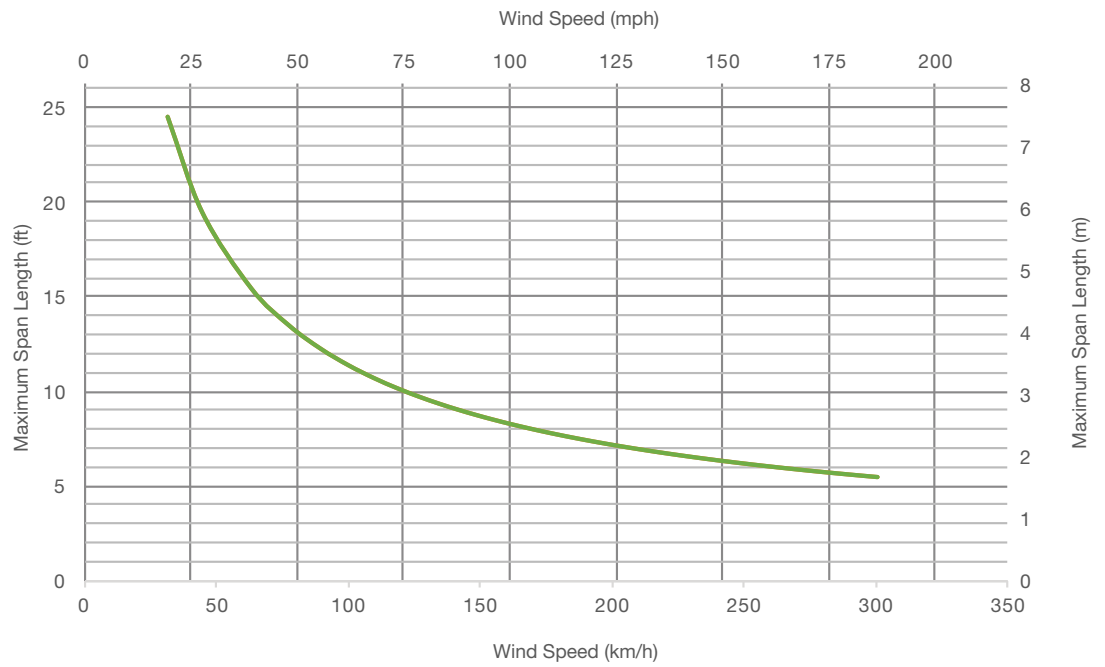
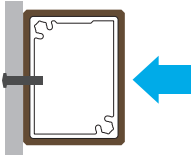
1. These charts account for wind loads only.
2. Based on a deflection limit of $L/120$ (International Building Code 2015)
3. Suggested length for a cantilever installation is half of the length displayed on the chart.
4. These charts do not account for increased wind load at building corners. Suggested span length should be decreased in these areas. Contact a design professional for details.
5. Charts to be used for estimating purposes only. Contact a design professional to determine specific code/specification compliance.

Soleo 6027

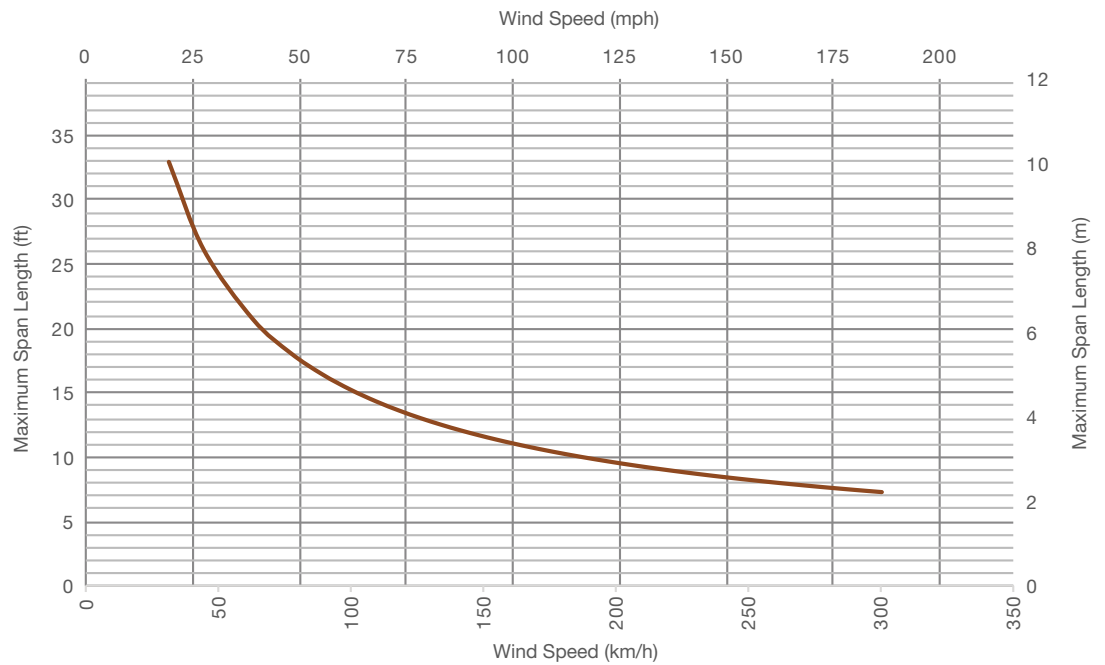
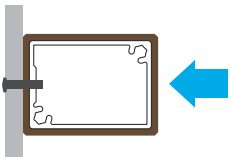


Dimensions	1 ⁵ / ₈ " x 1 ¹ / ₄ " / 40 mm x 30 mm
Weight	0.50 lb/ft / 0.74 kg/ml
End Caps	Yes
Splices/Connectors	No

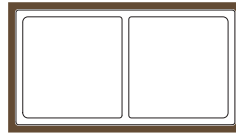
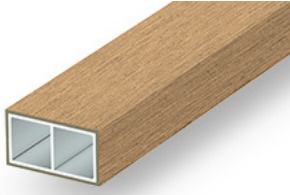
Span length for wind on wide side



Span length for wind on narrow side

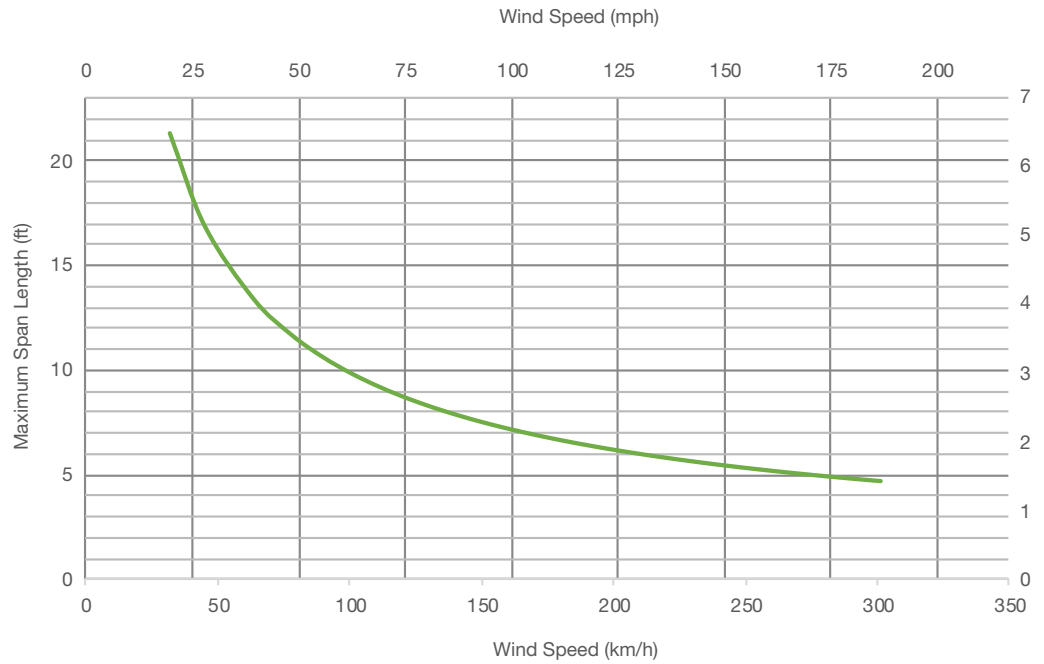
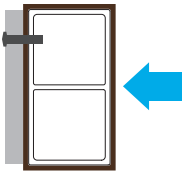


Soleo 6005

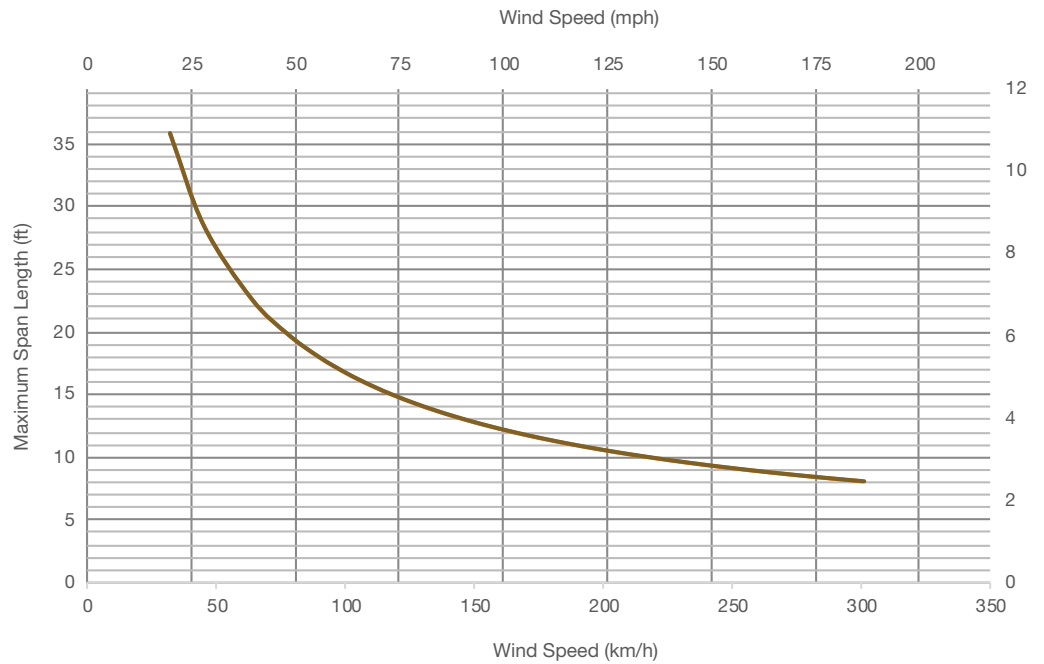
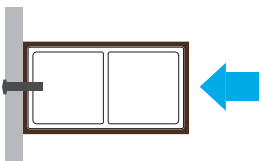


Dimensions	1 ³ / ₄ " x 1" / 45 mm x 25 mm
Weight	0.40 lb/ft / 0.60 kg/ml
End Caps	No
Splices/Connectors	No

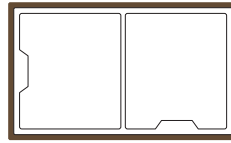
Span length for wind on wide side



Span length for wind on narrow side

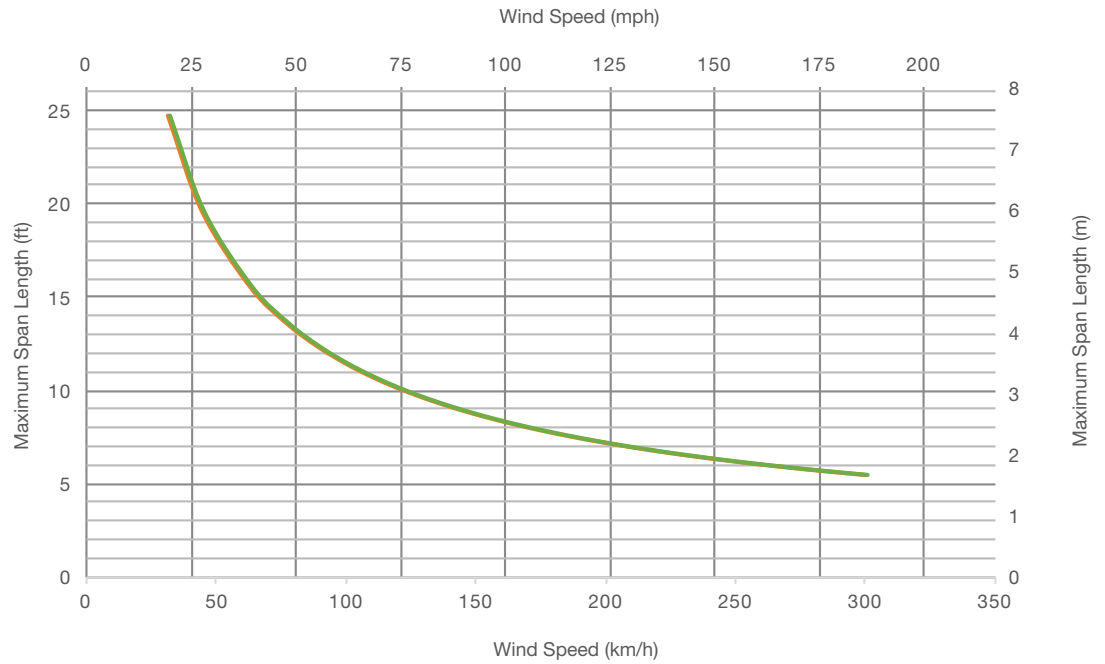
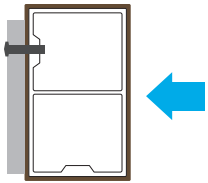


Soleo 6008

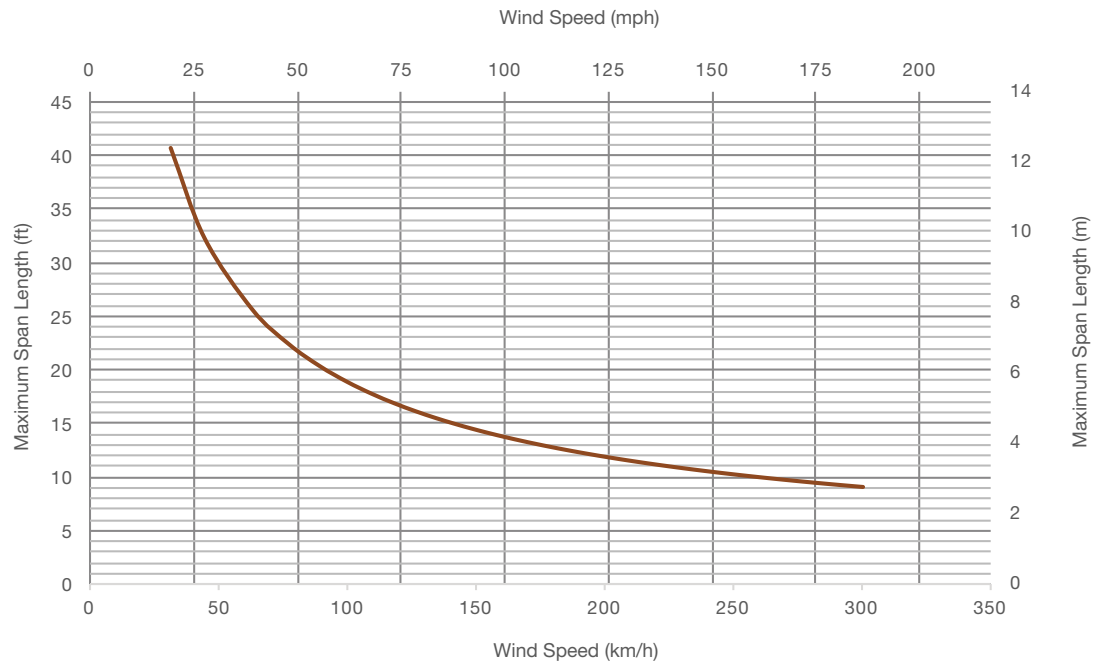
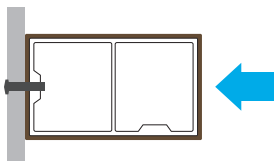


Dimensions	2" x 1 1/4" / 52 mm x 32 mm
Weight	0.57 lb/ft / 0.85 kg/ml
End Caps	Yes
Splices/Connectors	Yes

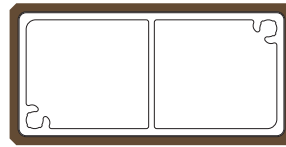
Span length for wind on wide side



Span length for wind on narrow side

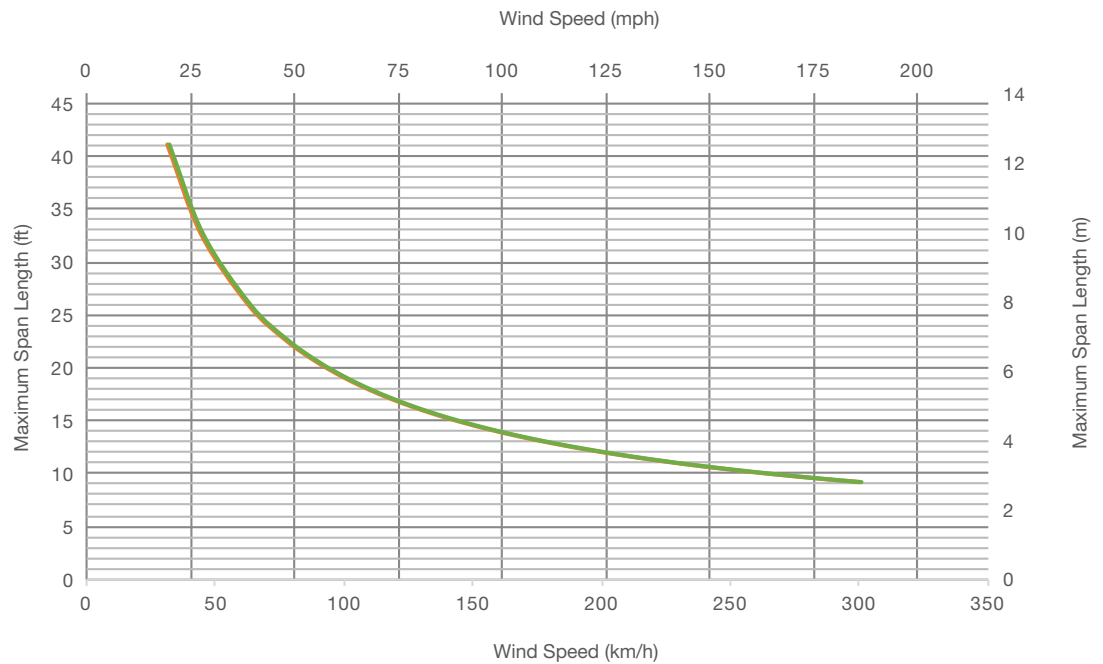
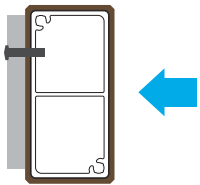


Soleo 6029

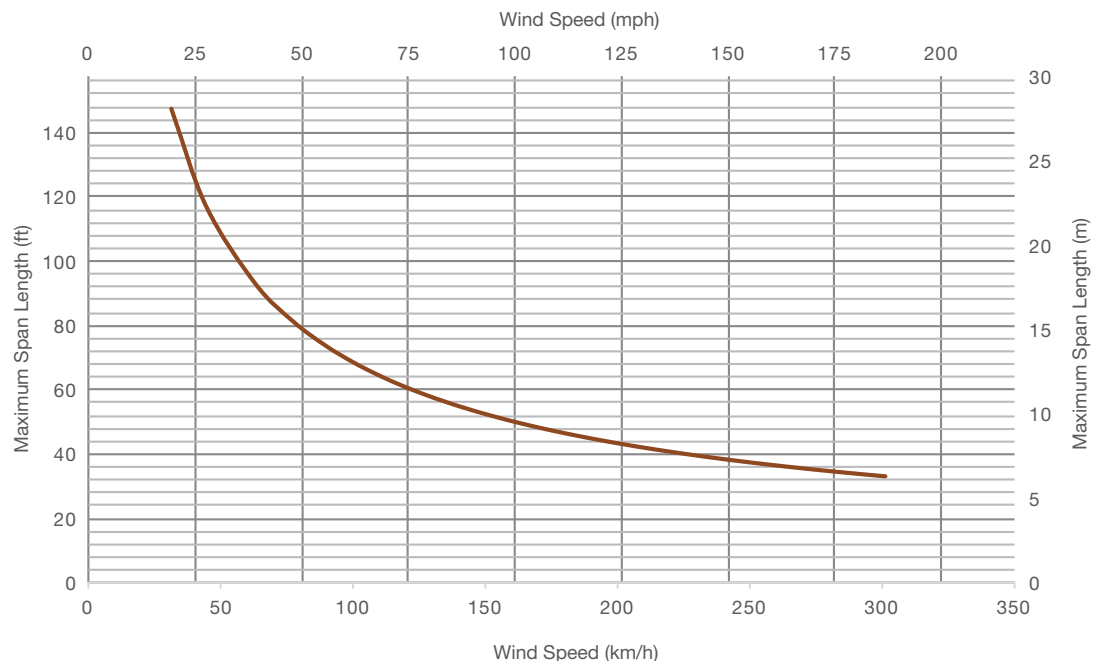
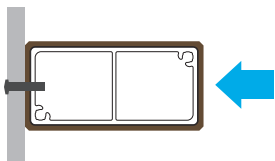


Dimensions	2 ³ / ₈ " x 1 ¹ / ₄ " / 60 mm x 30 mm
Weight	0.67 lb/ft / 1.00 kg/ml
End Caps	Yes
Splices/Connectors	No

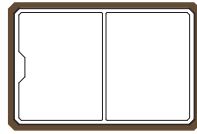
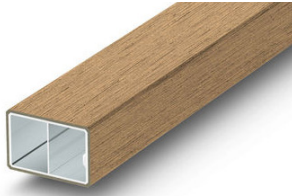
Span length for wind on wide side



Span length for wind on narrow side

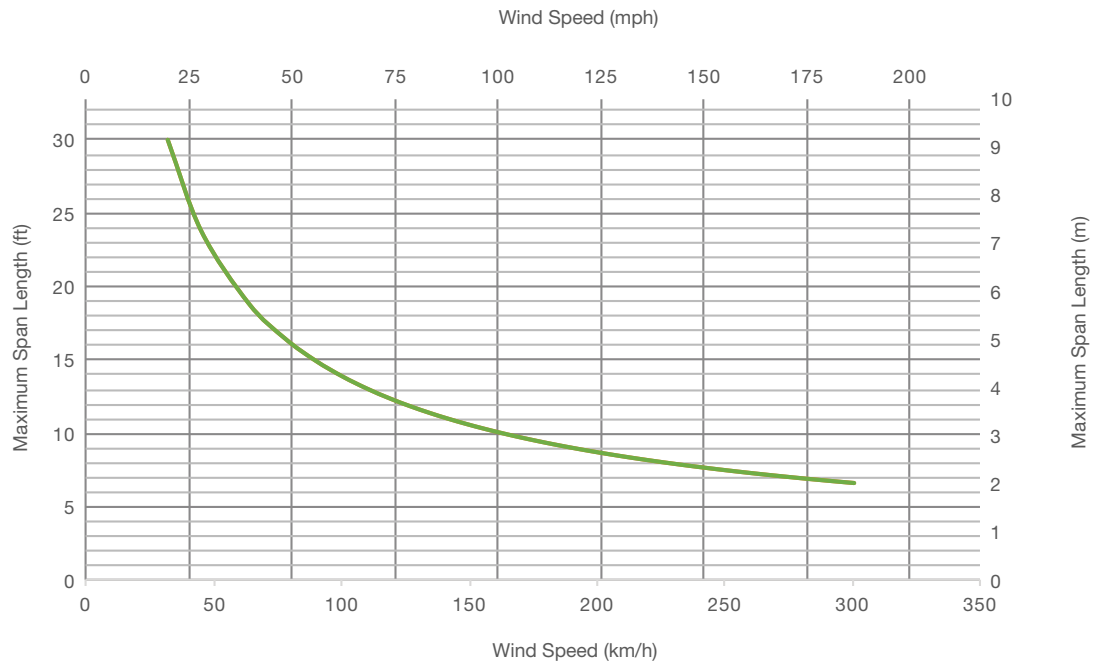
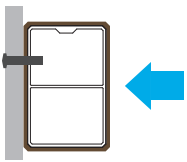


Soleo 6026

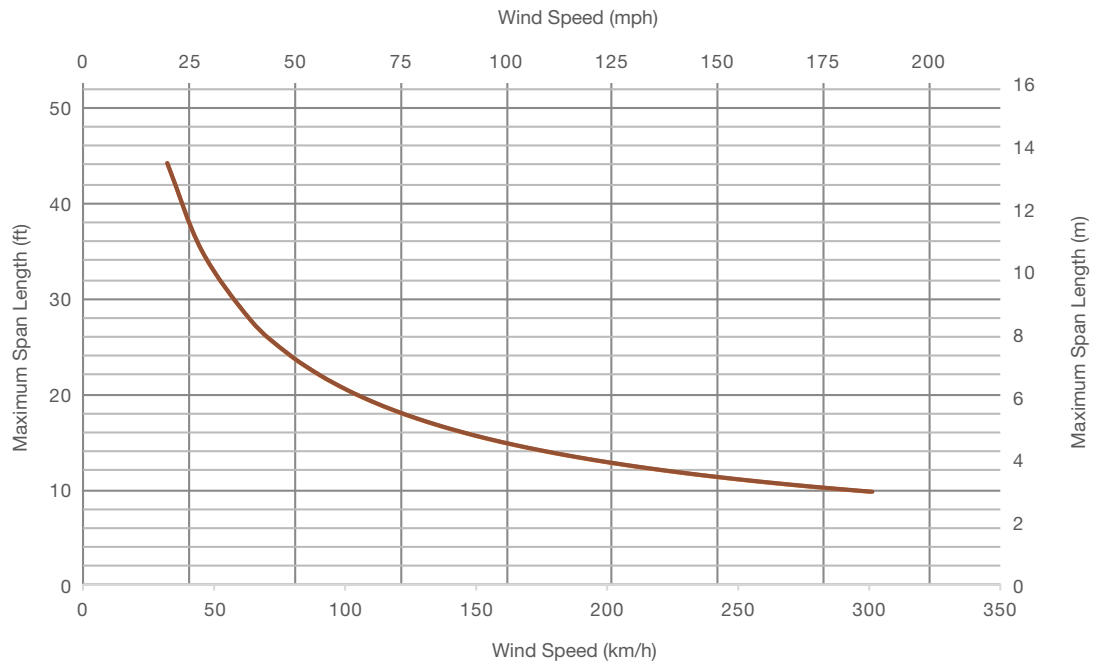
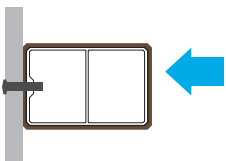


Dimensions	2 ³ / ₈ " x 1 ⁵ / ₈ " / 60 mm x 40 mm
Weight	0.71 lb/ft / 1.05 kg/ml
End Caps	Yes
Splices/Connectors	No

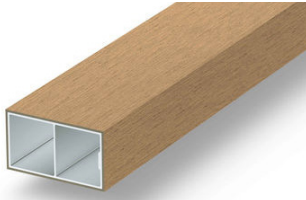
Span length for wind on wide side



Span length for wind on narrow side

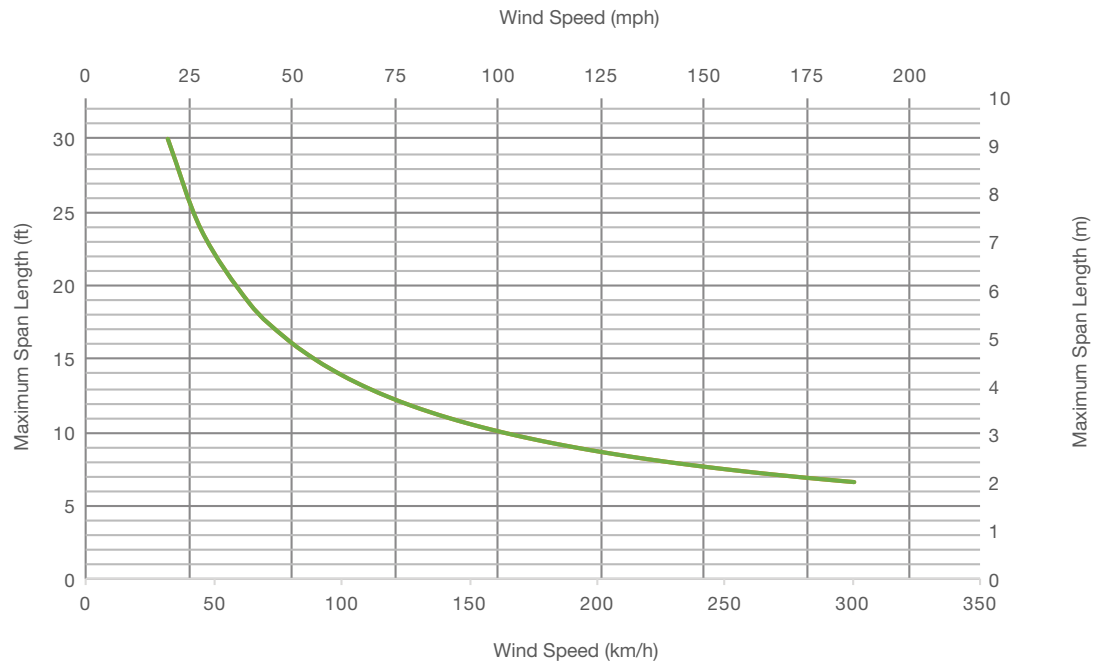
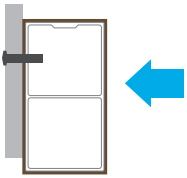


Soleo 6011

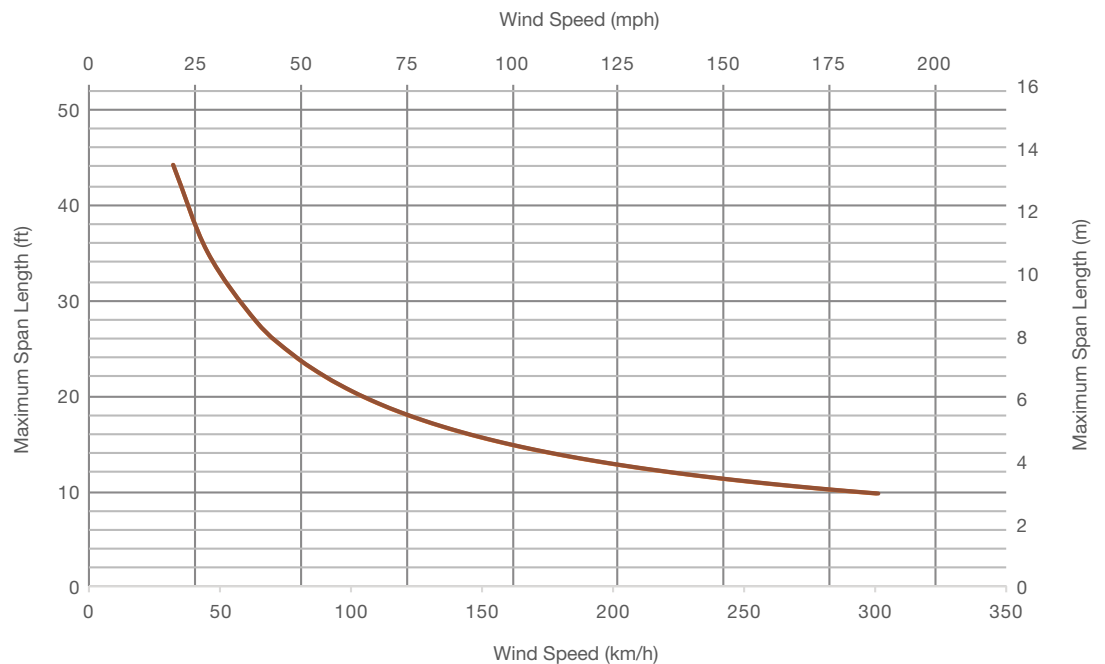
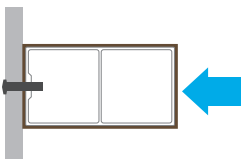


Dimensions	2 ³ / ₄ " x 1 ⁵ / ₈ " / 70 mm x 40 mm
Weight	0.75 lb/ft / 1.12 kg/ml
End Caps	Yes
Splices/Connectors	No

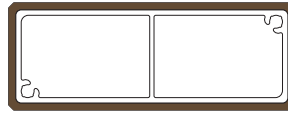
Span length for wind on wide side



Span length for wind on narrow side

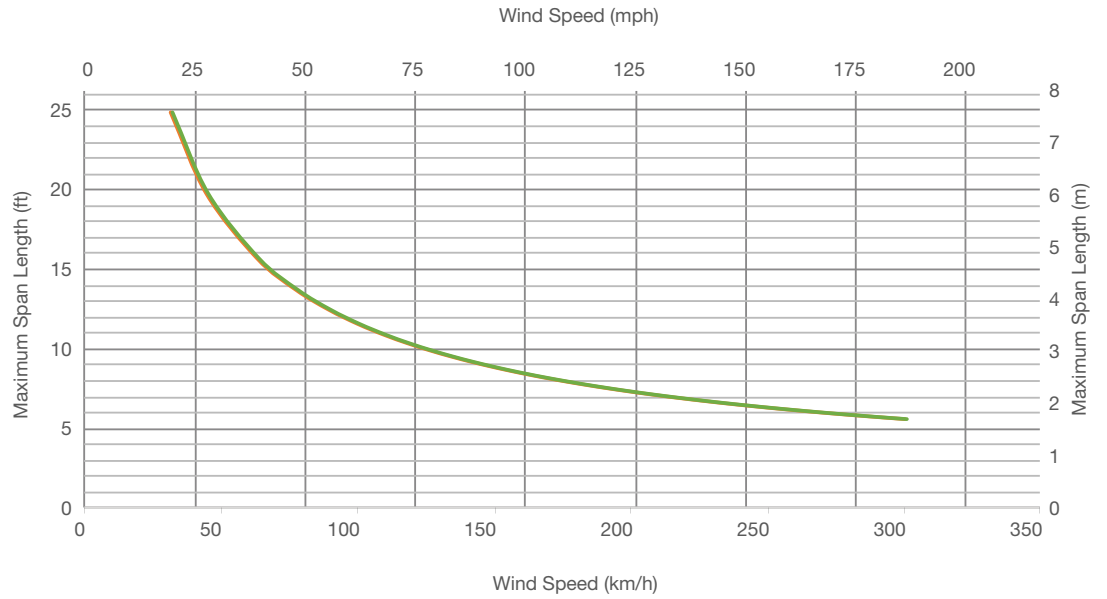
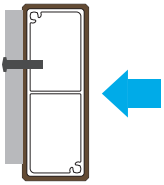


Soleo 6030

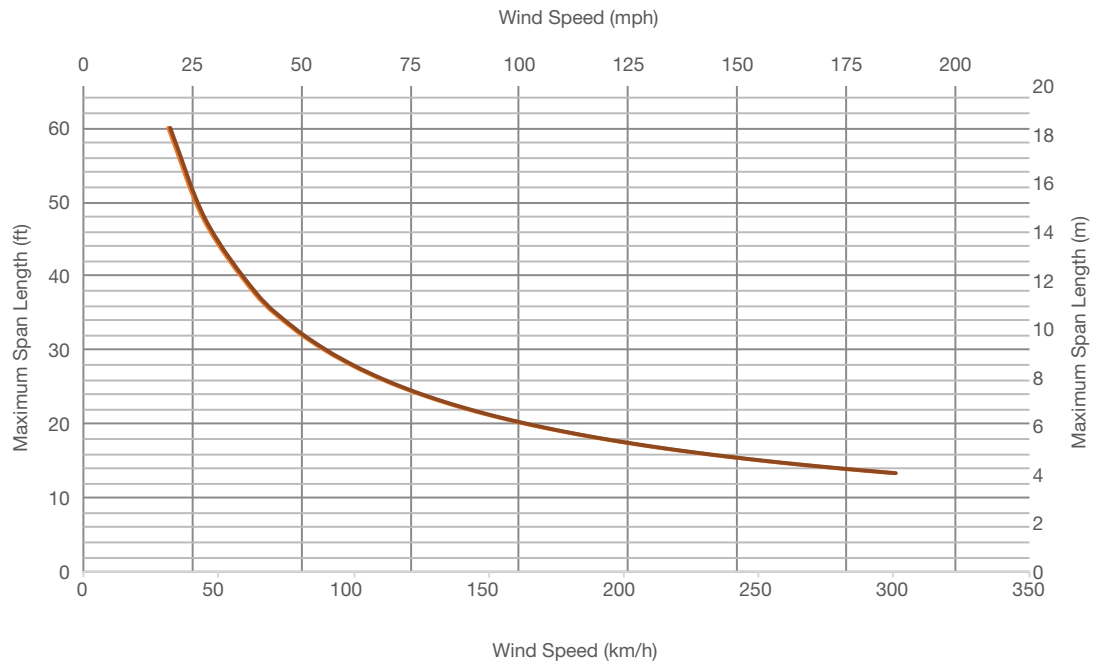
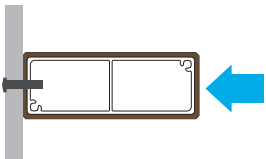


Dimensions	3 ¹ / ₈ " x 1 ¹ / ₄ " / 80 mm x 30 mm
Weight	0.81 lb/ft / 1.20 kg/ml
End Caps	Yes
Splices/Connectors	No

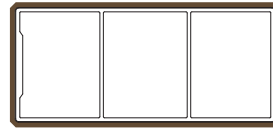
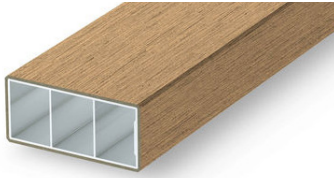
Span length for wind on wide side



Span length for wind on narrow side

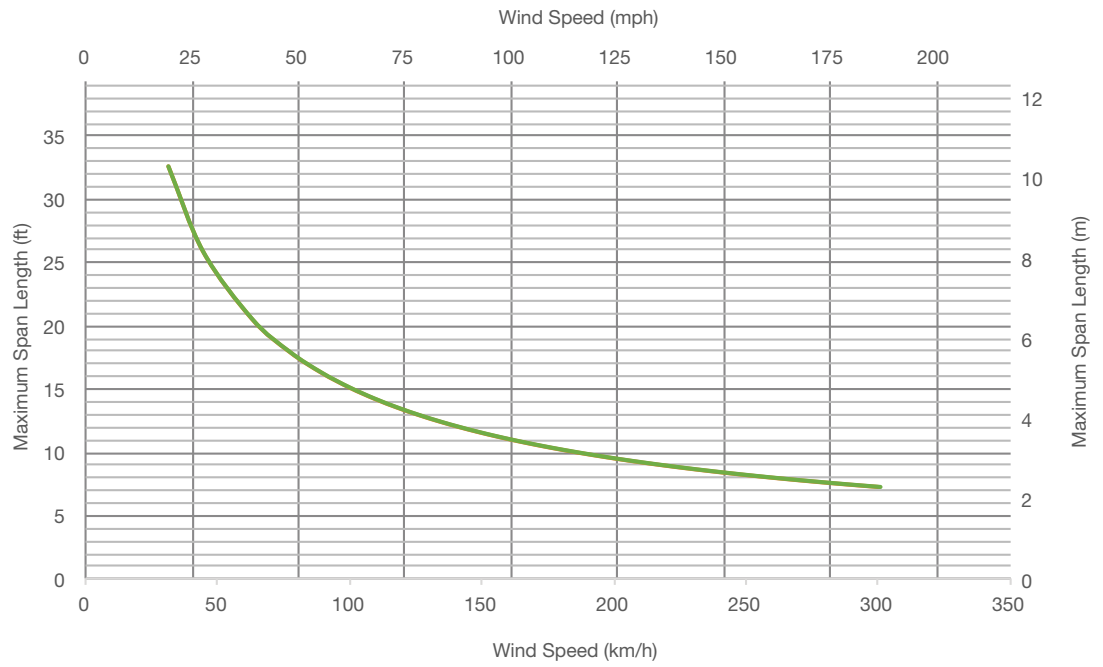
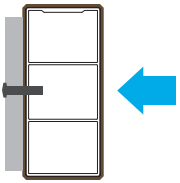


Soleo 6017

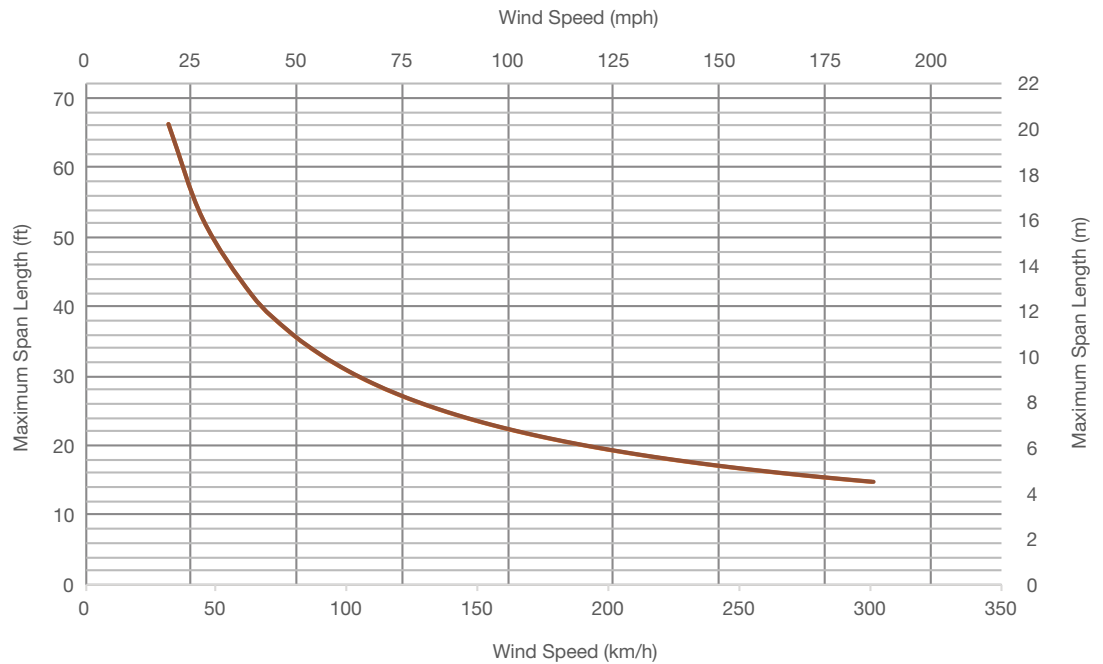
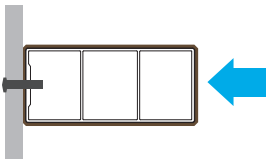


Dimensions	3 ⁵ / ₈ " x 1 ⁵ / ₈ " / 93 mm x 43 mm
Weight	1.08 lb/ft / 1.60 kg/ml
End Caps	Yes
Splices/Connectors	No

Span length for wind on wide side



Span length for wind on narrow side

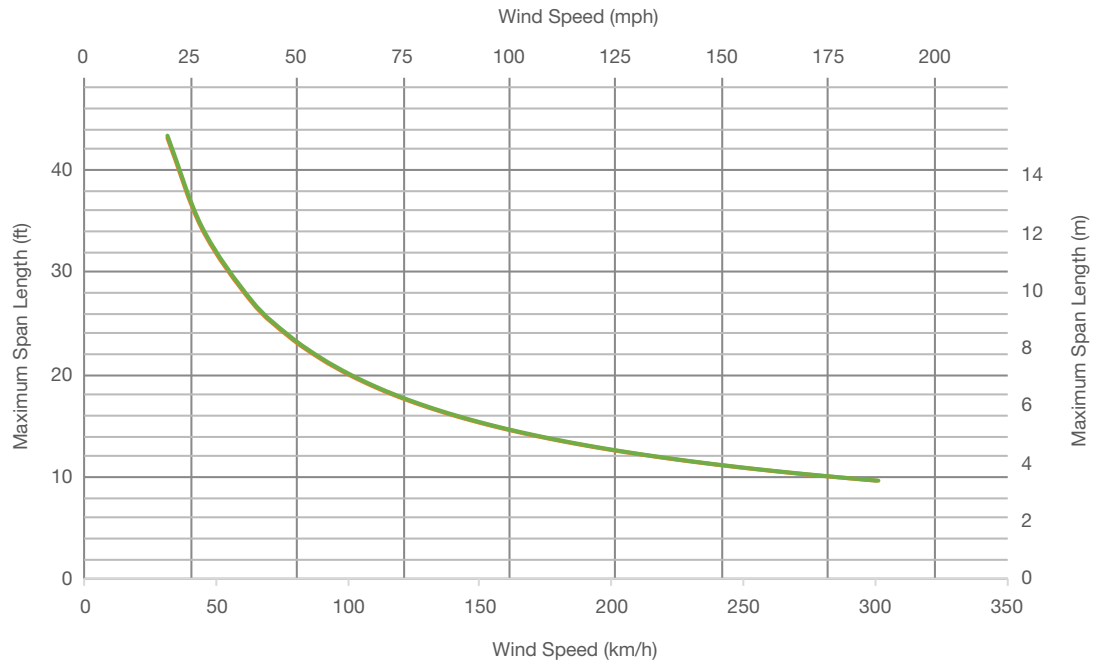
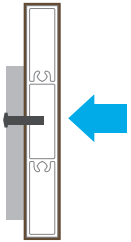


Soleo 6036

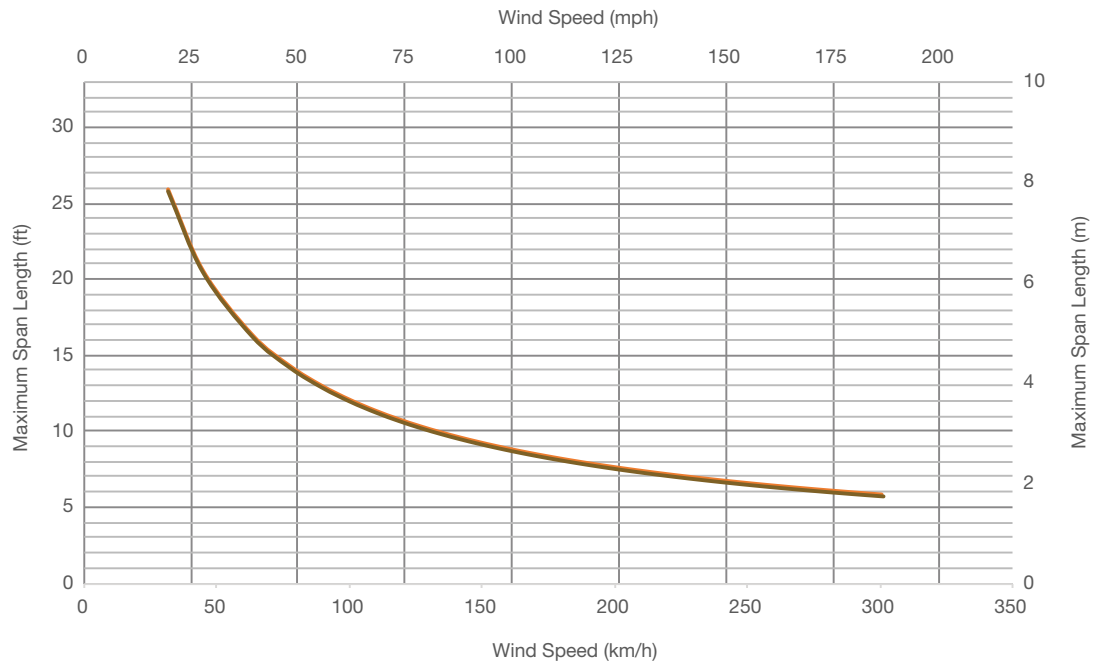
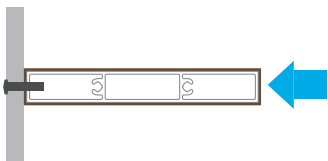


Dimensions	4" x 5/8" / 100 mm x 15 mm
Weight	0.67 lb/ft / 1.00 kg/ml
End Caps	No
Splices/Connectors	No

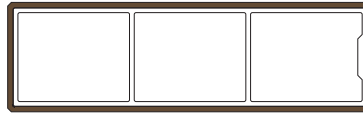
Span length for wind on wide side



Span length for wind on narrow side

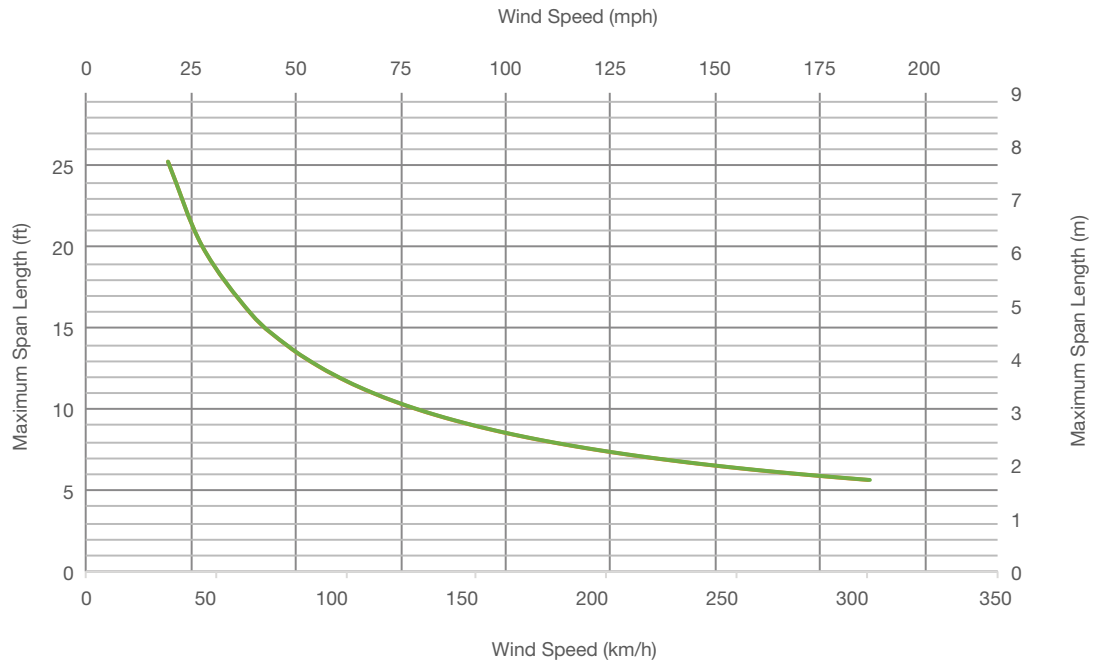
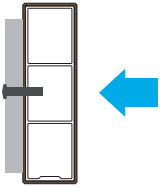


Soleo 6009

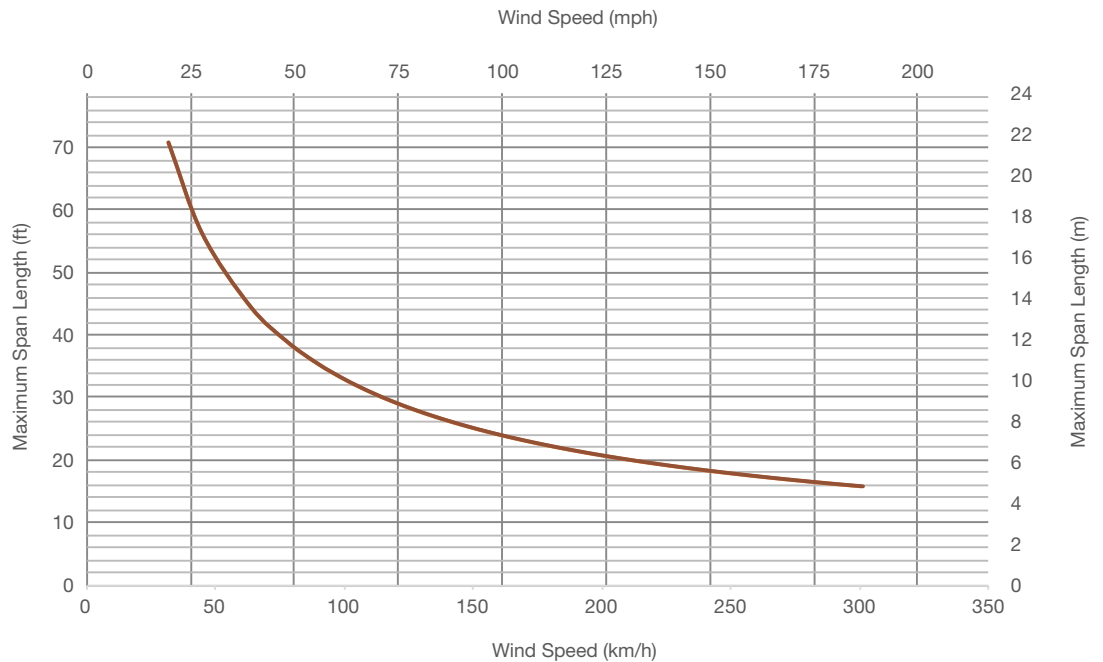
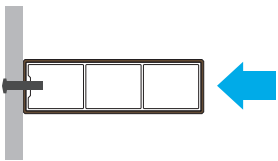


Dimensions	4" x 1 1/4" / 100 mm x 30 mm
Weight	0.94 lb/ft / 1.40 kg/ml
End Caps	Yes
Splices/Connectors	No

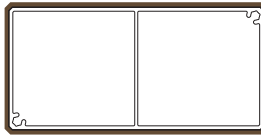
Span length for wind on wide side



Span length for wind on narrow side

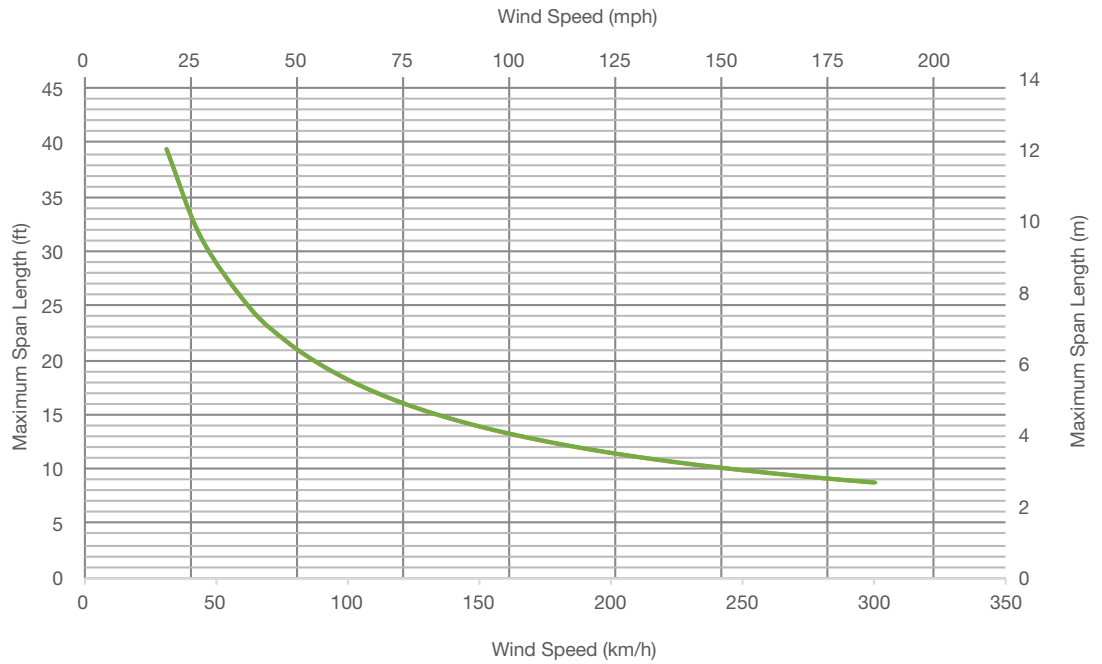
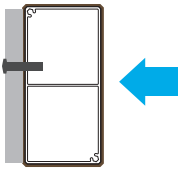


Soleo 6034

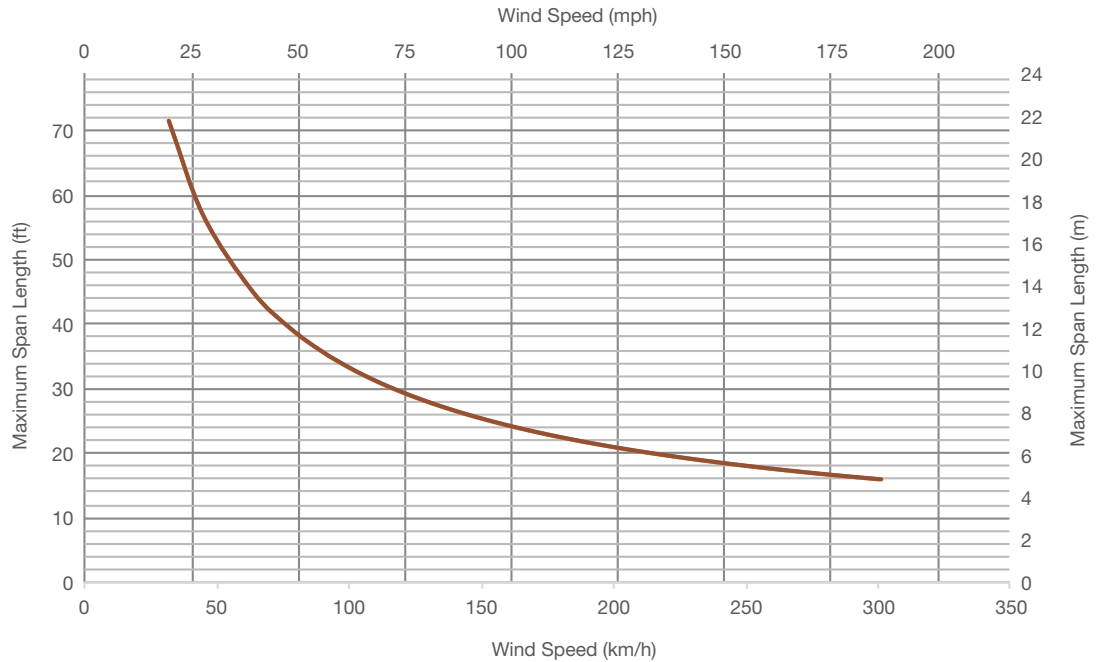
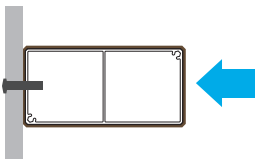


Dimensions	4 ¹ / ₈ " x 2 ¹ / ₈ " / 105 mm x 53 mm
Weight	1.30 lb/ft / 1.94 kg/ml
End Caps	Yes
Splices/Connectors	No

Span length for wind on wide side



Span length for wind on narrow side

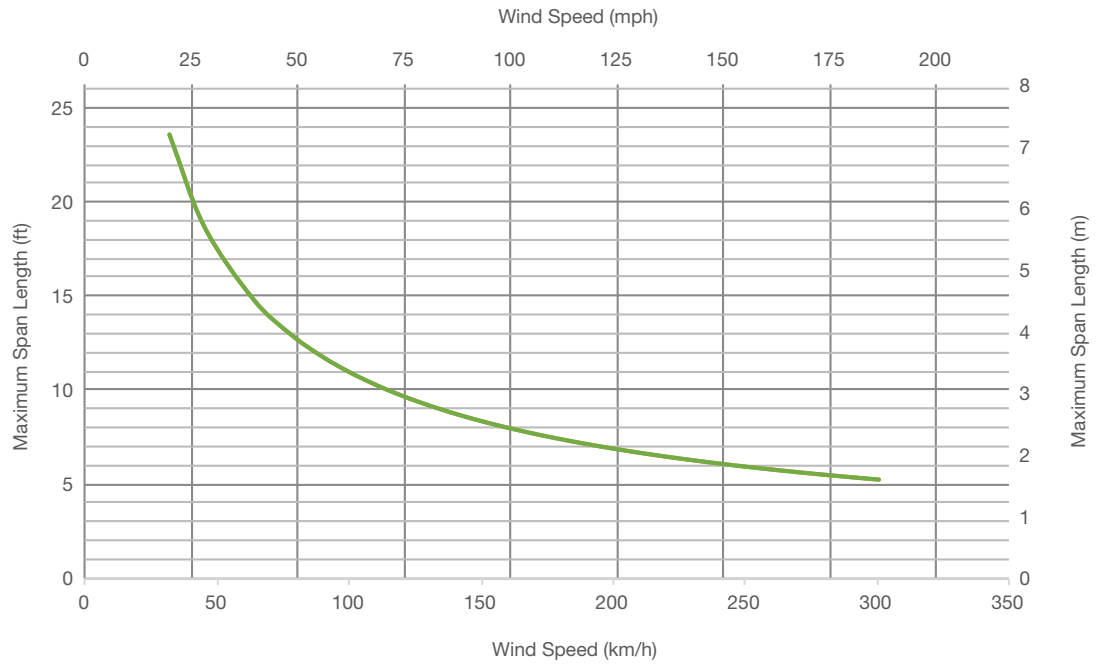
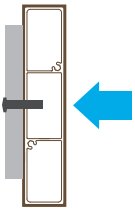


Soleo 6031

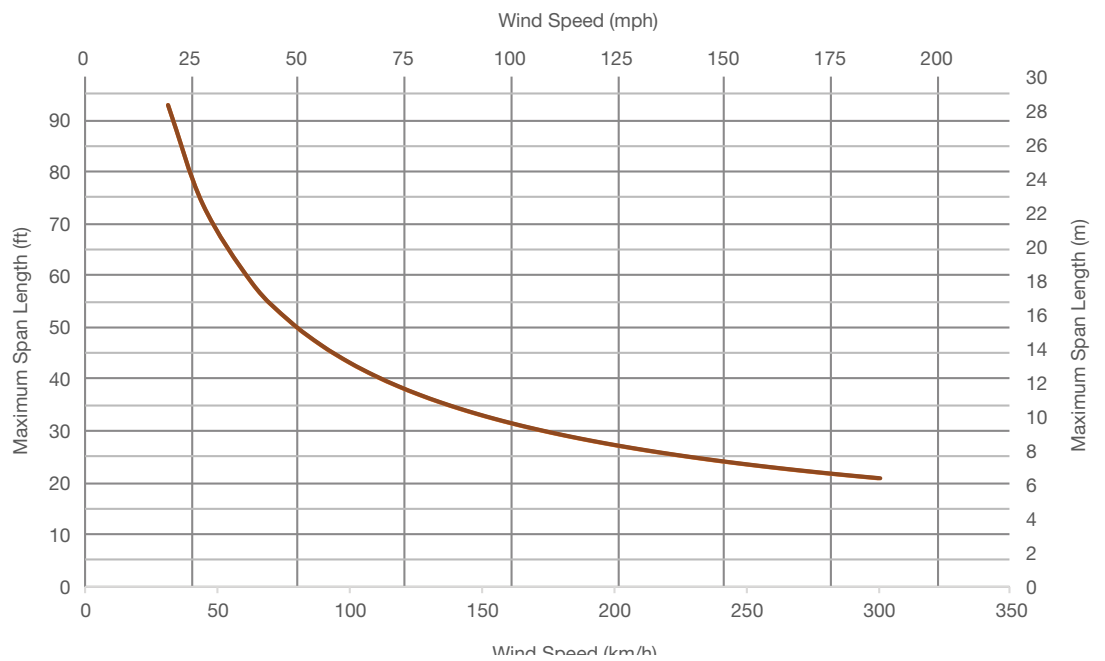
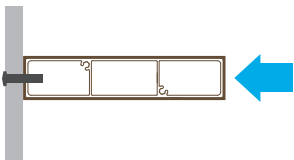


Dimensions	5" x 1 1/8" / 126 mm x 28 mm
Weight	1.08 lb/ft / 1.60 kg/ml
End Caps	Yes
Splices/Connectors	Yes

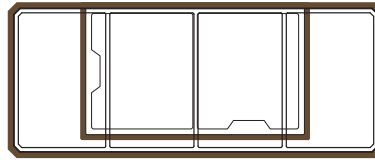
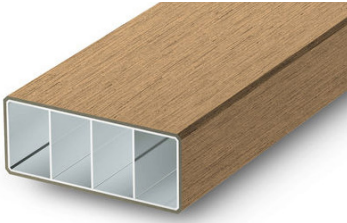
Span length for wind on wide side



Span length for wind on narrow side

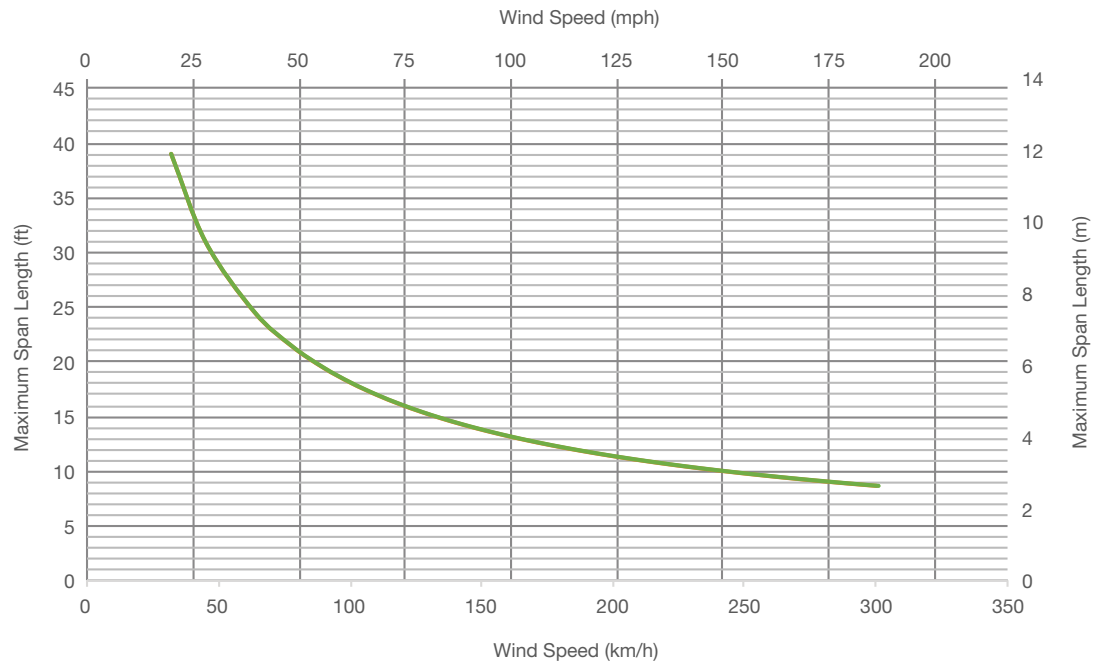
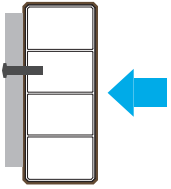


Soleo 6010

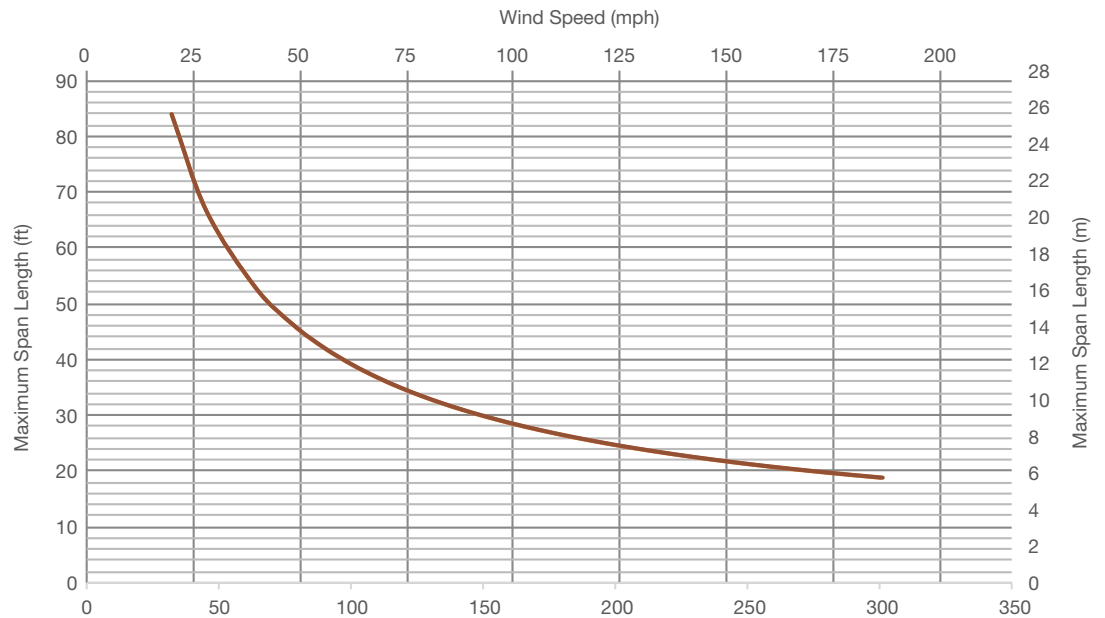
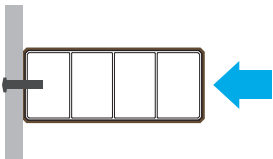


Dimensions	5 ¹ / ₈ " x 2 ¹ / ₈ " / 128 mm x 53 mm
Weight	1.55 lb/ft / 2.30 kg/ml
End Caps	Yes
Splices/Connectors	Yes

Span length for wind on wide side



Span length for wind on narrow side

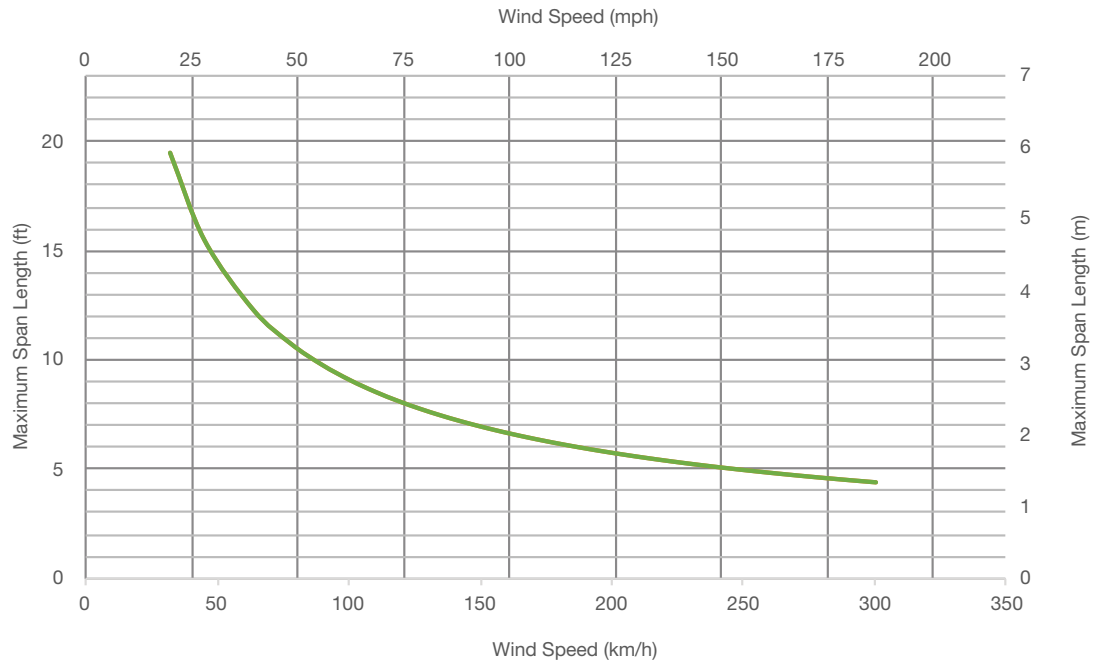
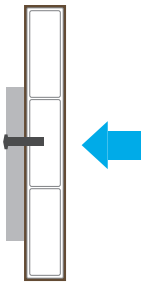


Soleo 6038

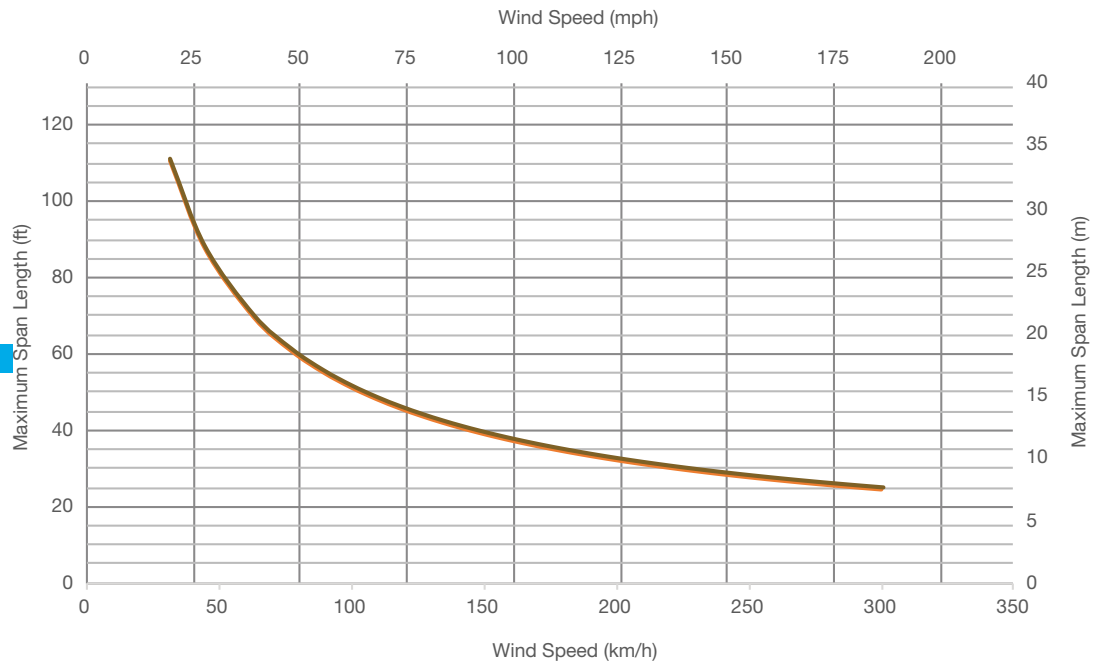
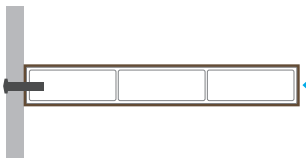


Dimensions	5 ³ / ₄ " x 7 ⁷ / ₈ " / 145 mm x 22 mm
Weight	1.34 lb/ft / 2.00 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind on wide side



Span length for wind on narrow side

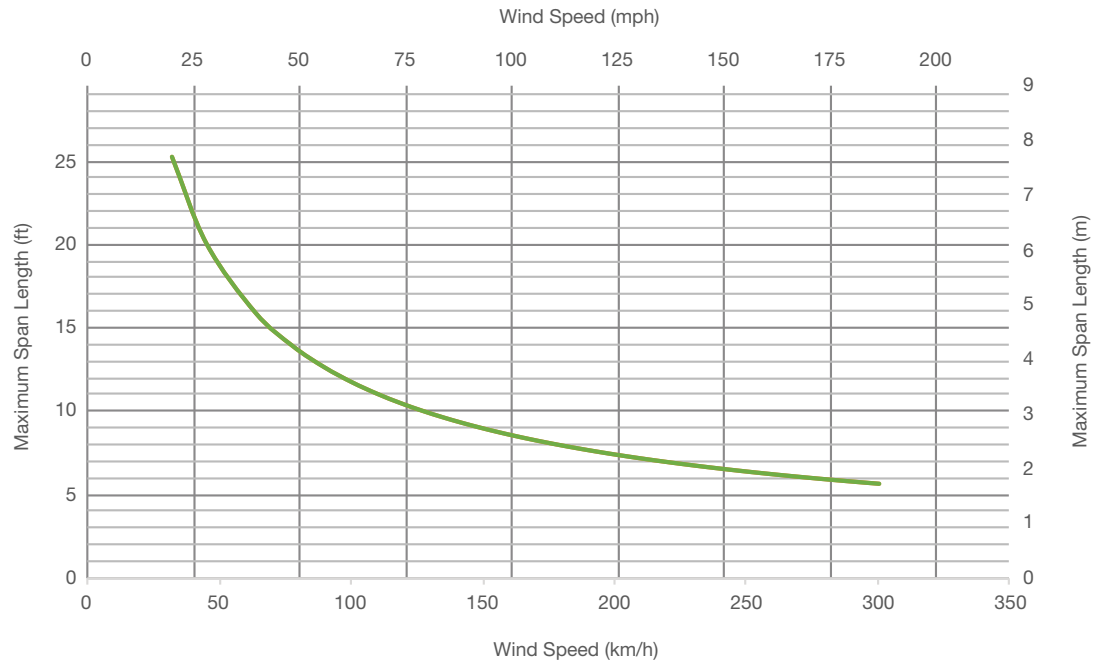
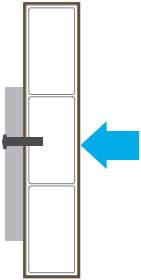


Soleo 6024

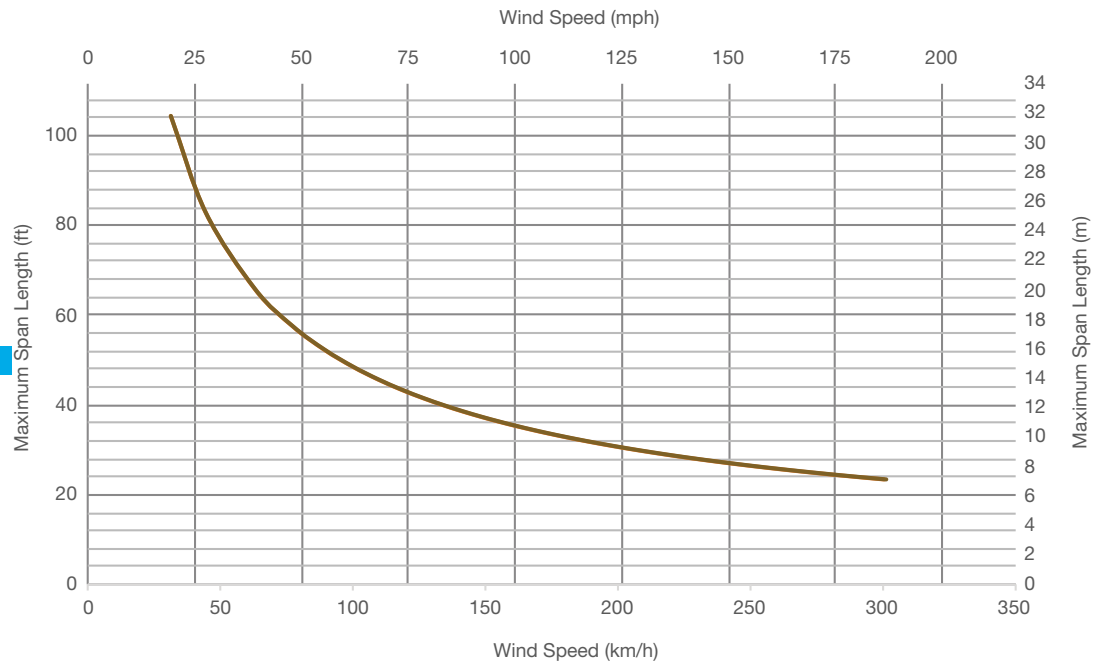
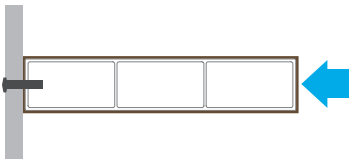


Dimensions	5 ³ / ₄ " x 1 ¹ / ₄ " / 145 mm x 30 mm
Weight	1.38 lb/ft / 2.06 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind on wide side



Span length for wind on narrow side

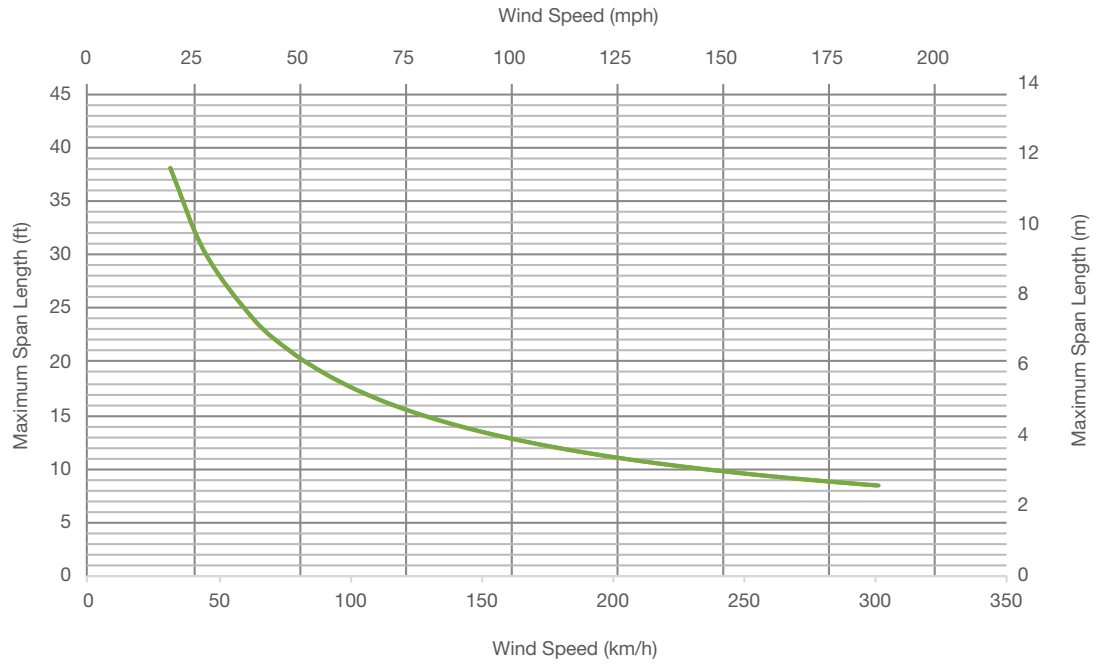
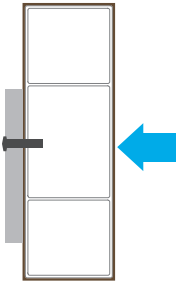


Soleo 6040

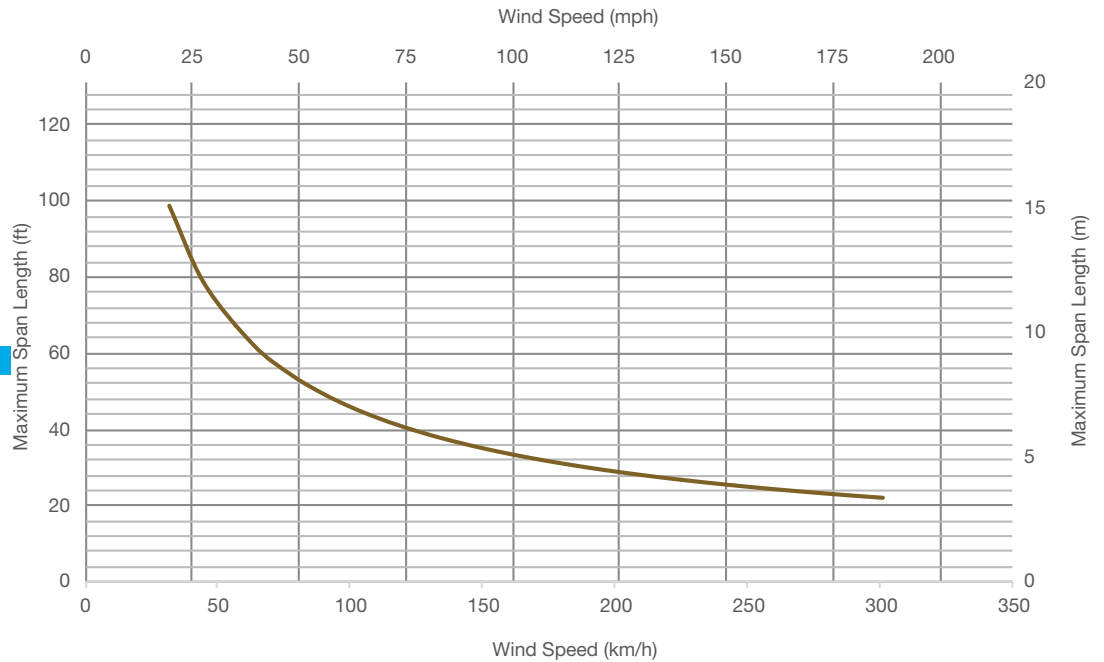
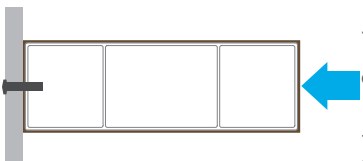


Dimensions	6" x 2" / 150 mm x 50 mm
Weight	1.61 lb/ft / 2.40 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind on wide side



Span length for wind on narrow side

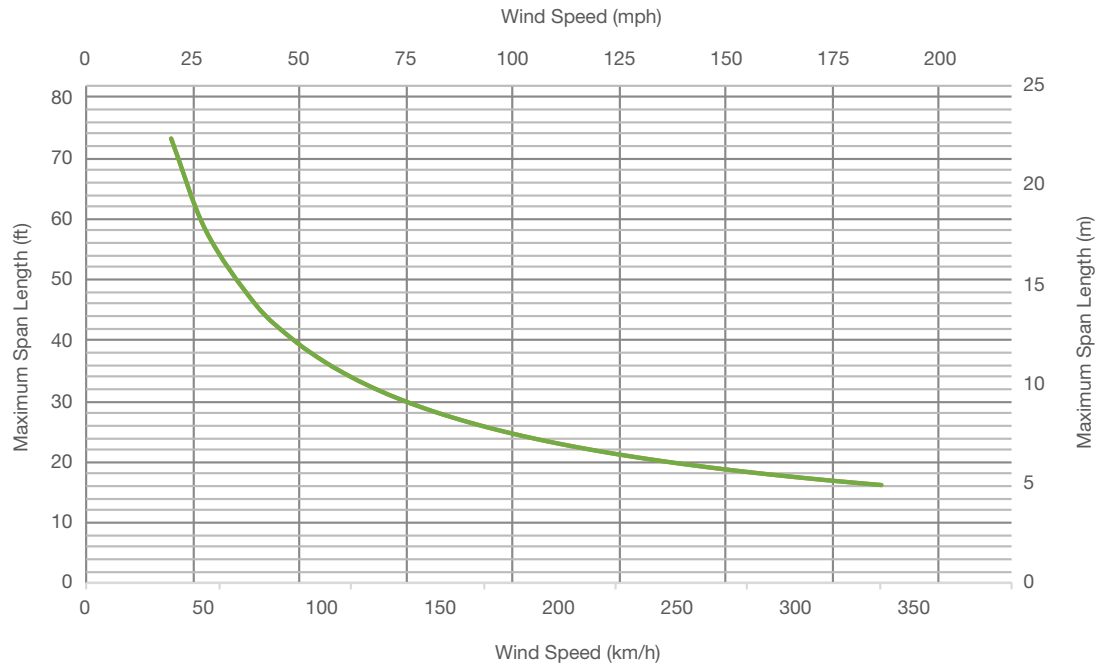
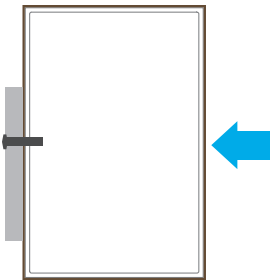


Soleo 6050

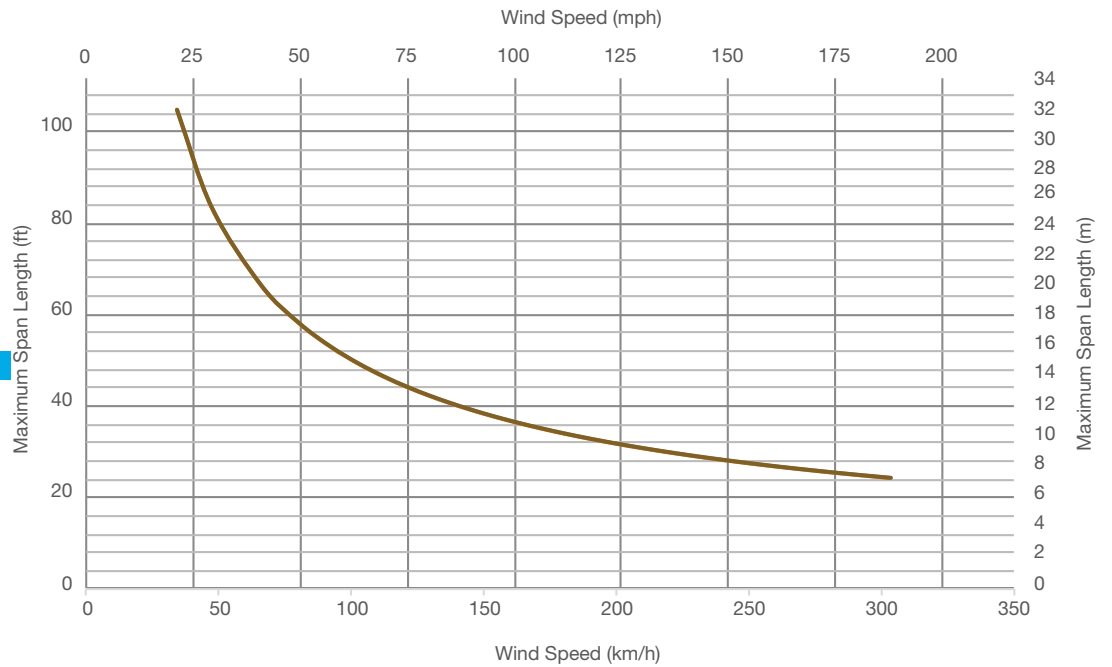


Dimensions	6" x 4" / 150 mm x 100 mm
Weight	2.62 lb/ft / 3.90 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind on wide side



Span length for wind on narrow side

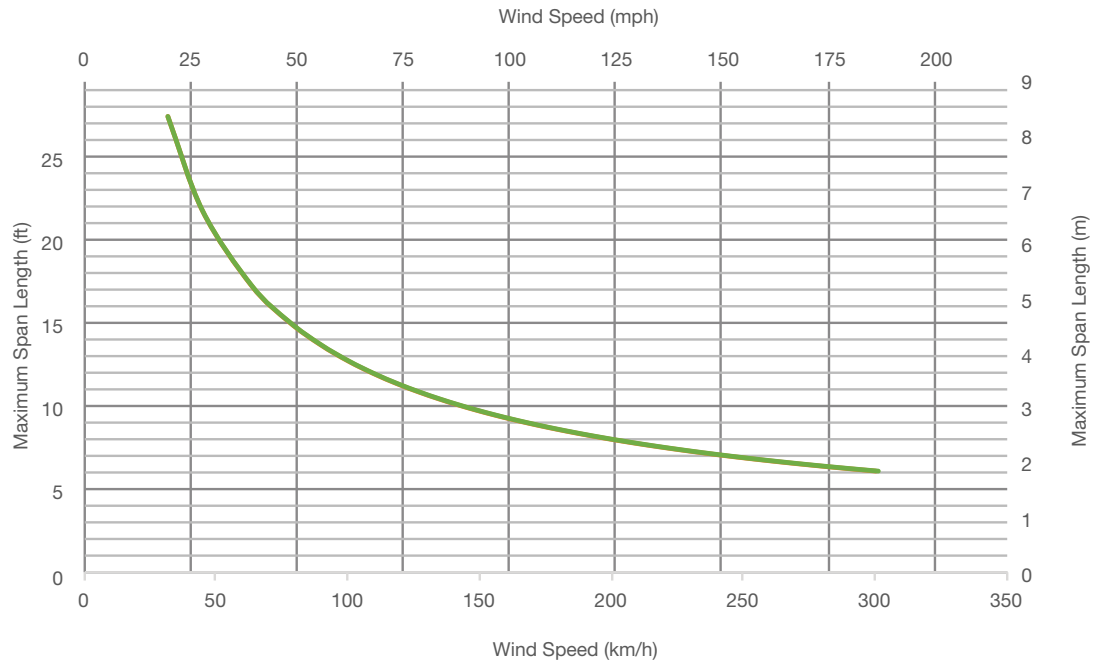
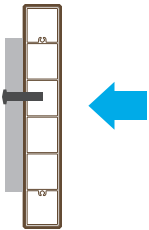


Soleo 6033

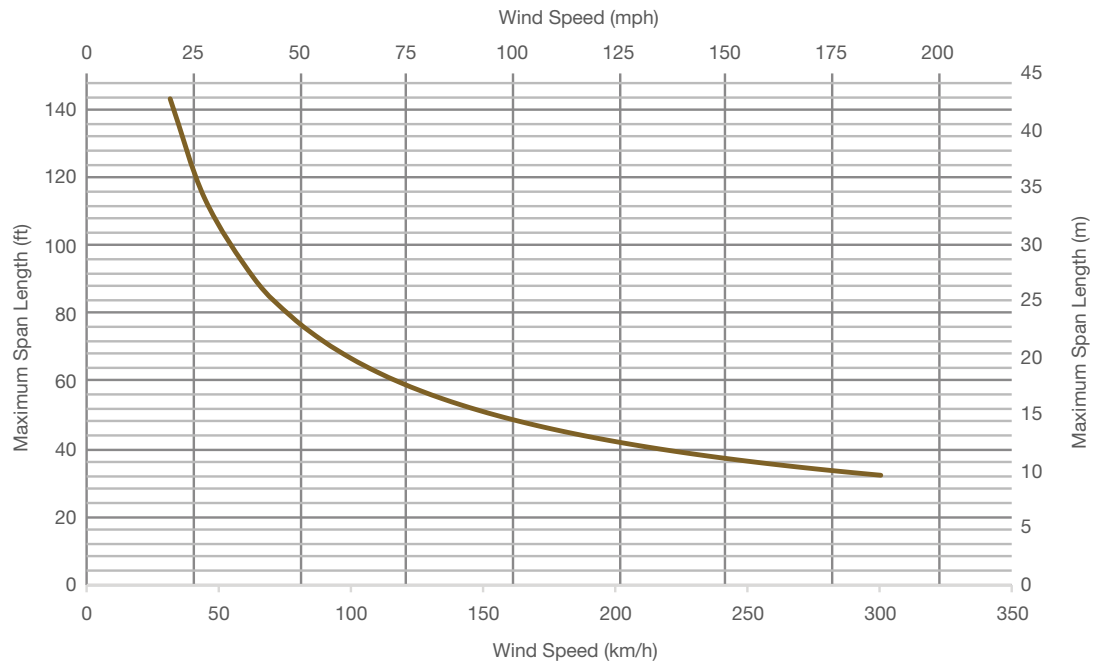
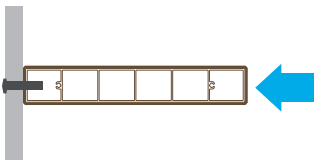


Dimensions	7 ⁷ / ₈ " x 1 ³ / ₈ " / 200 mm x 35 mm
Weight	2.22 lb/ft / 3.30 kg/ml
End Caps	Yes
Splices/Connectors	Yes

Span length for wind on wide side



Span length for wind on narrow side

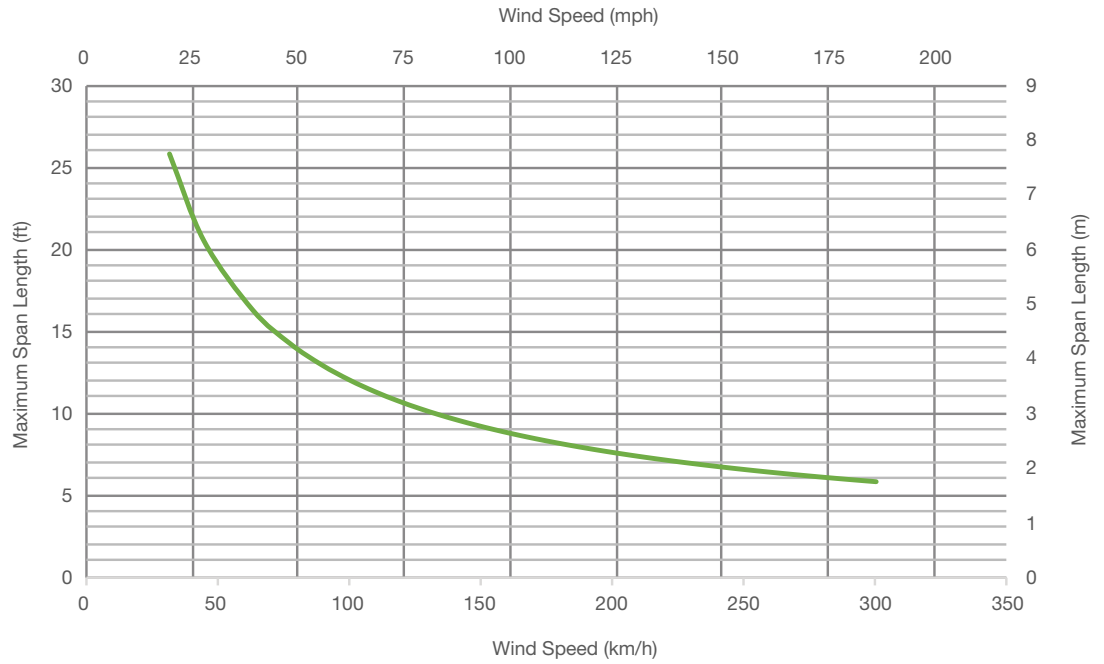
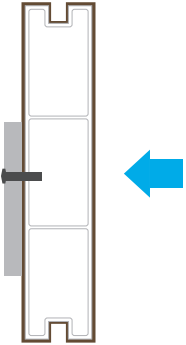


Planeo 4010

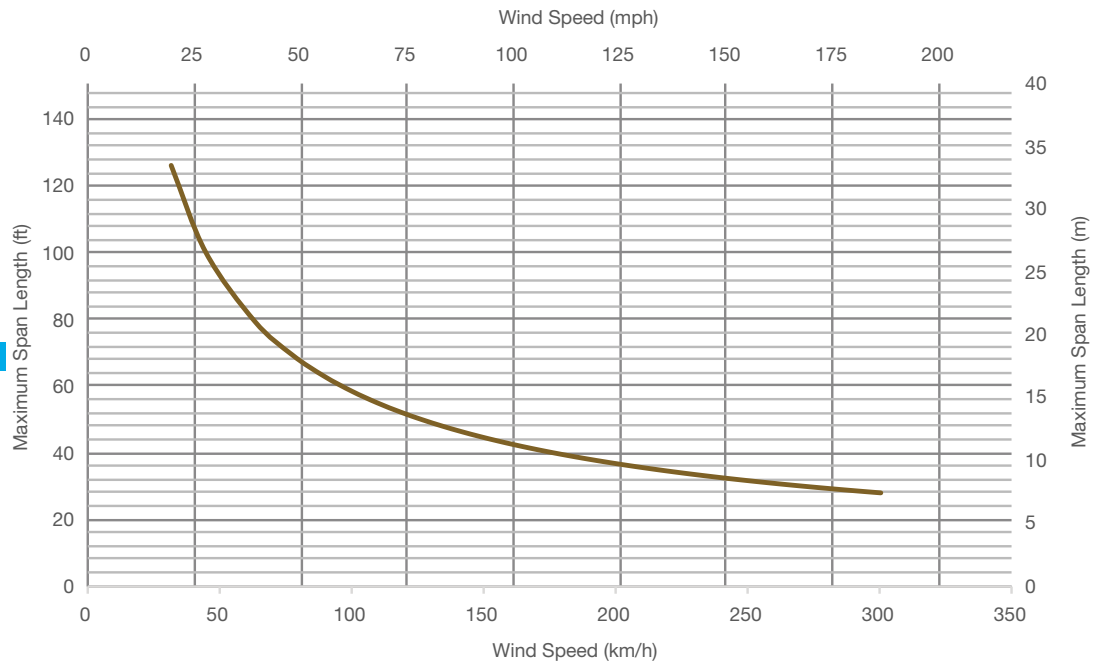
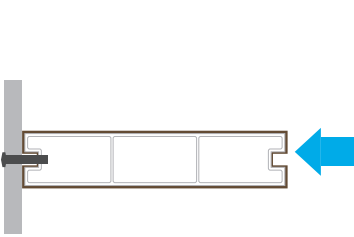


Dimensions	145 mm x 30 mm / 5 ³ / ₄ " x 1 ¹ / ₄ "
Weight	2.21 kg/ml / 1.49 lb/ft
End Caps	No
Splices/Connectors	No

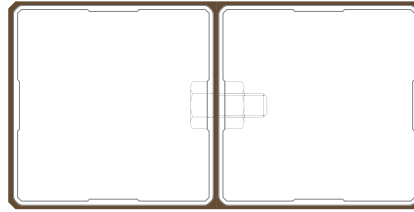
Span length for wind on wide side



Span length for wind on narrow side



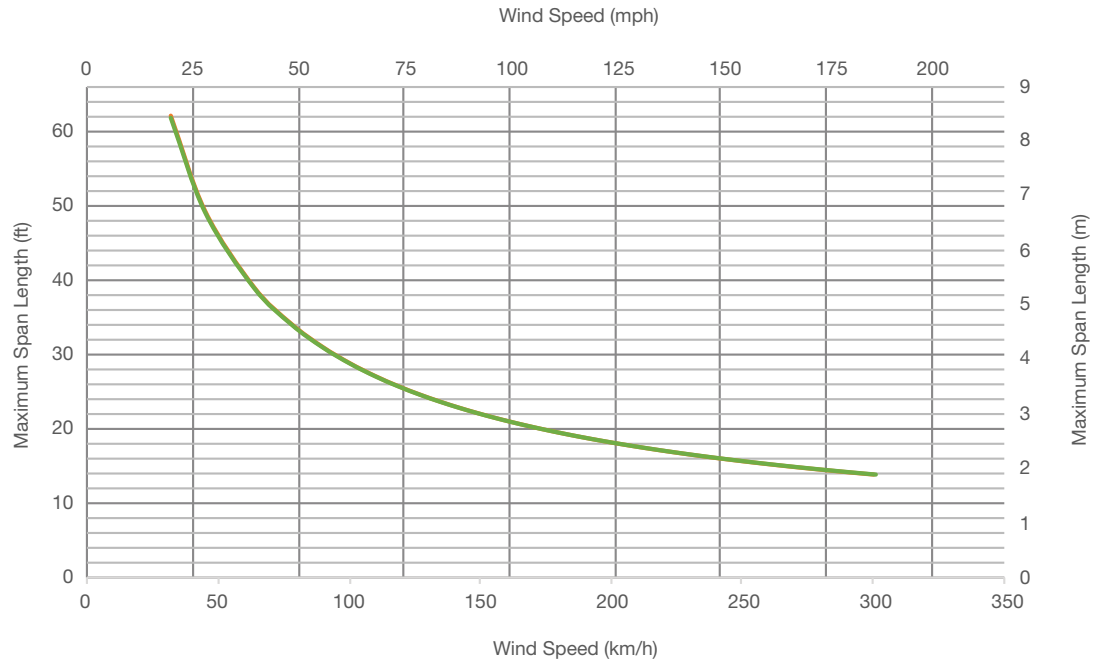
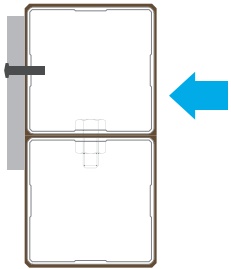
Planeo 4044



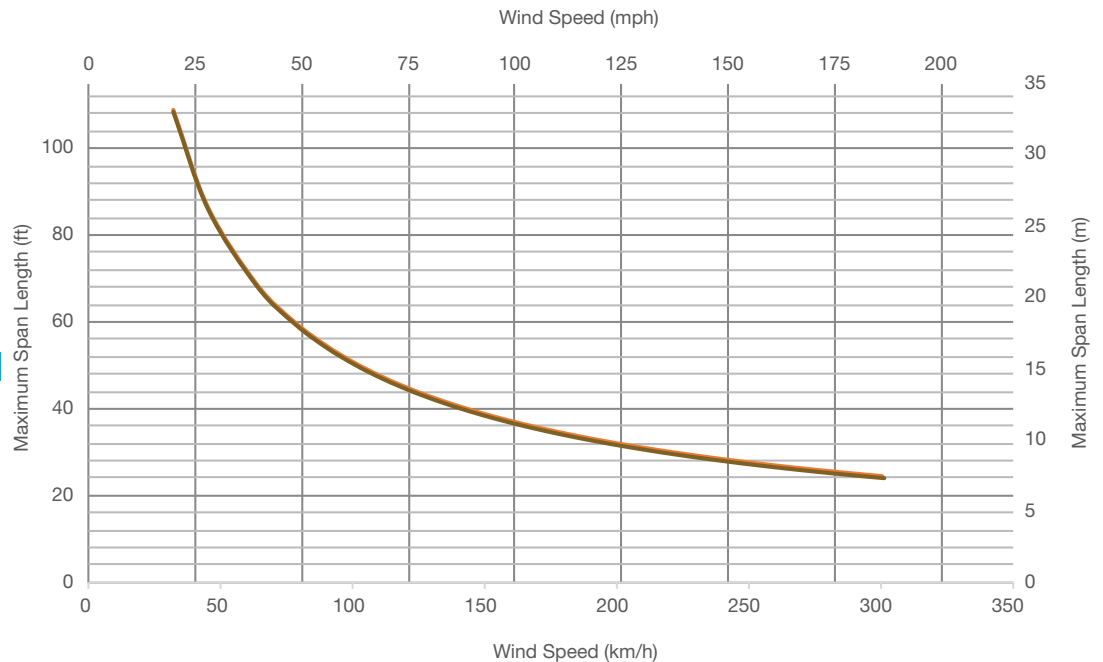
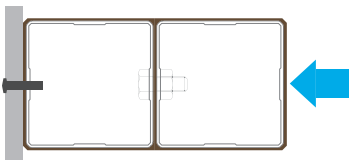
Dimensions	6 ⁷ / ₈ " x 3 ³ / ₈ " / 174 mm x 87 mm
Weight	3.04 lb/ft / 4.52 kg/ml
End Caps	No
Splices/Connectors	No

Planeo boards cannot be cut within the bolts at either board end. Refer to Architectural Elements Installation Guide for more details.

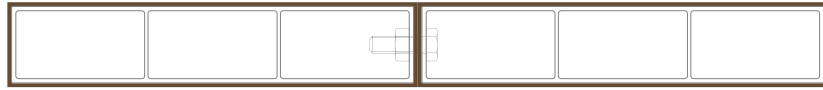
Span length for wind on wide side



Span length for wind on narrow side



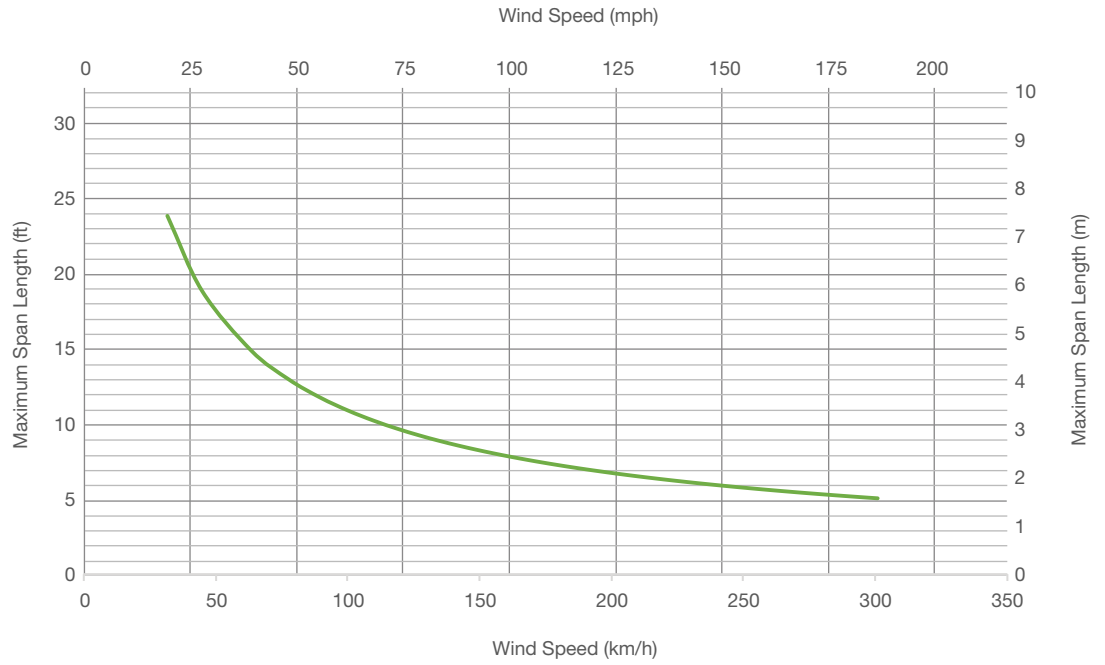
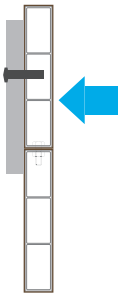
Planeo 4123



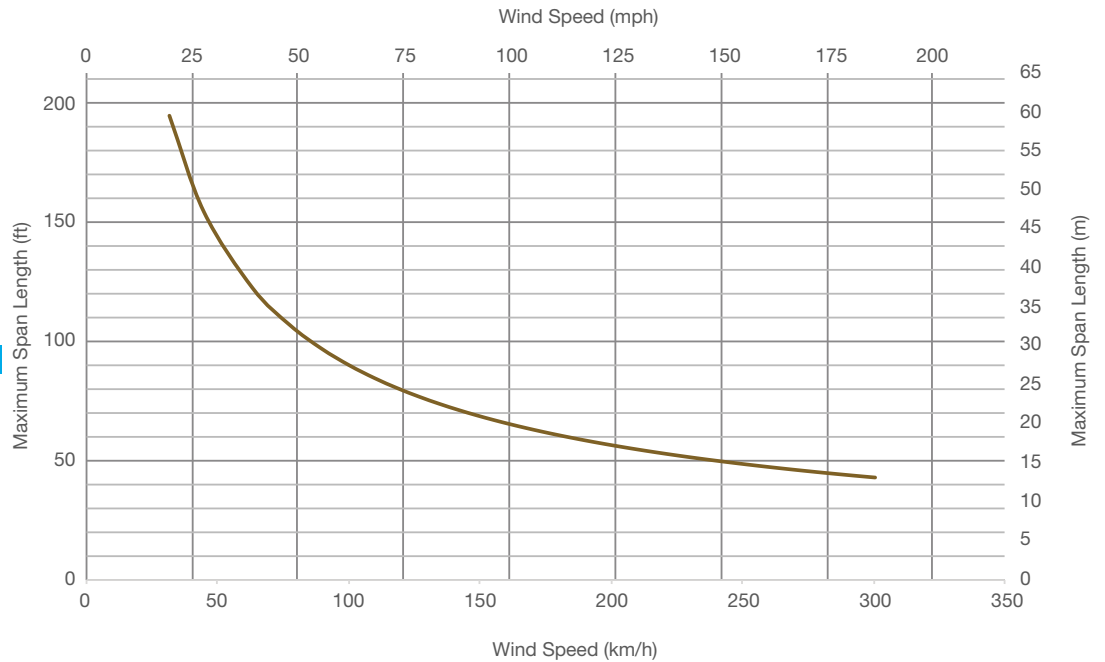
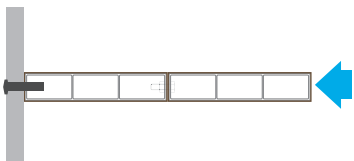
Dimensions	11 ³ / ₈ " x 1 ³ / ₈ " / 290 mm x 30 mm
Weight	2.51 lb/ft / 3.74 kg/ml
End Caps	No
Splices/Connectors	No

Planeo boards cannot be cut within the bolts at either board end. Refer to Architectural Elements Installation Guide for more details.

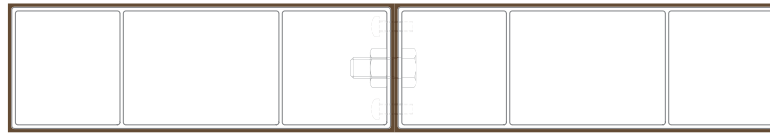
Span length for wind on wide side



Span length for wind on narrow side



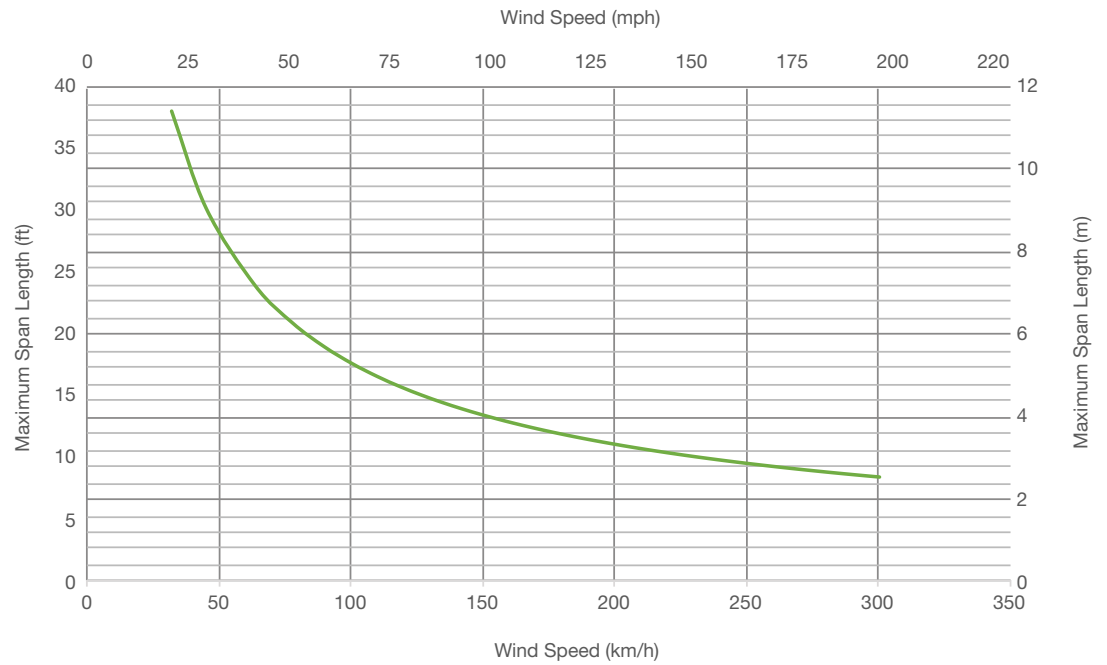
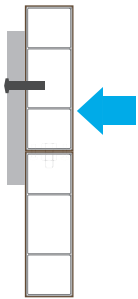
Planeo 4048



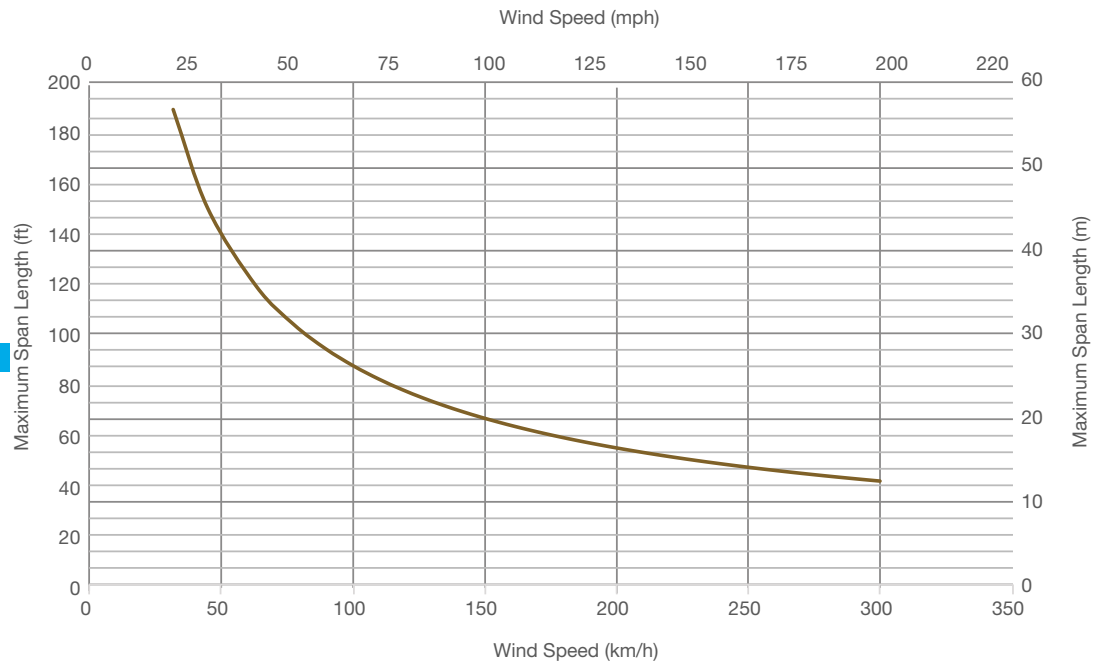
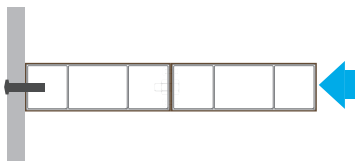
Dimensions	11 ³ / ₄ " x 2" / 300 mm x 50 mm
Weight	3.23 lb/ft / 4.80 kg/ml
End Caps	No
Splices/Connectors	No

Planeo boards cannot be cut within the bolts at either board end. Refer to Architectural Elements Installation Guide for more details.

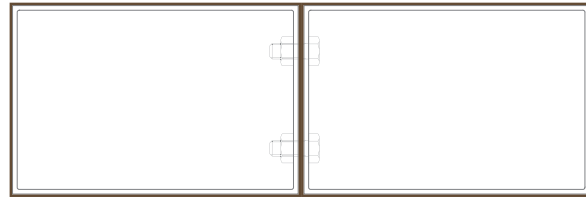
Span length for wind on wide side



Span length for wind on narrow side



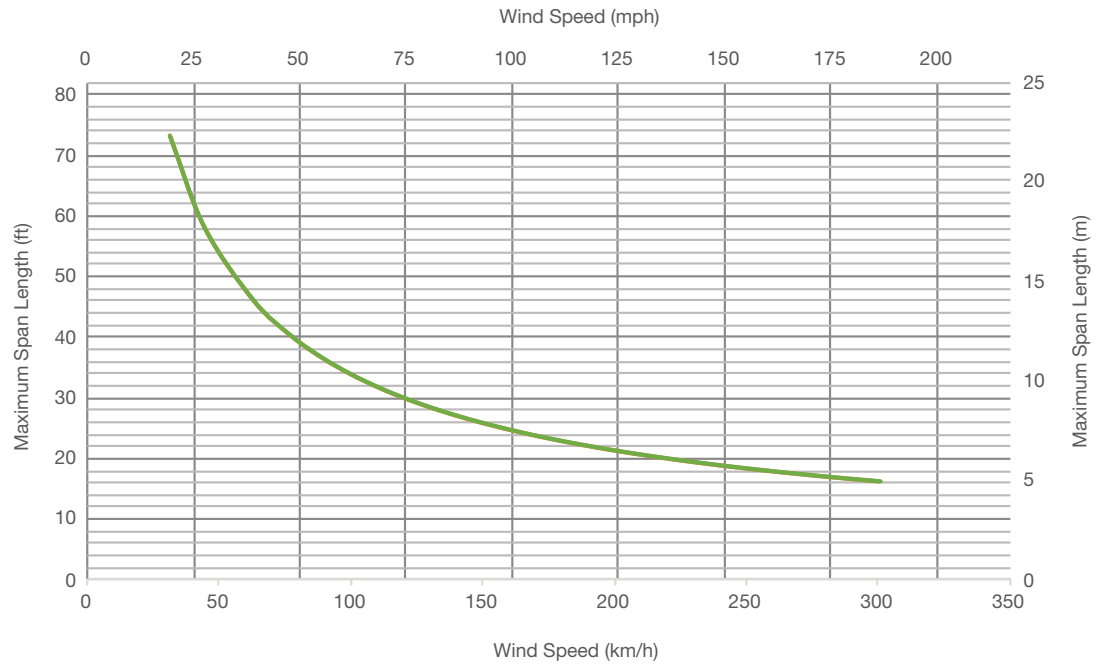
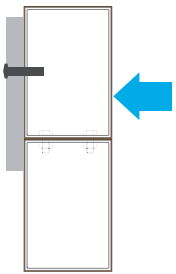
Planeo 4061



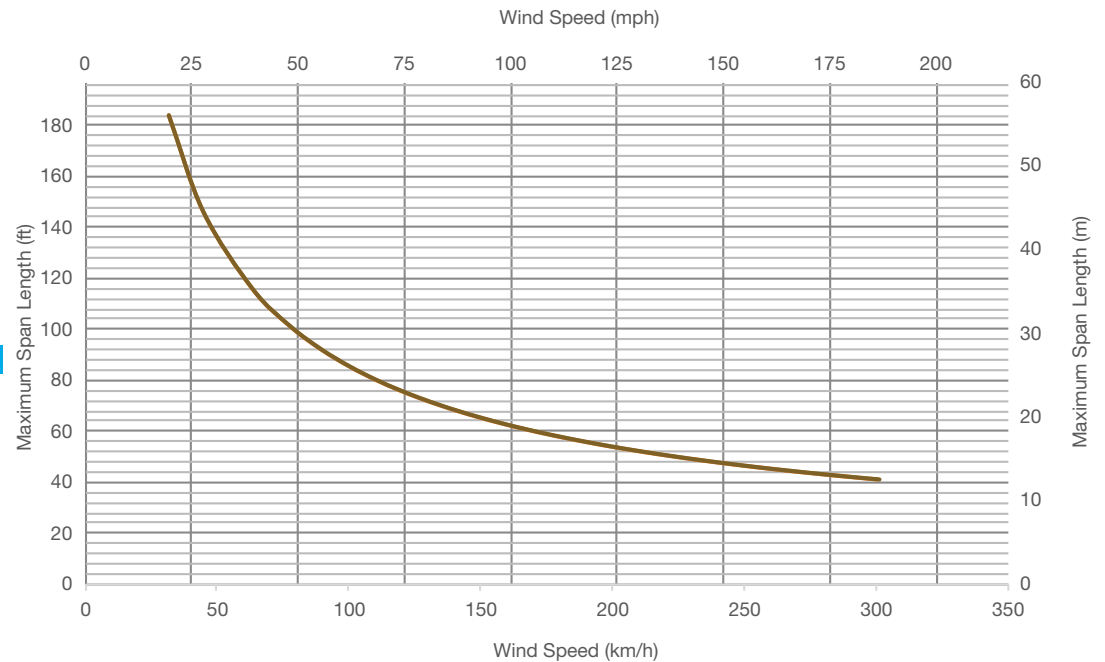
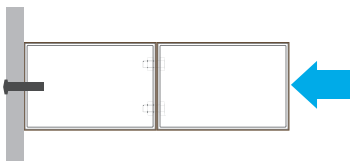
Dimensions	11 ³ / ₄ " x 4" / 300 mm x 100 mm
Weight	6.38 lb/ft / 9.50 kg/ml
End Caps	No
Splices/Connectors	No

Planeo boards cannot be cut within the bolts at either board end. Refer to Architectural Elements Installation Guide for more details.

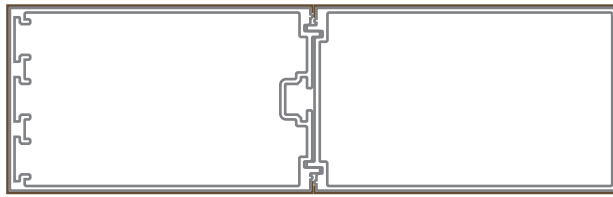
Span length for wind on wide side



Span length for wind on narrow side



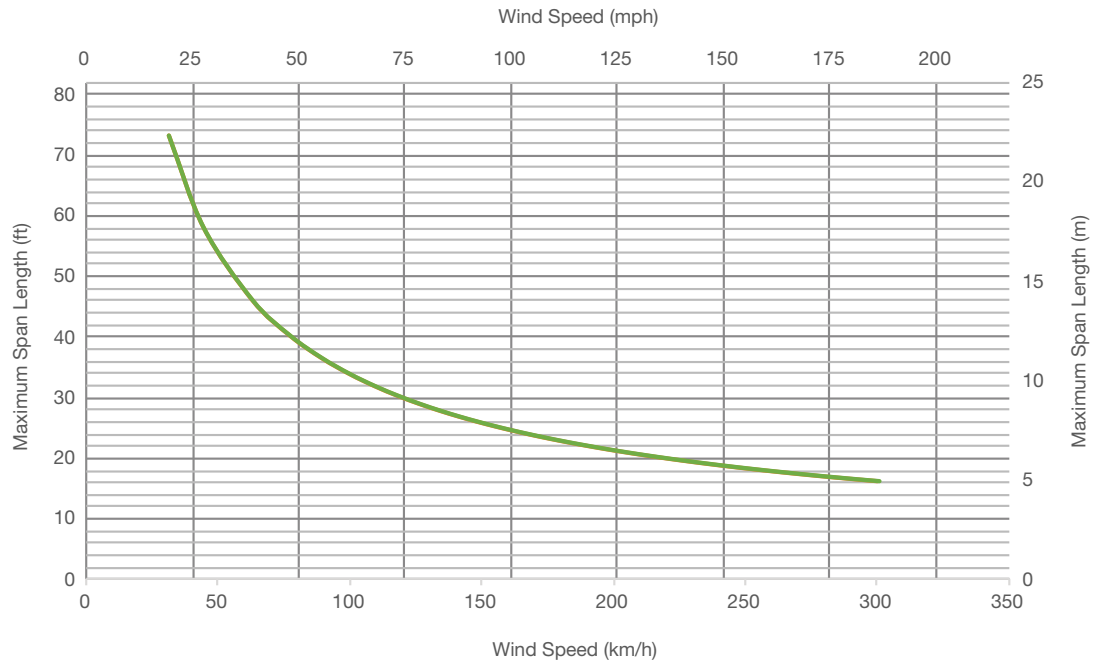
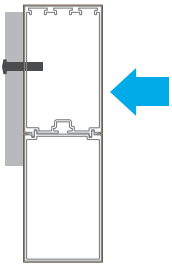
Planeo 4046



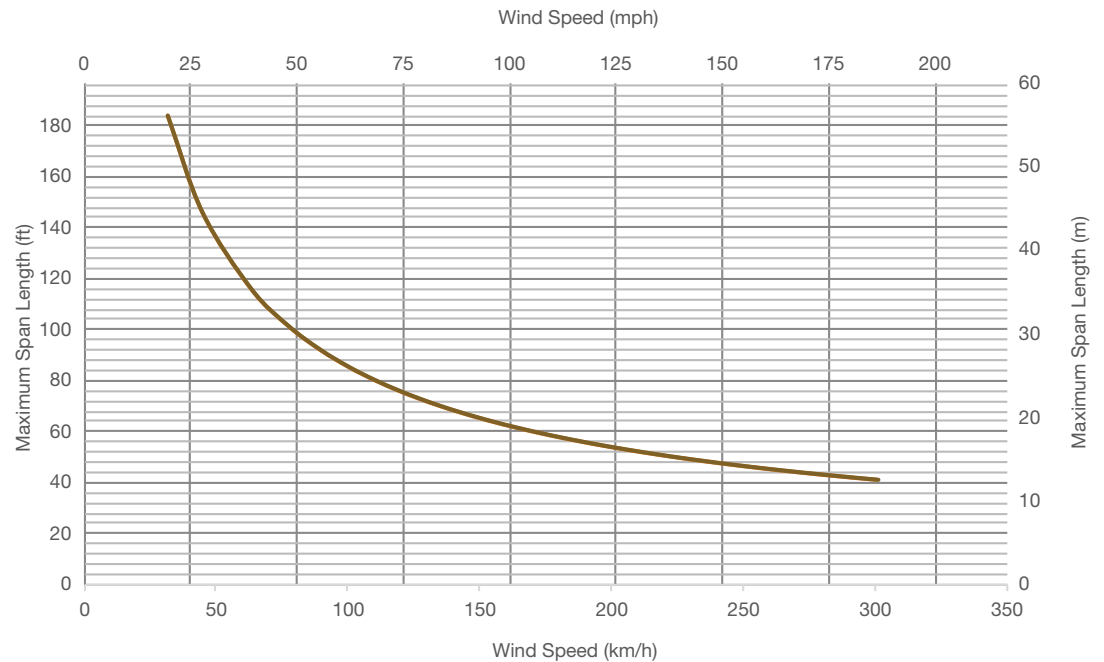
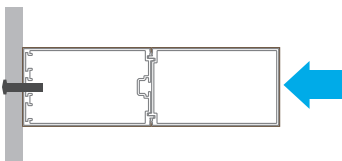
Dimensions	13 ³ / ₄ " x 4 ¹ / ₄ " / 350 mm x 110 mm
Weight	6.65 lb/ft / 9.90 kg/ml
End Caps	No
Splices/Connectors	No

Planeo boards cannot be cut within the bolts at either board end. Refer to Architectural Elements Installation Guide for more details.

Span length for wind on wide side



Span length for wind on narrow side



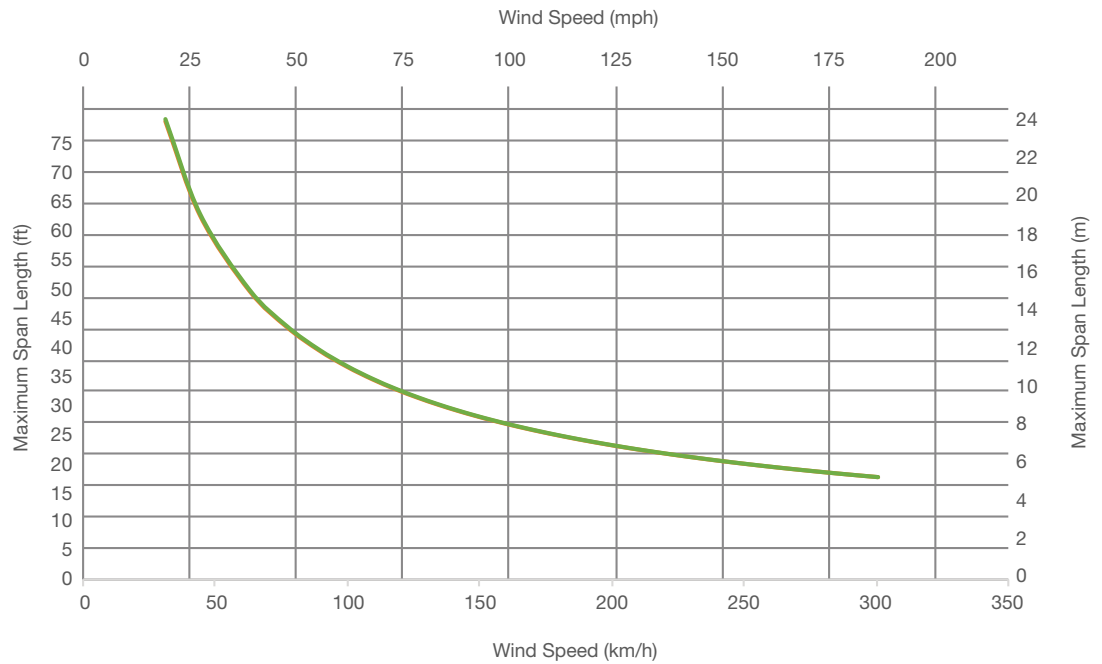
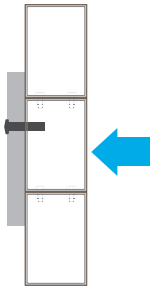
Planeo 4062



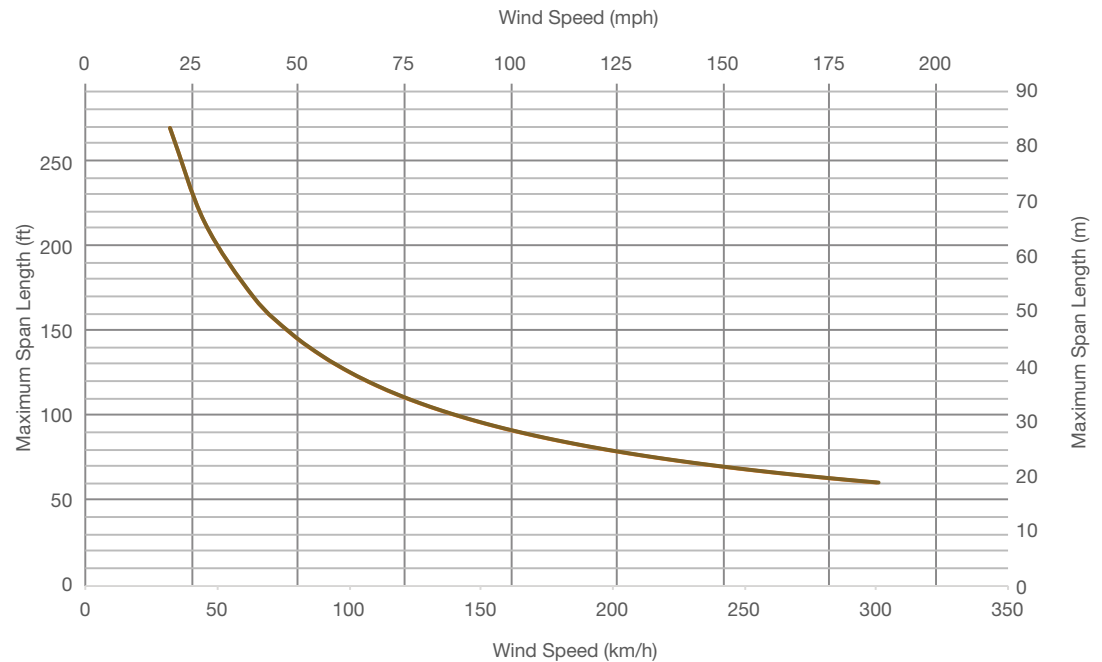
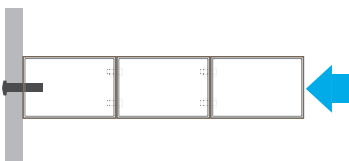
Dimensions	17 ³ / ₄ " x 4" / 450 mm x 100 mm
Weight	9.58 lb/ft / 14.25 kg/ml
End Caps	No
Splices/Connectors	No

Planeo boards cannot be cut within the bolts at either board end. Refer to Architectural Elements Installation Guide for more details.

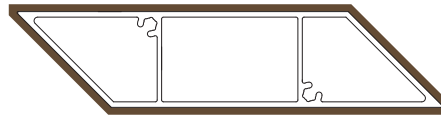
Span length for wind on wide side



Span length for wind on narrow side

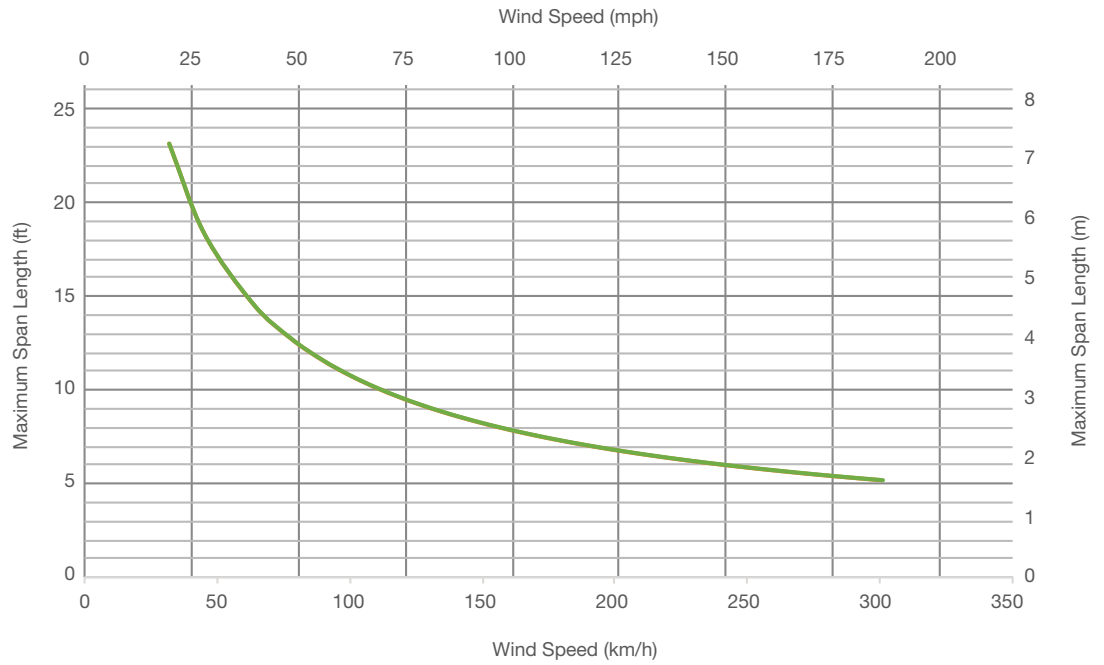
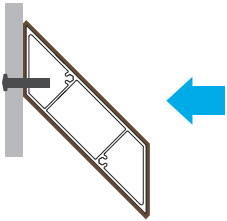


Diameo 2018

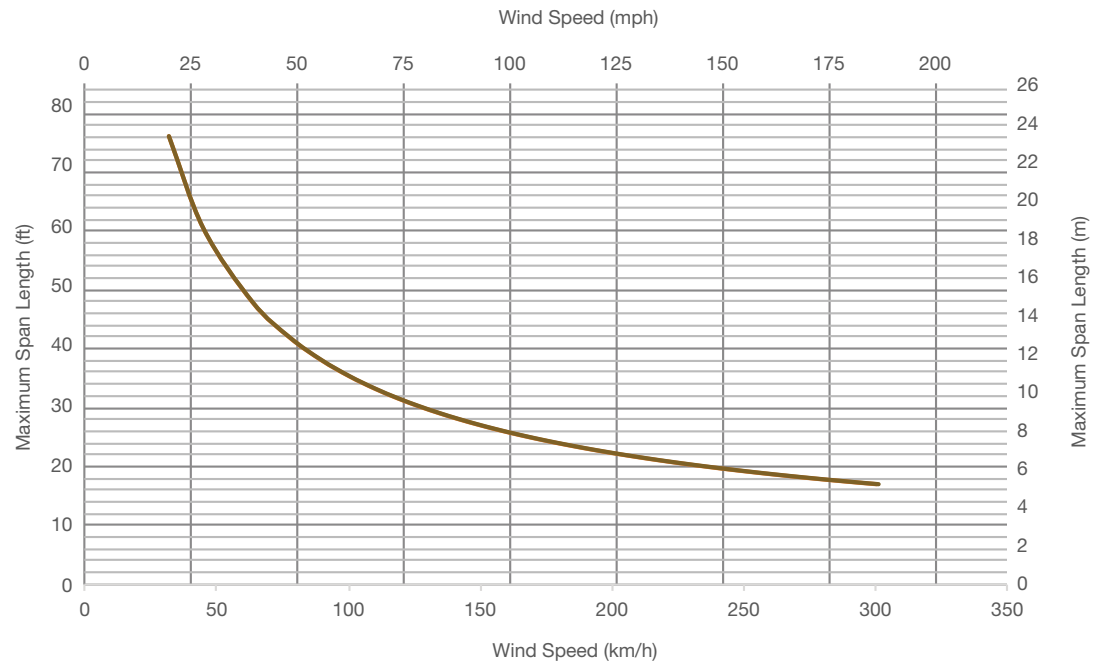
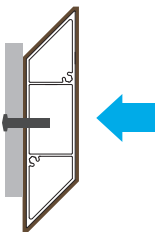


Dimensions	4 ³ / ₄ " x 1 ¹ / ₄ " / 120 mm x 30 mm
Weight	0.95 lb/ft / 1.42 kg/ml
End Caps	Yes
Splices/Connectors	Yes

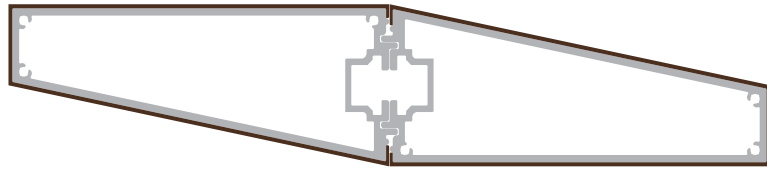
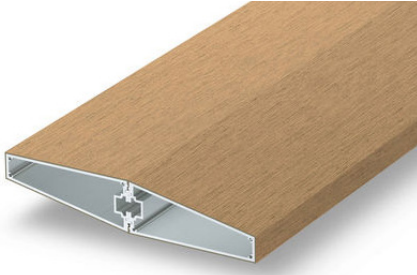
Span length for wind on wide side



Span length for wind on narrow side

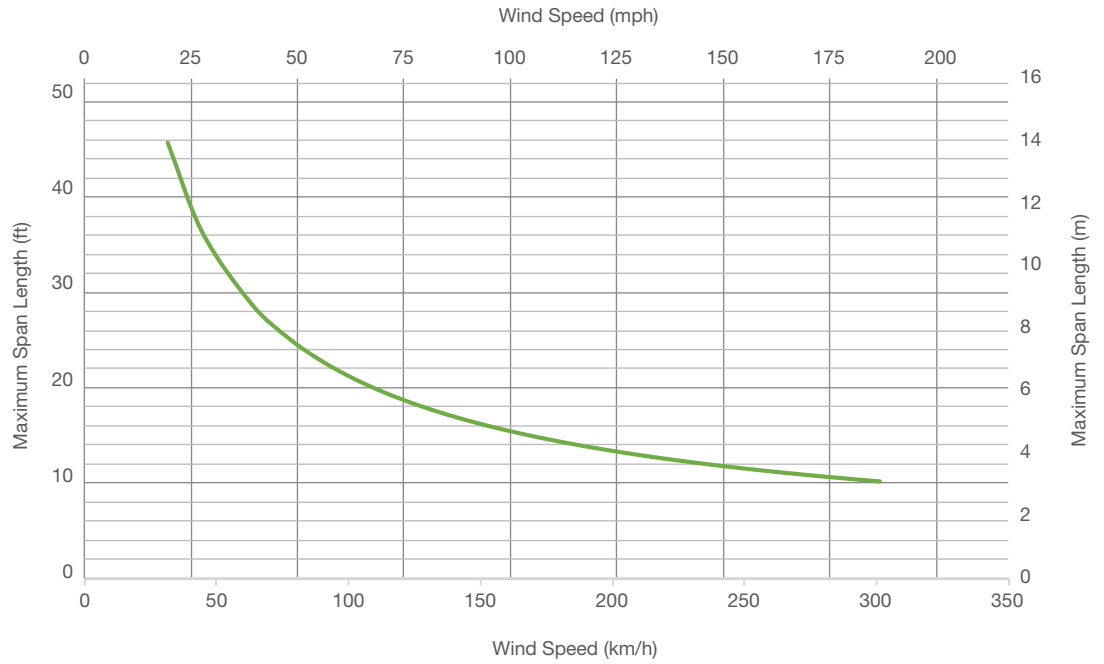
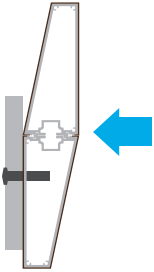


Diameo 2023

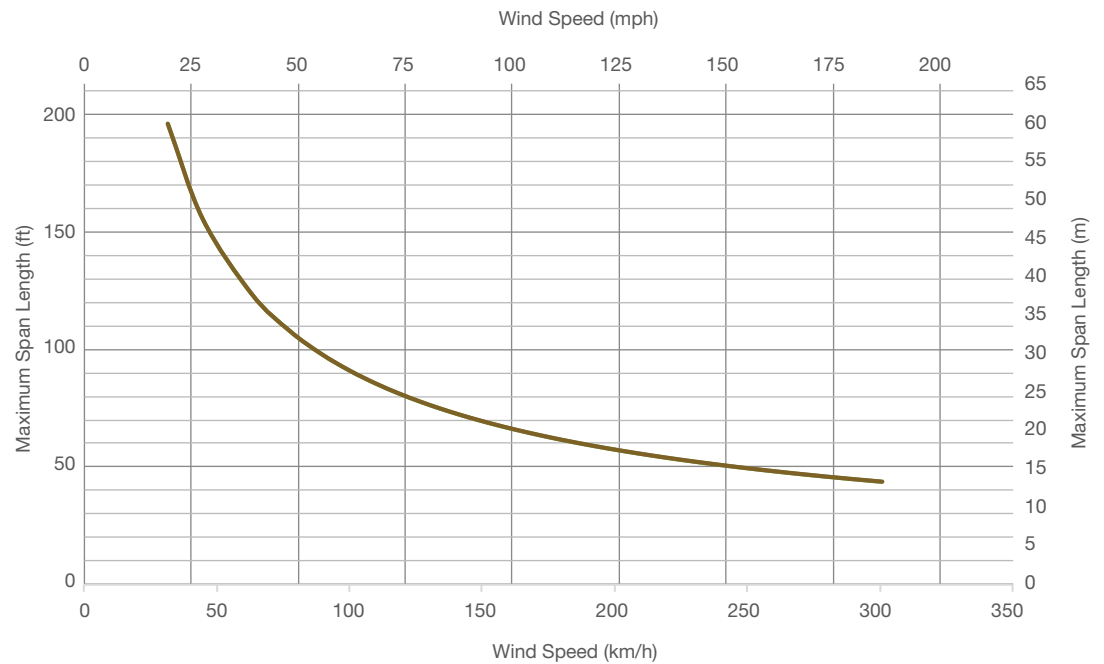
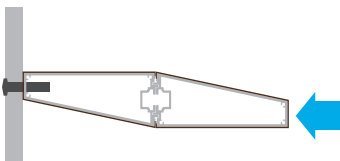


Dimensions	11 ³ / ₄ " x 2 ³ / ₈ " / 60 mm x 300 mm
Weight	4.99 lb/ft / 7.43 kg/ml
End Caps	No
Splices/Connectors	No

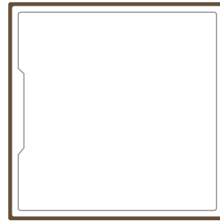
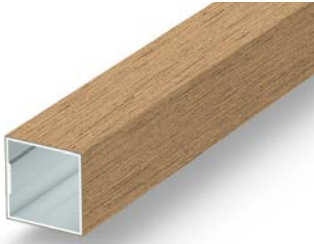
Span length for wind on wide side



Span length for wind on narrow side

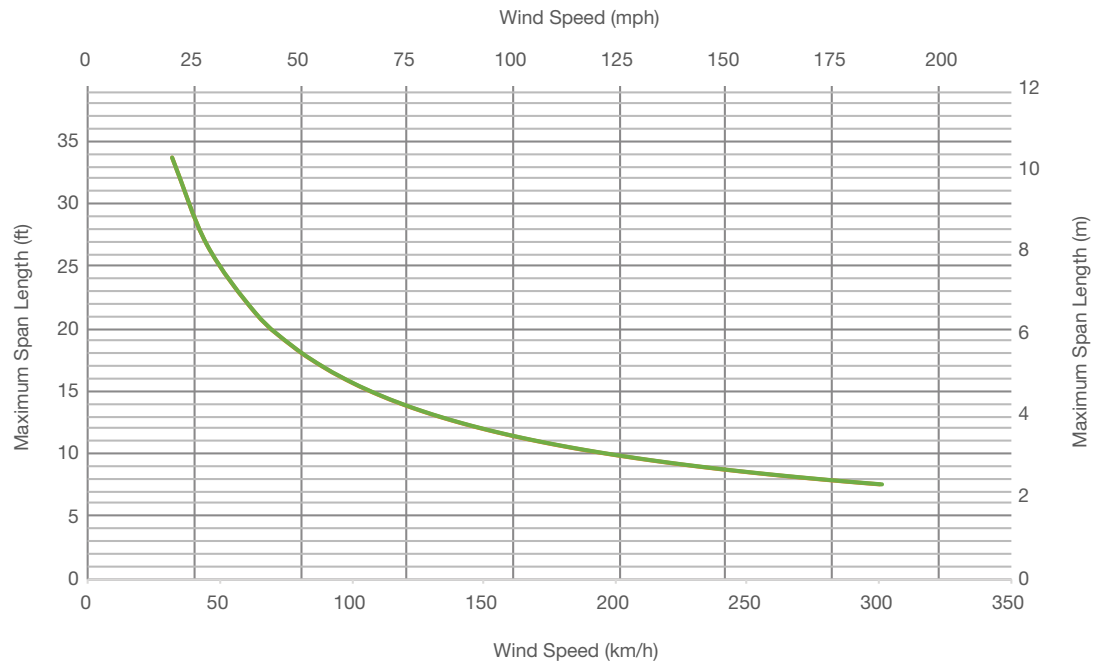


Careo 7010

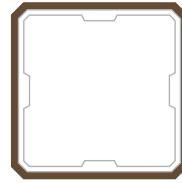
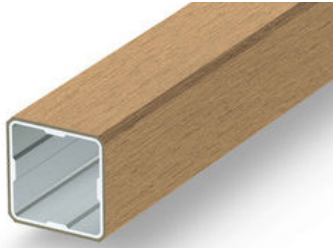


Dimensions	1 ³ / ₄ " x 1 ³ / ₄ " / 44 mm x 44 mm
Weight	0.50 lb/ft / 0.74 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind

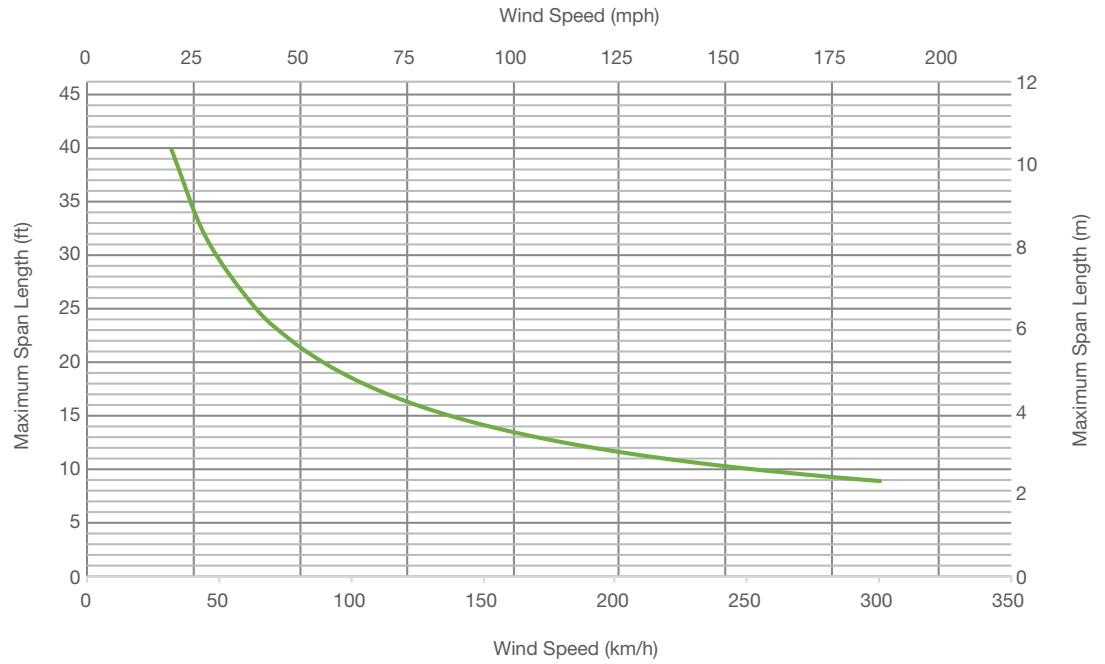
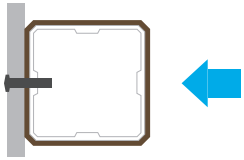


Careo 7031

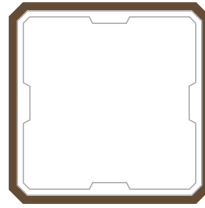


Dimensions	1 ³ / ₄ " x 1 ³ / ₄ " / 45 mm x 45 mm
Weight	0.55 lb/ft / 0.82 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind

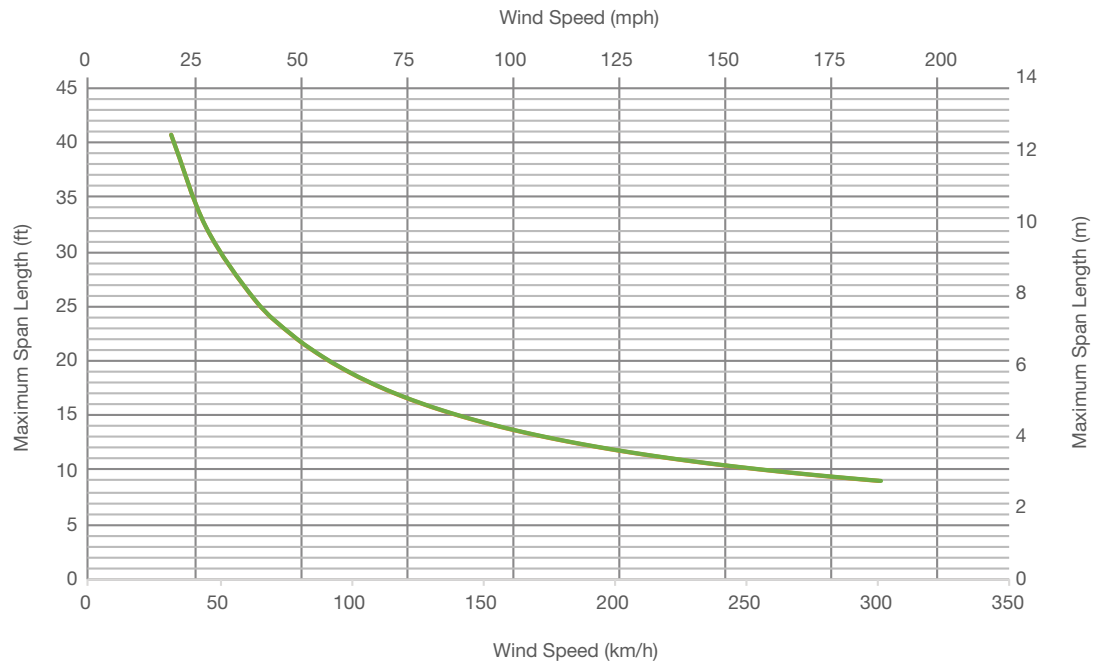
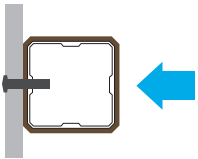


Careo 7011

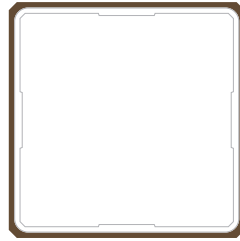


Dimensions	2 ¹ / ₈ " x 2 ¹ / ₈ " / 53 mm x 53 mm
Weight	0.90 lb/ft / 1.34 kg/ml
End Caps	No
Splices/Connectors	Yes

Span length for wind

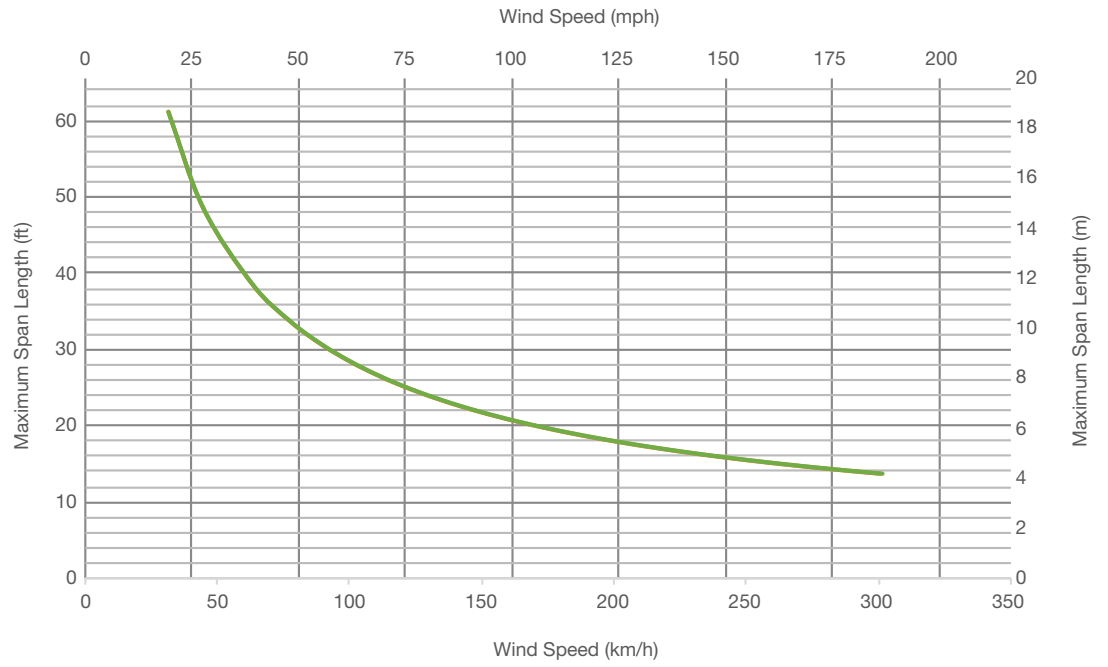
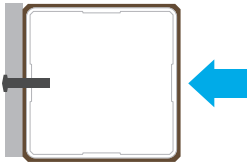


Careo 7035



Dimensions	3 ³ / ₈ " x 3 ³ / ₈ " / 87 mm x 87 mm
Weight	1.53 lb/ft / 2.28 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind

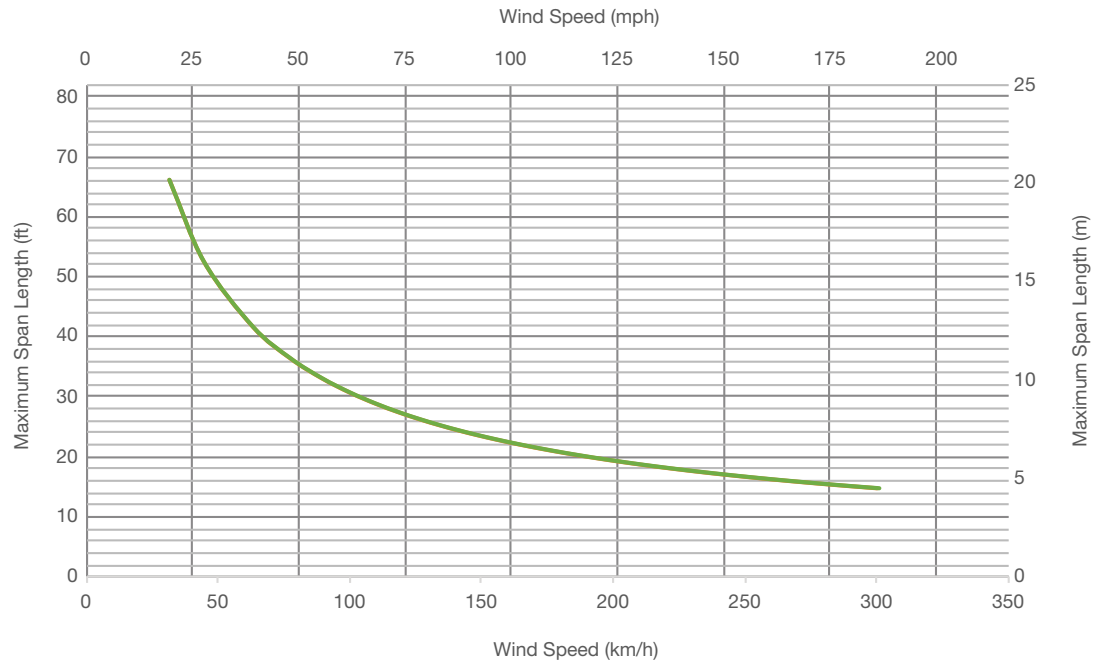
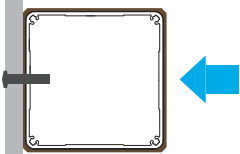


Careo 7014



Dimensions	3 1/2" x 3 1/2" / 88 mm x 88 mm
Weight	1.88 lb/ft / 2.80 kg/ml
End Caps	Yes
Splices/Connectors	No

Span length for wind

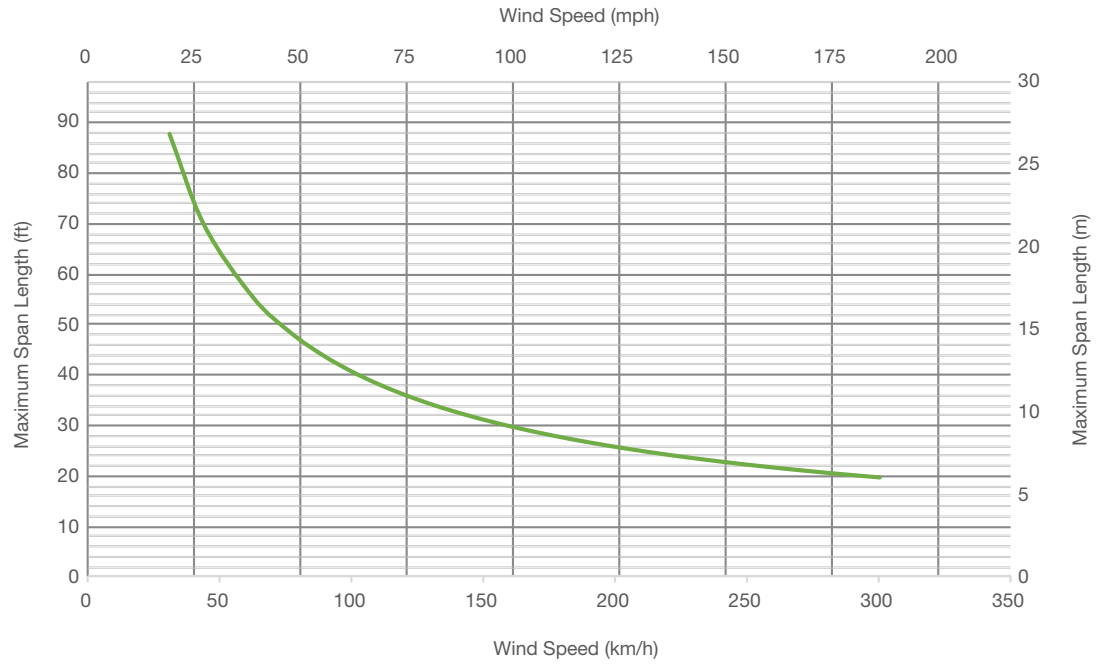
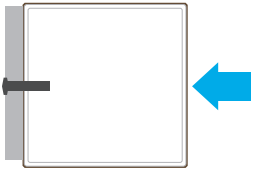


Careo 7016



Dimensions	4 ^{3/4} " x 4 ^{3/4} " / 120 mm x 120 mm
Weight	2.69 lb/ft / 4.00 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind

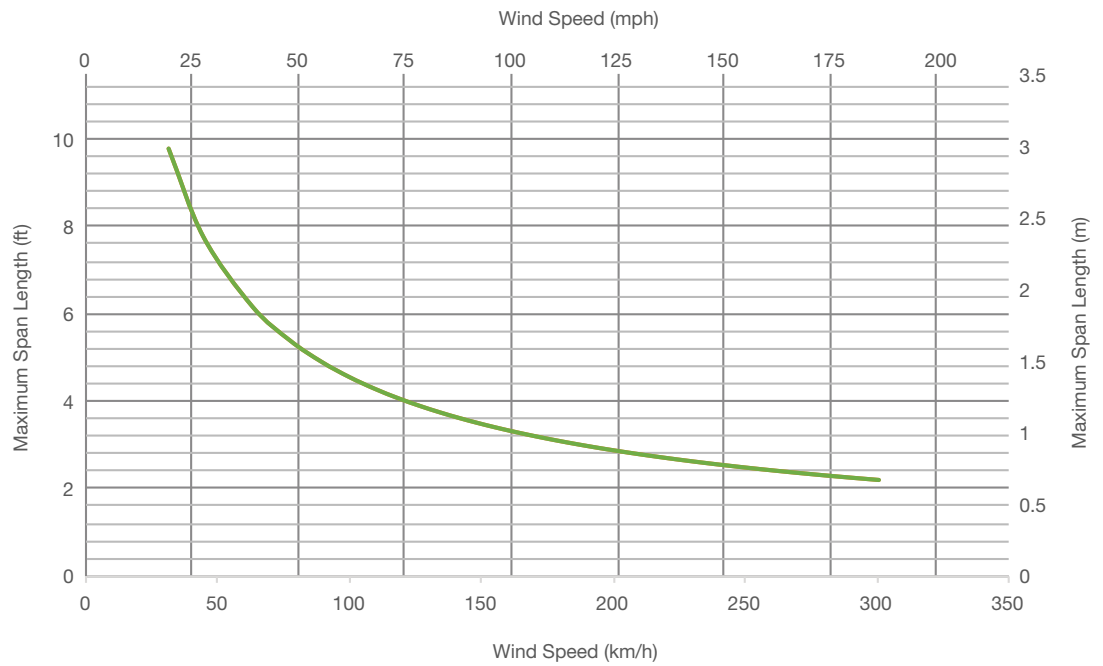
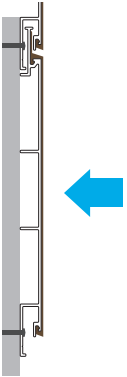


Vertigo 5010

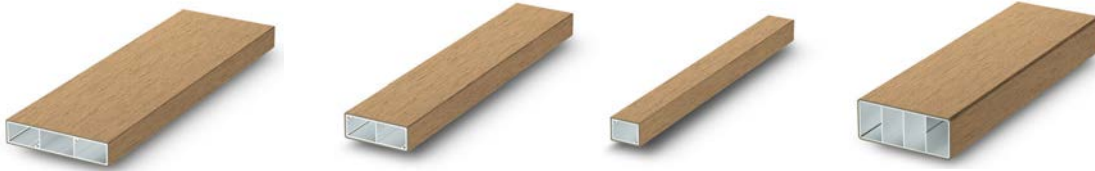


Dimensions	7 ¹ / ₄ " x 1 ¹ / ₂ " / 184 mm x 13 mm
Weight	0.80 lb/ft / 1.19 kg/ml
End Caps	No
Splices/Connectors	No

Span length for wind



Architectural Elements



SOLEO - 18 PROFILES



PLANEO - 7 PROFILES



DIAMEO - 2 PROFILE



CAREO - 6 PROFILES

Cladding/Soffit



VERTIGO - 1 PROFILE

Commercial Decking



QUALITA - 2 PROFILES

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